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# RULES COMMITTEE PRINT 117-54

# TEXT OF H.R. 7900, NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2023

**[Showing the text of H.R. 7900, as ordered reported by the Committee on Armed Services]**

**SECTION 1. SHORT TITLE.**

This Act may be cited as the ''National Defense Authorization Act for Fiscal Year 2023''.

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

(a) DIVISIONS.—This Act is organized into five 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.

(5) Division E—Non-Department of Defense Matters

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

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Sec. 3. Congressional defense committees.

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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 2023 for procurement for the Army, the Navy and the Marine Corps, the Air Force and the Space Force, and Defense-wide activities, as specified in the funding table in section 4101.

# Subtitle B—Navy Programs

**SEC. 111. REQUIREMENTS RELATING TO EA–18G AIRCRAFT OF THE NAVY.**

Section 8062 of title 10, United States Code, is amended—

(1) by redesignating subsection (f) as subsection (g); and

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

''(f)(1)(A) The Secretary of the Navy may not—

''(i) retire an EA–18G aircraft;

''(ii) prepare to retire an EA–18G aircraft;

''(iii) place an EA–18G aircraft in active storage status or inactive storage status; or

''(iv) keep an EA–18G aircraft in a status considered excess to the requirements of the possessing command and awaiting disposition instructions.

''(B) The prohibition under subparagraph (A) shall not apply to individual EA–18G aircraft that the Secretary of the Navy determines, on a case-by-case basis, to be no longer mission capable and uneconomical to repair because of aircraft accidents or mishaps.

''(2)(A) Beginning on October 1, 2022, the Secretary of the Navy shall maintain a total aircraft inventory of EA–18G aircraft of not less than 158 aircraft, of which not less than 126 aircraft shall be coded as primary mission aircraft inventory.

''(B) The Secretary of the Navy may reduce the number of EA–18G aircraft in the inventory of the Navy below the minimum number specified in subparagraph (A) if the Secretary determines on a case-by-case basis, that an aircraft is no longer mission capable and uneconomical to repair because of aircraft accidents or mishaps.

''(C) In this paragraph, the term 'primary mission aircraft inventory' means aircraft assigned to meet the primary aircraft authorization—

''(i) to a unit for the performance of its wartime mission;

''(ii) to a training unit for technical and specialized training for crew personnel or leading to aircrew qualification;

''(iii) to a test unit for testing of the aircraft or its components for purposes of research, development, test, and evaluation, operational test and evaluation, or to support testing programs; or

''(iv) to meet requirements for missions not otherwise specified in clauses (i) through (iii).''.

**SEC. 112. MULTIYEAR PROCUREMENT AUTHORITY FOR ARLEIGH BURKE CLASS DESTROYERS.**

(a) FINDINGS; SENSE OF CONGRESS.—

(1) FINDINGS.—Congress makes the following findings:

(A) The DDG Flight III destroyer is the most capable large surface combatant in the world-wide inventory of the Department of Defense.

(B) The Department plans to retire 18 large surface combatants over the next five years.

(C) Under the future-years defense plan, the Department plans to procure two DDGs per year over the next five years.

(2) SENSE OF CONGRESS.—It is the sense of Congress that—

(A) the loss of aggregate fire power due to the retirement of 18 large surface combatants over the next five years is cause for concern;

(B) the Department should continue to procure large surface combatants at the fastest possible rate based on industrial base capacity; and

(C) the Department should maximize savings and provide stability to the large surface

combatant industrial base through the use of multiyear procurement contracts for the maximum number of ships, realized at a consistent number of ships per year.

(b) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 3501 of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts for the procurement of up to 15 Arleigh Burke class Flight III guided missile destroyers.

(c) AUTHORITY FOR ADVANCE PROCUREMENT.—The Secretary of the Navy may enter into one or more contracts, beginning in fiscal year 2023, for advance procurement associated with the destroyers for which authorization to enter into a multiyear procurement contract is provided under subsection (b), and for systems and subsystems associated with such destroyers in economic order quantities when cost savings are achievable.

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (b) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2023 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(e) LIMITATION.—The Secretary of the Navy may not modify a contract entered into under subsection (b)

if the modification would increase the target price of the destroyer by more than 10 percent above the target price specified in the original contract or the destroyer under subsection (b).

**SEC. 113. AUTHORITY FOR PROCUREMENT OF ADDITIONAL ARLEIGH BURKE CLASS DESTROYER.**

(a) PROCUREMENT AUTHORITY.—The Secretary of the Navy may procure one Arleigh Burke class Flight III guided missile destroyer, in addition to any other procurement of such destroyers otherwise authorized by law, to be procured either—

(1) as an addition to the contract covering up to 15 such destroyers authorized to be procured under section 112 of this Act; or

(2) under a separate contract entered into in fiscal year 2023.

(b) INCREMENTAL FUNDING.—With respect to a contract for the procurement of the destroyer authorized under subsection (a), the Secretary of the Navy may use incremental funding to make payments under the contract.

(c) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract for the procurement of the destroyer authorized under subsection (a) shall provide that any obligation of the United States to make a payment under

the contract for a fiscal year after fiscal year 2023 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

**SEC. 114. AUTHORITY FOR CERTAIN PROCUREMENTS FOR THE SHIP-TO-SHORE CONNECTOR PROGRAM.**

(a) CONTRACT AUTHORITY.—The Secretary of the Navy may enter into one or more contracts, beginning with fiscal year 2023, for the procurement of up to 25 Ship-to-Shore Connector class craft and associated material.

(b) LIABILITY.—Any contract entered into under subsection (a) shall provide that—

(1) any obligation of the United States to make a payment under the contract is subject to the availability of appropriations for that purpose; and

(2) that total liability of the Federal Government for termination of any contract entered into shall be limited to the total amount of funding obligated to the contract at time of termination.

**SEC. 115. AUTHORITY TO PROCURE AIRFRAMES AND ENGINES FOR CH–53K KING STALLION HEAVY-LIFT HELICOPTERS.**

(a) CONTRACT AUTHORITY.—During fiscal years 2023 and 2024, the Secretary of the Navy may enter into—

(1) a single contract for the procurement of up to 30 airframes in support of the CH–53K heavy-lift helicopter program; and

(2) a single contract for the procurement of up to 90 engines in support of such program.

(b) LIABILITY.—Any contract entered into under subsection (a) shall provide that—

(1) any obligation of the United States to make a payment under the contract is subject to the availability of appropriations for that purpose; and

(2) that total liability of the Federal Government for termination of any contract entered into shall be limited to the total amount of funding obligated to the contract at time of termination.

**SEC. 116. PROHIBITION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF HSC–85 AIRCRAFT.**

(a) PROHIBITIONS.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Navy may be obligated or expended—

(1) to retire, prepare to retire, transfer, or place in storage any Helicopter Sea Combat Squadron 85 aircraft (referred to in this section as an ''HSC–85 aircraft''); or

(2) to make any changes to manning levels with respect to any HSC–85 aircraft squadron.

(b) REPORT REQUIRED.—The Secretary of the Navy, in consultation with the Commander of the United States Special Operations Command, shall submit to the congressional defense committees a report that includes—

(1) an explanation of the operational impact of divestment of HSC–85 aircraft on the training and readiness of Navy special warfare units and missions based in the west coast of the United States;

(2) the estimated costs of sustaining HSC–85 aircraft at full operational capability from fiscal year 2024 through fiscal year 2028;

(3) a proposed cost sharing arrangement between the Navy and the United States Special Operations Command for sustaining HSC–85 aircraft at full operational capabilities from fiscal year 2024 through fiscal year 2028;

(4) identification of a replacement capability that would be available if prioritized and directed by the Secretary of Defense and would meet all operational requirements, including special operational-peculiar requirements of the combatant commands, that are fulfilled by HSC–85 aircraft as of the date of the report; and

(5) an estimate of the costs and a proposed schedule for establishing the replacement capability identified in paragraph (4) over the period of five years following the date of the report.

**SEC. 117. QUARTERLY BRIEFINGS ON THE CH–53K KING STALLION HELICOPTER PROGRAM.**

(a) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, and on a quarterly basis thereafter through the end of fiscal year 2024, the Secretary of the Navy shall provide to the Committee on Armed Services of the House of Representatives a briefing on the progress of the CH–53K King Stallion helicopter program.

(b) ELEMENTS.—Each briefing under subsection (a) shall include, with respect to the CH–53K King Stallion helicopter program, the following:

(1) An overview of the program schedule.

(2) A statement of the total cost of the program as of the date of the briefing, including the cost of development, testing, and production.

(3) A comparison of the total cost of the program relative to the original acquisition program baseline and the most recently approved acquisition program baseline as of the date of the briefing.

(4) An assessment of the flight testing that remains to be conducted under the program, including any testing required for validation of correction of technical deficiencies.

(5) An update on the status of the correction of technical deficiencies under the program and any effects on the program schedule resulting from the discovery and correction of such deficiencies.

(c) CONFORMING REPEAL.—Section 132 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1238) is repealed.

# Subtitle C—Air Force Programs

**SEC. 121. MODIFICATION OF INVENTORY REQUIREMENTS FOR AIRCRAFT OF THE COMBAT AIR FORCES.**

(a) TOTAL FIGHTER AIRCRAFT INVENTORY REQUIREMENTS.—Section 9062(i)(1) of title 10, United States Code, is amended by striking ''1,970'' and inserting ''1,800''.

(b) A–10 MINIMUM INVENTORY REQUIREMENTS.—

(1) Section 134(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2038) is amended by striking ''171'' and inserting ''153''.

(2) Section 142(b)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law

114–92; 129 Stat. 755 ) is amended by striking ''171'' and inserting ''153''.

(c) MODIFICATION OF LIMITATION ON AVAILABILITY OF FUNDS FOR DESTRUCTION OF A–10 AIRCRAFT IN STORAGE STATUS.—Section 135(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2039) is amended by striking ''the report required under section 134(e)(2)'' and inserting ''a report that includes the information described in section 134(e)(2)(C)''.

**SEC. 122. MODIFICATION OF MINIMUM INVENTORY REQUIREMENT FOR AIR REFUELING TANKER AIRCRAFT.**

(a) MINIMUM INVENTORY REQUIREMENT.—

(1) IN GENERAL.—Section 9062(j) of title 10, United States Code, is amended—

(A) by striking ''effective October 1, 2019,''; and

(B) by striking ''479'' each place it appears and inserting ''466''.

(2) EFFECTIVE DATE.—The amendments made by paragraph (1) shall take effect on October 1, 2022.

(b) PROHIBITION ON REDUCTION OF KC–135 AIRCRAFT IN PMAI OF THE RESERVE COMPONENTS.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Air Force may be obligated or expended to reduce the number of KC–135 aircraft designated as primary mission aircraft inventory within the reserve components of the Air Force.

(2) PRIMARY MISSION AIRCRAFT INVENTORY DEFINED.—In this subsection, the term ''primary mission aircraft inventory'' has the meaning given that term in section 9062(i)(2)(B) of title 10, United States Code.

**SEC. 123. REQUIREMENTS RELATING TO F–22 AIRCRAFT.**

Section 9062 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(k)(1)(A) The Secretary of the Air Force may not—

''(i) retire an F–22 aircraft;

''(ii) prepare to retire an F–22 aircraft; or

''(iii) keep an F–22 aircraft in a status considered excess to the requirements of the possessing command and awaiting disposition instructions (commonly referred to as 'XJ' status).

''(B) The prohibition under subparagraph (A) shall not apply to individual F–22 aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable and uneconomical to repair because of aircraft accidents or mishaps.

''(2)(A) Beginning on October 1, 2022, the Secretary of the Air Force shall maintain a total aircraft inventory of F–22 aircraft of not less than 186 aircraft.

''(B) The Secretary of the Air Force may reduce the number of F–22 aircraft in the inventory of the Air Force below the minimum number specified in subparagraph (A) if the Secretary determines on a case-by-case basis, that an aircraft is no longer mission capable and uneconomical to repair because of aircraft accidents or mishaps.

''(3) Not later than October 1, 2029, the Secretary of the Air Force shall ensure that all F–22 aircraft of the Air Force are equipped with—

''(A) Block 30/35 mission systems, sensors, and weapon employment capabilities; or

''(B) mission systems, sensors, and weapon employment capabilities more advanced than those described in subparagraph (A).''.

**SEC. 124. MODIFICATION OF INVENTORY REQUIREMENTS AND LIMITATIONS RELATING TO CERTAIN AIR REFUELING TANKER AIRCRAFT.**

Section 137 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1576) is amended—

(1) by striking subsection (b); and

(2) by redesignating subsections (c) and (d) as subsections (b) and (c), respectively.

**SEC. 125. REPEAL OF AIR FORCE E–8C FORCE PRESENTATION REQUIREMENT.**

Section 147 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1669) is amended by striking subsection (f).

**SEC. 126. MINIMUM INVENTORY OF C–130 AIRCRAFT.**

(a) MINIMUM INVENTORY REQUIREMENT.—

(1) IN GENERAL.—During the covered period, the Secretary of the Air Force shall maintain a total inventory of C–130 aircraft of not less than 271 aircraft.

(2) EXCEPTION .—The Secretary of the Air Force may reduce the number of C–130 aircraft in the Air Force below the minimum number specified in subsection (a) if the Secretary determines, on a

case-by-case basis, that an aircraft is no longer mission capable because of a mishap or other damage.

(3) COVERED PERIOD DEFINED.—In this subsection, the term ''covered period'' means the period—

(A) beginning at the close of the period described in section 138(c) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1577); and

(B) ending on October 1, 2028.

(b) PROHIBITION ON REDUCTION OF C–130 AIRCRAFT ASSIGNED TO NATIONAL GUARD.—

(1) IN GENERAL.—During fiscal year 2023, the Secretary of the Air Force may not reduce the total number of C–130 aircraft assigned to the National Guard below the number so assigned as of the date of the enactment of this Act.

(2) EXCEPTION.—The prohibition under paragraph (1) shall not apply to an individual C–130 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.

**SEC. 127. AUTHORITY TO PROCURE UPGRADED EJECTION SEATS FOR CERTAIN T–38A AIRCRAFT.**

The Secretary of the Air Force is authorized to procure upgraded ejection seats for—

(1) all T–38A aircraft of the Air Force Global Strike Command that have not received an upgraded ejection seat under the T–38 Ejection Seat Upgrade Program; and

(2) all T–38A aircraft of the Air Combat Command that have not received an upgraded ejection seat as part of such Program.

**SEC. 128. PROHIBITION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF C–40 AIRCRAFT.**

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 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 C–40 aircraft.

(b) EXCEPTION.—

(1) IN GENERAL.—The limitation under subsection (a) shall not apply to an individual C–40 aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable because of a Class A mishap.

(2) CERTIFICATION REQUIRED.—If the Secretary determines under paragraph (1) that an air-

craft is no longer mission capable, the Secretary shall submit to the congressional defense committees a certification that the status of such aircraft is due to a Class A mishap and not due to lack of maintenance or repairs or other reasons.

**SEC. 129. PROHIBITION ON AVAILABILITY OF FUNDS FOR PROCUREMENT OF BRIDGE TANKER AIRCRAFT.**

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Air Force may be obligated or expended to enter into a contract for the procurement of the bridge tanker aircraft (as defined in section 136(b) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81)) unless such contract is awarded using full and open competition. Notwithstanding the preceding sentence, the Secretary of the Air Force may enter into a contract for the procurement of the bridge tanker aircraft using procedures other than full and open competition if the Secretary complies with the requirements of section 3204 of title 10, United States Code, with respect to the award of such contract and provides to the Committee on Armed Services of the House of Representatives a briefing that explains the reasons such contract cannot be awarded using full and open competition.

**SEC. 130. PROHIBITION ON AVAILABILITY OF FUNDS FOR TERMINATION OF PRODUCTION LINES FOR HH–60W AIRCRAFT.**

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Air Force may be obligated or expended to terminate the operations of, or to prepare to terminate the operations of, a production line for HH–60W Combat Rescue Helicopters.

**SEC. 131. PROHIBITION ON CERTAIN REDUCTIONS TO B–1 BOMBER AIRCRAFT SQUADRONS.**

(a) PROHIBITION.—During the covered period, the Secretary of the Air Force may not—

(1) modify the designed operational capability statement for any B–1 bomber aircraft squadron, as in effect on the date of the enactment of this Act, in a manner that would reduce the capabilities of such a squadron below the levels specified in such statement as in effect on such date; or

(2) reduce, below the levels in effect on such date of enactment, the number of personnel assigned to units responsible for the operation and maintenance of B–1 aircraft if such reduction would affect the ability of such units to meet the capability described in paragraph (1).

(b) EXCEPTION.—The prohibition under subsection (a) shall not apply to a bomb wing for which the Secretary of the Air Force has commenced the process of replacing B–1 bomber aircraft with B–21 bomber aircraft.

(c) DEFINITIONS.—In this section:

(1) The term ''covered period'' means the period beginning on the date of the enactment of this Act and ending on September 30, 2026.

(2) The term ''designed operational capability statement'' has the meaning given that term in Air Force Instruction 10–201.

(d) CONFORMING REPEAL.—Section 133 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1574) is repealed.

**SEC. 132. LIMITATION ON RETIREMENT OF E–3 AIRBORNE WARNING AND CONTROL SYSTEM AIRCRAFT.**

(a) LIMITATION.—

(1) IN GENERAL.—Secretary of the Air Force may not retire or prepare to retire more than a total of 13 E–3 Airborne Warning and Control System aircraft.

(2) RETIREMENT CONDITIONS.—Of the aircraft authorized to be retired under paragraph (1)—

(A) up to eight aircraft may be retired at any time during the period beginning on the

date of the enactment of this Act and ending on October 1, 2023; and

(B) up to five aircraft may be retired only after the Secretary of the Air Force enters into a contract for the procurement of an E–7 aircraft.

(b) DESIGNATION AS PTAI.—The Secretary of the Air Force shall designate two E–3 aircraft as Primary Training Aircraft Inventory.

(c) REPORT REQUIRED.—

(1) IN GENERAL.—The Secretary of the Air Force shall submit to the congressional defense committees a report on the airborne warning and control capabilities and capacity of the Air Force.

(2) ELEMENTS.—The report under subsection (a) shall include the following:

(A) An assessment of—

(i) the airborne warning and control capabilities and capacity of the Air Force as of the date of the report; and

(ii) the airborne warning and control capabilities and capacity needed to meet the future requirements of the Air Force.

(B) Identification of—

(i) air moving target indicator and battle management and command and control requirements as of the date of the report;

(ii) the number of such requirements being fulfilled by the current fleet of 31 E–3 aircraft or other capabilities; and

(iii) the number of such requirements that would be fulfilled by a reduced fleet of 16 E–3 aircraft.

(C) An assessment of whether and to what extent a reduced fleet of 16 E–3 aircraft would affect the level of support provided to the operations of the geographic combatant commands.

(D) A comparison of the capabilities of the E–3 aircraft with the capabilities of the E–7 aircraft that is proposed as a replacement for the E–3 aircraft.

(E) A comparison of the capacity required to satisfy both current and future air moving target indicator and battle management and command and control requirements.

(F) An acquisition strategy for the E–7 aircraft proposed as a replacement for the E–3 aircraft that is—

(i) approved by the Secretary of the Air Force; and

(ii) includes cost and schedule data, plans for training and fielding, and an assessment of possible courses of action to accelerate the proposed acquisition.

**SEC. 133. REQUIREMENTS STUDY AND ACQUISITION STRATEGY FOR THE COMBAT SEARCH AND RESCUE MISSION OF THE AIR FORCE.**

(a) REQUIREMENTS STUDY.—

(1) IN GENERAL.—The Secretary of the Air Force shall conduct a study to determine the requirements for the combat search and rescue mission of the Air Force in support of the objectives of the National Defense Strategy.

(2) ELEMENTS.—The study under paragraph (1) shall include the following:

(A) Identification of anticipated combat search and rescue mission requirements necessary to meet the objectives of the most recent National Defense Strategy, including—

(i) requirements for short-term, mid-term, and long-term contingency and steady-state operations against adversaries;

(ii) requirements under the Agile Combat Employment operational scheme of the Air Force;

(iii) requirements relating to regions and specific geographic areas that are expected to have a need for combat search and rescue forces based on the combat-relevant range and penetration capability of United States air assets and associated weapon systems; and

(iv) the level of operational risk associated with each likely requirement and scenario.

(B) An assessment of the rotary, tilt, and fixed wing aircraft and key combat search and rescue enabling capabilities that—

(i) are needed to meet the requirements identified under subparagraph (A); and

(ii) have been accounted for in the budget of the Air Force as of the date of the study.

(C) Identification of any combat search and rescue capability gaps, including an assessment of—

(i) whether and to what extent such gaps may affect the ability of the Air Force to conduct combat search and rescue operations;

(ii) any capability gaps that may be created by procuring fewer HH–60W aircraft than planned under the program of record, including any expected changes to the plan for fielding such aircraft for active, reserve, and National Guard units; and

(iii) any capability gaps attributable to unfunded requirements.

(D) Identification and assessment of key current, emerging, and future technologies with potential application to the combat search and rescue mission, including electric vertical takeoff and landing, unmanned aerial systems, armed air launched effects or similar armed capabilities, or a combination of such technologies.

(E) An assessment of each technology identified under subparagraph (D), including (as applicable) an assessment of—

(i) technology maturity;

(ii) suitability to the combat search and rescue mission;

(iii) range;

(iv) speed;

(v) payload capability and capacity;

(vi) radio frequency and infrared signatures;

(vii) operational conditions required for the use of such technology, such as runway availability;

(viii) survivability;

(ix) lethality;

(x) potential to support combat missions other than combat search and rescue; and

(xi) estimated cost.

(3) SUBMITTAL TO CONGRESS.—

(A) IN GENERAL.—Not later than March 30, 2023, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the results of the study under paragraph (1).

(B) FORM.—The report required under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(b) ACQUISITION STRATEGY.—

(1) IN GENERAL.—Based on the results of the study conducted under subsection (a), the Secretary of the Air Force shall develop a strategy for the acquisition of capabilities to meet the requirements identified under such study.

(2) ELEMENTS.—The acquisition strategy under paragraph (1) shall include—

(A) A prioritized list of the capabilities needed to meet the requirements identified under subsection (a).

(B) The estimated costs of such capabilities, including—

(i) any amounts already budgeted for such capabilities as of the date of the strategy, including amounts already budgeted for emerging and future technologies; and

(ii) any amounts not already budgeted for such capabilities as of such date.

(C) An estimate of the date by which the capability is expected to become operational.

(D) A description of any requirements identified under subsection (a) that the Secretary of the Air Force does not expect to meet as part of the acquisition strategy and an explanation of the reasons such requirements cannot be met.

(3) SUBMITTAL TO CONGRESS.—

(A) IN GENERAL.—Not later than June 1, 2023, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the acquisition strategy developed under paragraph (1).

(B) FORM.—The report required under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

**SEC. 134. PLAN FOR TRANSFER OF KC–135 AIRCRAFT TO THE AIR NATIONAL GUARD.**

(a) PLAN REQUIRED.—The Secretary of the Air Force shall develop a plan to transfer covered KC–135 aircraft to air refueling wings of the Air National Guard that are classic associations with active duty units of the Air Force.

(b) BRIEFING.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the

Air Force shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on plan developed under subsection (a). The briefing shall include an explanation of the effects the plan is expected to have on the aerial refueling capability of the Department of Defense.

(c) DEFINITIONS.—In this section:

(1) The term ''covered KC–135 aircraft'' means a KC–135 aircraft that the Secretary of the Air Force is in the process of replacing with a KC–46A aircraft.

(2) The term ''classic association'' means a structure under which a regular Air Force unit retains principal responsibility for an aircraft and shares the aircraft with one or more reserve component units.

**SEC. 135. ANNUAL REPORT ON T–7A ADVANCED PILOT TRAINING SYSTEM.**

(a) ANNUAL REPORT.—Not later than March 1, 2023, and annually thereafter for 5 years, the Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the acquisition efforts of the Department of Defense with respect to the T–7A Advanced Pilot Train-

ing System (including any associated aircraft and ground training systems).

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

(1) An overview of the Assistant Secretary's acquisition strategy for the T–7 Advanced Pilot Training System, including the current status of the acquisition strategy as of the date of the report.

(2) The cost and schedule estimates for the program.

(3) In the case of the initial report under this section, the key performance parameters or the equivalent requirements for the program. In the case of subsequent reports, any key performance parameters or the equivalent requirements for the program that have changed since the submission of the previous report under this section.

(4) The test and evaluation strategy and execution date of the testing program, including any results, and a summary of testing points closed pertaining to the testing program.

(5) The logistics and sustainment strategy of the program, and the planning, execution, and implementation that has occurred related to that strategy as of the date of the report.

(6) An explanation of the causes related to any engineering, manufacturing, development, testing, production, delivery, acceptance, and fielding delays incurred by the program as of the date of the report and any associated impacts and subsequent efforts to address such delays.

(7) The post-production fielding strategy for the program.

(8) Any other matters regarding the acquisition of the T–7 Advanced Pilot Training System that the Assistant Secretary determines to be of critical importance to the long-term viability of the program.

**SEC. 136. REPORT ON F–22 AIRCRAFT FORCE LAYDOWN.**

Not later than April 30, 2023, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on—

(1) the proposed plan of the Air Force for the movement and basing of 186 F–22 aircraft; and

(2) the establishment of a new F–22 formal training unit, including—

(A) the anticipated location of such unit;

(B) the anticipated schedule for the establishment of such unit; and

(C) the number of aircraft that are expected to be transferred to such unit.

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

## SEC. 141. CHARGING STATIONS AT COMMISSARY STORES AND MILITARY EXCHANGES.

(a) IN GENERAL.—Subchapter I of chapter 147 of title 10, United States Code, is amended by adding at the end the following new section:

**"§ 2486. Electric vehicle charging stations at commissary stores and military exchanges**

''(a) AUTHORITY.—The Secretary of Defense may furnish electric vehicle charging stations at a commissary store or military exchange for commercial use by individuals authorized to access such facilities.

''(b) RATES AND PROCEDURES.—If the Secretary of Defense furnishes electric vehicle charging stations pursuant to subsection (a)—

''(1) the Secretary shall establish rates and procedures that the Secretary determines appropriate for the purchase of electric power from the charging stations; and

''(2) such charging stations may be installed and operated by a contractor on a for-profit basis.

''(c) INTEROPERABILITY.—Any vehicle charging station provided under this section shall use a charging connector type (or other means to transmit electricity to the vehicle) that—

''(1) meets applicable industry accepted standards for interoperability and safety; and

''(2) is compatible with—

''(A) electric vehicles commonly available for purchase by a member of the general public; and

''(B) covered nontactical vehicles.

''(b) COVERED NONTACTICAL VEHICLE DEFINED.—In this section, the term 'covered nontactical vehicle' means any vehicle—

''(1) that is not a tactical vehicle designed for use in combat; and

''(2) that is purchased or leased by the Department of Defense, or by another department or agency of the Federal Government for the use of the Department of Defense, pursuant to a contract entered into, renewed, modified, or amended on or after October 1, 2022.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by adding at the end the following new item:

''2486. Electric vehicle charging stations at commissary stores and military exchanges.''.

**SEC. 142. INCREASE AIR FORCE AND NAVY USE OF USED COMMERCIAL DUAL-USE PARTS IN CERTAIN AIRCRAFT AND ENGINES.**

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force, with respect to the Air Force, and the Secretary of the Navy, with respect to the Navy, shall develop and implement processes and procedures for—

(1) the acquisition of used, overhauled, reconditioned, and remanufactured commercial dual-use parts; and

(2) the use of such commercial-dual use parts in all—

(A) commercial derivative aircraft and engines; and

(B) aircraft used by the Air Force or Navy that are based on the design of commercial products.

(b) PROCUREMENT OF PARTS.—The processes and procedures implemented under subsection (a) shall provide that commercial dual-use parts shall be acquired—

(1) pursuant to competitive procedures (as defined in section 3012 of title 10, United States Code); and

(2) only from suppliers that provide parts that possess an Authorized Release Certificate Federal Aviation Administration Form 8130-3 Airworthy Approval Tag from a certified repair station pursuant to part 145 of title 14, Code of Federal Regulations.

(c) DEFINITIONS.—In this section:

(1) COMMERCIAL DERIVATIVE.—The term ''commercial derivative'' means an item procured by the Department of Defense that is or was produced using the same or similar production facilities, a common supply chain, and the same or similar production processes that are used for the production of the item as predominantly used by the general public or by nongovernmental entities for purposes other than governmental purposes.

(2) COMMERCIAL DUAL-USE PARTS.—The term ''commercial dual-use parts'' means a product that is—

(A) a commercial product;

(B) dual-use;

(C) described in subsection (b)(2); and

(D) not a life limited part.

(3) COMMERCIAL PRODUCT.—The term ''commercial product'' has the meaning given such term in section 103 of title 41, United States Code.

(4) DUAL-USE.—The term ''dual-use'' has the meaning given such term in section 4801 of title 10, United States Code.

**SEC. 143. ASSESSMENT AND REPORT ON MILITARY ROTARY WING AIRCRAFT INDUSTRIAL BASE.**

(a) ASSESSMENT REQUIRED.—The Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Secretaries of the Army, Navy, and Air Force, shall conduct an assessment of the military rotary wing aircraft industrial base.

(b) ELEMENTS.—The assessment under subsection (a) shall include the following:

(1)(A) Identification of each rotary wing aircraft program of the Department of Defense that is in the research and development or procurement phase.

(B) A description of any platform-specific or capability-specific facility or workforce technical skill requirements necessary for each program identified under subparagraph (A).

(2) Identification of—

(A) the rotary wing aircraft capabilities of each Armed Force anticipated for programming beyond the period covered by the most recent future-years defense program submitted to Congress under section 221 of title 10, United States Code (as of the date of the assessment); and

(B) the technologies, facilities, and workforce skills necessary for the development of such capabilities.

(3) An assessment of the military industrial base capacity and skills that are available (as of the date of the assessment) to design and manufacture the platforms and capabilities identified under paragraphs (1) and (2) and a list of any gaps in such capacity and skills.

(4)(A) Identification of each component, subcomponent, or equipment supplier in the military rotary wing aircraft industrial base that is the sole source within such industrial base from which that component, subcomponent, or equipment may be obtained.

(B) An assessment of any risk resulting from the lack of other suppliers for such components, subcomponents, or equipment.

(5) Analysis of the likelihood of future consolidation, contraction, or expansion, within the rotary wing aircraft industrial base, including—

(A) identification of the most probable scenarios with respect to such consolidation, contraction, or expansion; and

(B) an assessment of how each such scenario may affect the ability of the Armed Forces to acquire military rotary wing aircraft in the future, including any effects on the cost and schedule of such acquisitions.

(6) Such other matters the Under Secretary of Defense for Acquisition and Sustainment determines appropriate.

(c) REPORT.—

(1) IN GENERAL.—Concurrently with the submission of the next annual report required to be submitted under section 4814 of title 10, United States Code, 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 of the assessment conducted under subsection (a); and

(B) based on such results, recommendations for reducing any risks identified with respect to the military rotary wing aircraft industrial base.

(2) FORM.—The report required under paragraph (1) may be submitted as an appendix to the annual report required to be submitted under section 4814 of title 10, United States Code.

(d) ROTARY WING AIRCRAFT DEFINED.—In this section, the term ''rotary wing aircraft'' includes rotary wing and tiltrotor aircraft.

# 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 2023 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. CLARIFICATION OF ROLE OF SENIOR OFFICIAL WITH PRINCIPAL RESPONSIBILITY FOR ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING.

(a) JOINT ARTIFICIAL INTELLIGENCE RESEARCH AND DEVELOPMENT ACTIVITIES.—Section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061) is amended—

(1) by amending subsection (c) to read as follows:

''(c) ORGANIZATION AND ROLES.—

''(1) IN GENERAL.—In addition to designating an official under subsection (b), the Secretary of Defense shall assign to appropriate officials within the Department of Defense roles and responsibilities relating to the research, development, prototyping, testing, procurement of, requirements for, and operational use of artificial intelligence technologies.

''(2) APPROPRIATE OFFICIALS.—The officials assigned roles and responsibilities under paragraph (1) shall include—

''(A) the Under Secretary of Defense for Research and Engineering;

''(B) the Under Secretary of Defense for Acquisition and Sustainment;

''(C) one or more officials in each military department;

''(D) officials of appropriate Defense Agencies; and

''(E) such other officials as the Secretary of Defense determines appropriate.'';

(2) in subsection (e) in the second sentence, by striking ''Director of the Joint Artificial Intelligence Center'' and inserting ''the official designated under subsection (b)''; and

(3) by striking subsection (h).

(b) PERSONNEL MANAGEMENT AUTHORITY TO ATTRACT EXPERTS IN SCIENCE AND ENGINEERING.—Section 4092 of title 10, United States Code, is amended—

(1) by amending paragraph (6) of subsection (a) to read as follows:

''(6) JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DEVELOPMENT, AND TRANSITION ACTIVITIES.—The official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub-

lic Law 115–232) shall carry out a program of personnel management authority provided in subsection (b) of this section in order to facilitate recruitment of eminent experts in science or engineering to support the activities of such official under such section 238.''.

(2) in subsection (b)(1)(F)—

(A) by striking ''Joint Artificial Intelligence Center'' and inserting ''official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232)''; and

(B) by striking ''in the Center'' and inserting ''in support of the activities of such official under such section''; and

(3) in subsection (c)(2), by striking ''the Joint Artificial Intelligence Center'' and inserting ''the activities under section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232)''.

(c) REVIEW OF ARTIFICIAL INTELLIGENCE APPLICATIONS AND ESTABLISHMENT OF PERFORMANCE METRICS.—Section 226(b) of the National Defense Au-

thorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 4001 note) is amended—

(1) in paragraph (3), by inserting ''or the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)'' after ''Director of the Joint Artificial Intelligence Center'';

(2) in paragraph (4), by inserting ''or the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)'' after ''Director of the Joint Artificial Intelligence Center''; and

(3) in paragraph (5), by inserting ''or the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)'' after ''Director of the Joint Artificial Intelligence Center''.

(d) MODIFICATION OF THE JOINT COMMON FOUNDATION PROGRAM.—Section 227(a) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 4001 note) is amended by striking ''Joint Artificial Intelligence Center'' and inserting ''the office of

the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)''.

(e) PILOT PROGRAM ON DATA REPOSITORIES TO FACILITATE THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE CAPABILITIES FOR THE DEPARTMENT OF DEFENSE.—Section 232 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 4001 note) is amended—

(1) in the section heading, by striking ''**PILOT PROGRAM ON DATA REPOSITORIES**'' and inserting ''**DATA REPOSITORIES**'';

(2) by amending subsection (a) to read as follows:

''(a) ESTABLISHMENT OF DATA REPOSITORIES.—The Secretary of Defense, acting through the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061) (and such other officials as the Secretary determines appropriate), shall—

''(1) establish data repositories containing Department of Defense data sets relevant to the devel-

opment of artificial intelligence software and technology; and

''(2) allow appropriate public and private sector organizations to access such data repositories for the purpose of developing improved artificial intelligence and machine learning software capabilities that may, as determined appropriate by the Secretary, be procured by the Department to satisfy Department requirements and technology development goals.'';

(3) in subsection (b), by striking ''If the Secretary of Defense carries out the pilot program under subsection (a), the data repositories established under the program'' and inserting ''The data repositories established under subsection (a)''; and

(4) by amending subsection (c) to read as follows:

''(c) BRIEFING.—Not later than July 1, 2023, the Secretary of Defense shall provide to the congressional defense committees a briefing on—

''(1) the types of information the Secretary determines are feasible and advisable to include in the data repositories established under subsection (a); and

''(2) the progress of the Secretary in establishing such data repositories.''.

(f) DIGITAL DEVELOPMENT INFRASTRUCTURE PLAN AND WORKING GROUP.—Section 1531(d)(2)(C) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 2051) is amended by striking ''The Joint Artificial Intelligence Center (JAIC)'' and inserting ''The office of the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)''.

(g) APPLICATION OF ARTIFICIAL INTELLIGENCE TO THE DEFENSE REFORM PILLAR OF THE NATIONAL DEFENSE STRATEGY.—Section 234(b) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 113) is amended by striking ''Director of the Joint Artificial Intelligence Center'' and inserting ''official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)''.

(h) PILOT PROGRAM ON THE USE OF ELECTRONIC PORTFOLIOS TO EVALUATE CERTAIN APPLICANTS FOR TECHNICAL POSITIONS.—Section 247(c) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. note prec. 1580) is amended—

(1) in paragraph (1), by striking ''the Joint Artificial Intelligence Center'' and inserting ''the office of the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061)'';

(2) by striking paragraph (2); and

(3) by redesignating paragraphs (3) and (4) as paragraphs (2) and (3), respectively.

(i) ACQUISITION AUTHORITY OF THE DIRECTOR OF THE JOINT ARTIFICIAL INTELLIGENCE CENTER.—Section 808 the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 4001 note) is amended—

(1) in the section heading, by striking ''**THE DIRECTOR OF THE JOINT ARTIFICIAL INTELLIGENCE CENTER**'' and inserting ''**THE SENIOR OFFICIAL WITH PRINCIPAL RESPONSIBILITY FOR ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**'';

(2) in subsection (a)—

(A) by striking ''the Director of the Joint Artificial Intelligence Center'' and inserting ''the official designated under subsection (b) of section 238 of the John S. McCain National

Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061) (referred to in this section as the 'Official')''; and

(B) by striking ''the Center'' and inserting ''the office of such official (referred to in this section as the 'Office')'';

(3) in subsection (b)—

(A) in the subsection heading, by striking ''JAIC'';

(B) in paragraph (1)—

(i) in the matter preceding subparagraph (A),

(I) by striking ''staff of the Director'' and inserting ''staff of the Official''; and

(II) by striking ''the Director of the Center'' and inserting ''such Official'';

(ii) in subparagraph (A), by striking ''the Center'' and inserting ''the Office'';

(iii) in subparagraph (B), by striking ''the Center'' and inserting ''the Office'';

(iv) in subparagraph (C), by striking ''the Center'' each place it appears and inserting ''the Office''; and

(v) in subparagraph (D), by striking ''the Center'' each place it appears and inserting ''the Office'';

(C) in paragraph (2)—

(i) by striking ''the Center'' and inserting ''the Office''; and

(ii) by striking ''the Director'' and inserting ''the Official'';

(4) in subsection (c)(1)—

(A) by striking ''the Center'' and inserting ''the Office''; and

(B) by striking ''the Director'' and inserting ''the Official'';

(5) in subsection (d), by striking ''the Director'' and inserting ''the Official'';

(6) in subsection (e)—

(A) in paragraph (2)—

(i) in subparagraph (B), by striking ''Center missions'' and inserting ''the missions of the Office''; and

(ii) in subparagrpah (D), by striking ''the Center'' and inserting ''the Office''; and

(B) in paragraph (3), by striking ''the Center'' and inserting ''the Office'';

(7) in subsection (f), by striking ''the Director'' and inserting ''the Official''; and

(8) in subsection (g)—

(A) by striking paragraphs (1) and (3); and

(B) by redesignating paragraphs (4) and (5) as paragraphs (1) and (2), respectively.

(j) BIANNUAL REPORT.—Section 260 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1293) is amended—

(1) in the section heading, by striking ''**JOINT ARTIFICIAL INTELLIGENCE CENTER**'' and inserting ''**OFFICE OF THE SENIOR OFFICIAL WITH PRINCIPAL RESPONSIBILITY FOR ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**'';

(2) in subsection (a)—

(A) by striking ''2023'' and inserting ''2026''; and

(B) by striking ''the Joint Artificial Intelligence Center (referred to in this section as the

'Center')'' and inserting ''the office of the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061) (referred to in this section as the 'Office')'';

(3) in subsection (b)—

(A) by striking ''Center'' each place it appears and inserting ''Office'';

(B) in paragraph (2), by striking ''the National Mission Initiatives, Component Mission Initiatives, and any other initiatives'' and inserting ''any initiatives''; and

(C) in paragraph (7), by striking ''the Center's investments in the National Mission Initiatives and Component Mission Initiatives'' and inserting ''the Office's investments in its initiatives and other activities''; and

(4) by striking subsection (c).

(k) REPORTING RESPONSIBILITY.—Section 903(b) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 2223 note) is amended—

(1) by striking paragraph (3); and

(2) by redesignating paragraph (4) as paragraph (3).

(l) REFERENCES IN EXISTING LAW.—Any reference in any law, regulation, guidance, instruction, or other document of the Federal Government to the Director of the Joint Artificial Intelligence Center of the Department of Defense or to the Joint Artificial Intelligence Center shall be deemed to refer to the official designated under section 238(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061) or the office of such official, as the case may be.

**SEC. 212. ROLE OF THE CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER IN FOSTERING INTEROPERABILITY AMONG JOINT FORCE SYSTEMS.**

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Director of National Intelligence, shall direct the Chief Digital and Artificial Intelligence Officer of the Department of Defense to carry out the activities described in subsection (b) in support of the Joint All Domain Command and Control strategy and the Joint Warfighting Concept of the Department.

(b) ACTIVITIES DESCRIBED.—The activities described in this subsection are the following:

(1) To solicit feedback from the combatant commands and the Joint Staff to identify operational challenges that—

(A) are attributable to a lack of interoperability between the warfighting systems and other technology, including software and data, of such commands and the Joint Staff; and

(B) could potentially be resolved using mission integration software, including software designed to integrate heterogeneous systems across domains without upgrading hardware or changing existing system software.

(2) From amounts made available to carry out this section, to allocate funds to entities in the combatant commands and the Joint Staff to address such operational challenges through—

(A) the development, procurement, or fielding of mission integration software; and

(B) the development and implementation of related tactics, techniques, and procedures to integrate systems to increase interoperability.

(3) To identify, acquire, and field existing mission integration capabilities and enhance ongoing research and development.

(4) To support exercises, experimentation, and demonstrations to highlight and refine mission integration software and address associated interoperability challenges.

(5) To assist in fielding mission integration software by the military departments to encourage the development and employment of such software on a larger scale.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the Committee on Armed Services of the House of Representatives a briefing on the progress of the Chief Digital and Artificial Intelligence Officer in carrying out the activities described in subsection (b)).

(d) REPORTS.—On a biannual basis during the period of three years following the date of the briefing under subsection (c), the Secretary of Defense shall submit to the congressional defense committees a report that includes, with respect to the period of six months preceding the date of the report, the following:

(1) A description of any operational challenges that were identified under subsection (b)(1).

(2) Of those operational challenges—

(A) identification of the challenges the Chief Digital and Artificial Intelligence Officer

addressed through the allocation of funds under subsection (b)(2); and

(B) an explanation of whether and to what extent activities carried out with such funds reduced interoperability challenges.

(3) Identification of any mission integration software procured, developed, or fielded by the Armed Forces or the combatant commands.

(4) A description of any exercises, experimentation, and demonstrations performed.

(e) DEFINITIONS.—In this section:

(1) The term ''Chief Digital and Artificial Intelligence Officer'' means the official designated under subsection (b) of section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. note prec. 4061).

(2) The term ''mission integration software'' means software that supports military operations by creating interoperability between systems, tools, and applications, including weapons, platforms, intelligence, surveillance, and reconnaissance systems, intelligence fusion systems, tasking systems, tactical data links, cyberspace and electronic warfare systems, communications systems, command and con-

trol systems, common operating pictures, and commanders' decision aids.

**SEC. 213. MODIFICATION OF DEFENSE LABORATORY MODERNIZATION PILOT PROGRAM.**

Section 2803 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. note prec. 4121) is amended—

(1) in subsection (e), by striking ''$150,000,000'' and inserting ''$300,000,000'';

(2) in subsection (f)(2), by striking ''$1,000,000'' and inserting ''$4,000,000''; and

(3) in subsection (g), by striking ''October 1, 2025'' and inserting ''October 1, 2030''.

**SEC. 214. SUPPORT FOR RESEARCH AND DEVELOPMENT OF BIOINDUSTRIAL MANUFACTURING PROCESSES.**

(a) AUTHORIZATION.—Subject to the availability of appropriations, the Secretary of Defense shall provide support to manufacturing innovation institutes for the research and development of innovative bioindustrial manufacturing processes and the development of a network of bioindustrial manufacturing facilities to improve the ability of the industrial base to use such processes for the production of chemicals, materials, and other products

necessary to support national security or secure fragile supply chains.

(b) FORM OF SUPPORT.—The support provided under subsection (a) may consist of—

(1) the establishment of one or more manufacturing innovation institutes specializing in the research and development of bioindustrial manufacturing processes;

(2) providing funding to one or more existing manufacturing innovation institutes—

(A) to support the research and development of bioindustrial manufacturing processes; or

(B) to otherwise expand the bioindustrial manufacturing capabilities of such institutes;

(3) the establishment of dedicated facilities within one or more manufacturing innovation institutes to serve as regional hubs for the research, development, and the scaling of bioindustrial manufacturing processes and products to higher levels of production; or

(4) designating a manufacturing innovation institute to serve as the lead entity responsible for integrating a network of pilot and intermediate scale bioindustrial manufacturing facilities.

(c) ACTIVITIES.—A manufacturing innovation institute that receives support under subsection (a) shall carry out activities relating to the research, development, test, and evaluation of innovative bioindustrial manufacturing processes and the scaling of bioindustrial manufacturing products to higher levels of production, which may include—

(1) research on the use of bioindustrial manufacturing to create materials such as polymers, coatings, resins, commodity chemicals, and other materials with fragile supply chains;

(2) demonstration projects to evaluate bioindustrial manufacturing processes and technologies;

(3) activities to scale bioindustrial manufacturing processes and products to higher levels of production;

(4) strategic planning for infrastructure and equipment investments for bioindustrial manufacturing of defense-related materials;

(5) analyses of bioindustrial manufactured products and validation of the application of biological material used as input to new and existing processes to aid in future investment strategies and the security of critical supply chains;

(6) the selection, construction, and operation of pilot and intermediate scale bioindustrial manufacturing facilities;

(7) development and management of a network of facilities to scale production of bioindustrial products;

(8) activities to address workforce needs in bioindustrial manufacturing;

(9) establishing an interoperable, secure, digital infrastructure for collaborative data exchange across entities in the bioindustrial manufacturing community, including government agencies, industry, and academia;

(10) developing and implementing digital tools, process security and assurance capabilities, cybersecurity protocols, and best practices for data storage, sharing and analysis; and

(11) such other activities as the Secretary of Defense determines appropriate.

(d) CONSIDERATIONS.—In determining the number, type, and location of manufacturing innovation institutes or facilities to support under subsection (a), the Secretary of Defense shall consider—

(1) how the institutes or facilities may complement each other by functioning as a together as a network;

(2) how to geographically distribute support to such institutes or facilities—

(A) to maximize access to biological material needed as an input to bioindustrial manufacturing processes;

(B) to leverage available industrial and academic expertise;

(C) to leverage relevant domestic infrastructure required to secure supply chains for chemicals and other materials; and

(D) to complement the capabilities of other manufacturing innovation institutes and similar facilities; and

(3) how the activities supported under this section can be coordinated with relevant activities of other departments and agencies of the Federal Government.

(e) PLAN REQUIRED.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees and the National Security

Commission on Emerging Biotechnology a plan for the implementation of this section that includes—

(A) a description of types, relative sizes, and locations of the manufacturing innovation institutes or facilities the Secretary intends to establish or support under this section;

(B) a general description of the focus of each institute or facility, including the types of bioindustrial manufacturing equipment, if any, that are expected to be procured for each such institute or facility;

(C) a general description of how the institutes and facilities will work as a network to maximize the diversity of bioindustrial products available to be produced by the network;

(D) an explanation of how the network will support the establishment and maintenance of the bioindustrial manufacturing industrial base; and

(E) an explanation of how the Secretary intends to ensure that bioindustrial manufacturing activities conducted under this section are modernized digitally, including through—

(i) the use of a data automation to represent processes and products as models and simulations; and

(ii) the implementation of measures to address cybersecurity and process assurance concerns.

(2) BRIEFINGS.—Not later than 180 days after the date of the submittal of the plan under paragraph (1), and biannually thereafter for five years, the Secretary of Defense shall provide to the appropriate congressional committees a briefing on the progress toward the implementation of the plan.

(f) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Agriculture, Nutrition, and Forestry and the Committee on Commerce, Science, and Transportation of the Senate; and

(C) the Committee on Agriculture and the Committee on Science, Space, and Technology of the House of Representatives.

(2) The term ''bioindustrial manufacturing'' means the use of living organisms, cells, tissues, en-

zymes, or cell-free systems to produce materials and products for non-pharmaceutical applications.

(3) The term ''manufacturing innovation institute'' means a Manufacturing USA institute (as described in section 34(d) of the National Institute of Standards and Technology Act (15 U.S.C. 278s(d))) that is funded by the Department of Defense.

**SEC. 215. ACTIVITIES TO SUPPORT THE USE OF METAL ADDITIVE MANUFACTURING FOR THE SUBSURFACE FLEET OF THE NAVY.**

(a) IN GENERAL.—The Secretary of the Navy shall carry out activities to support—

(1) the development of additive manufacturing processes for the production of metal components and other metal-based materials for the subsurface fleet of the Navy;

(2) the testing, evaluation, and qualification of such processes, components, and materials; and

(3) the use of such processes, components, and materials to meet requirements and milestones applicable to the subsurface fleet of the Navy.

(b) FUNDING.—From amounts authorized to be appropriated by this Act for shipbuilding concept advance design (PE 0603563N), as reflected in division D of this Act, the Secretary of the Navy is authorized to use up

to $5,000,0000 to carry out the activities required under subsection (a).

**SEC. 216. DIGITAL MISSION OPERATIONS PLATFORM FOR THE SPACE FORCE.**

The Secretary of the Air Force is authorized to enter into one or more contracts for the procurement of a digital mission operations platform for the Space Force that—

(1) is capable of providing systems operators with the ability to analyze system performance in a simulated mission environment; and

(2) enables collaboration among such operators in a integrated, physics-based environment.

**SEC. 217. AIR-BREATHING TEST CAPACITY UPGRADE TO SUPPORT CRITICAL HYPERSONIC WEAPONS DEVELOPMENT.**

The Secretary of the Air Force shall carry out activities to upgrade the air breathing test facilities of the Department of the Air Force to support critical hypersonic weapons development. The Secretary shall seek to complete any upgrade made under this section, subject to availability of funds for such upgrade, not later than 24 months after the upgrade is commenced.

**SEC. 218. INFORMATION ON USE OF COMMERCIAL SOFTWARE FOR THE WARFIGHTER MACHINE INTERFACE OF THE ARMY.**

(a) CERTIFICATION REQUIRED.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall certify to the congressional defense committees that the procurement process for increments of the warfighter machine interface procured after the date of the enactment of this Act will be carried out in accordance with section 3453 of title 10, United States Code.

(b) MARKET RESEARCH AND REPORT.—

(1) MARKET RESEARCH.—The Secretary of the Army shall conduct market research to identify commercially available software to determine whether such software has the potential to fulfill the applicable requirements of the warfighter machine interface program of the Army.

(2) REPORT.—Not later than 30 days after the conclusion of the market research required under paragraph (1), the Secretary of the Army shall submit to the congressional defense committees a report on the on the results of the research, including a list of any commercial software identified as part of the research.

**SEC. 219. MEASURES TO INCREASE THE CAPACITY OF HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND OTHER MINORITY-SERVING INSTITUTIONS TO ACHIEVE VERY HIGH RESEARCH ACTIVITY STATUS.**

(a) PURPOSE.—The purpose of the program established under this section is to provide additional pathways needed for further increasing capacity at historically Black colleges and universities and other minority-serving institutions to achieve and maintain very high research activity status.

(b) PROGRAM TO INCREASE CAPACITY TOWARD ACHIEVING VERY HIGH RESEARCH ACTIVITY STATUS.—

(1) PROGRAM.—

(A) IN GENERAL.—The Secretary shall establish and carry out, using funds made available for research activities, a pilot program to increase capacity at high research activity status historically Black colleges and universities and other minority-serving institutions toward achieving very high research activity status during the grant period.

(B) RECOMMENDATIONS.—In establishing such program, the Secretary may consider the recommendations pursuant to section 262 of the National Defense Authorization Act for Fis-

cal Year 2020 (Public Law 116–92; 10 U.S.C. 4144 note) and section 220 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1597).

(2) GRANTS AUTHORIZED.—The Secretary shall award, on a competitive basis, grants to eligible institutions to carry out the activities under paragraph (4)(A).

(3) APPLICATION.—An eligible institution seeking a grant under this section shall submit an application to the Secretary at such time, in such manner, and containing such information and assurances as the Secretary may require, including a description of—

(A) nascent research capabilities with respect to research areas of interest to the Department of Defense;

(B) a plan for increasing the level of research activity toward achieving very high research activity status classification during the grant period, including measurable milestones such as growth in very high research activity status indicators and other relevant factors;

(C) how such institution will sustain the increased level of research activity after the conclusion of the grant period; and

(D) how the institution will evaluate and assess progress with respect to the implementation of the plan under subparagraph (B).

(4) PROGRAM COMPONENTS.—

(A) USE OF FUNDS.—An eligible institution that receives a grant under this section shall use the grant funds to support research activities with respect to research areas for STEM and critical technologies, as determined by the Secretary under subparagraph (B), including—

(i) faculty professional development;

(ii) stipends for undergraduate and graduate students and post-doctoral scholars;

(iii) laboratory equipment and instrumentation;

(iv) recruitment and retention of faculty and graduate students;

(v) communication and dissemination of products produced during the grant period;

(vi) construction, modernization, rehabilitation, or retrofitting of facilities for research purposes; and

(vii) other activities necessary to build capacity in achieving very high research activity status indicators.

(B) STRATEGIC AREAS OF SCIENTIFIC RESEARCH.—The Secretary, in consultation with the Defense Science Board, shall establish and update, on an annual basis, a list of research areas for STEM and critical technologies.

(C) RESEARCH PROGRESS REPORTING.—

(i) IN GENERAL.—Not later than 3 years after receiving a grant under this section, and every 3 years thereafter, an eligible institution shall submit to the Secretary—

(I) a report that includes an assessment by the institution, using the criteria established in clause (ii), of the progress made by such institution with respect to achieving very high research activity indicators; and

(II) an updated plan described in paragraph (3)(B).

(ii) RESEARCH ASSESSMENT.—The Secretary, in partnership with the eligible institution, shall establish criteria for the report required under clause (i)(I).

(D) GRANT PERIOD.—A grant awarded under this section shall be for a period of not more than 10 years, to be determined by the Secretary.

(E) EXPANSION OF ELIGIBILITY.—The Secretary may award grants under this section to historically Black colleges and universities and other minority-serving institutions that are not eligible institutions if the Secretary determines that the program can support such colleges, universities, and institutions while achieving the purpose of the program described in subsection (a).

(5) EVALUATION.—Not later than 5 years after the date of the enactment of this Act, the Secretary shall prepare and submit a report to the Committees on Armed Services of the Senate and the House of Representatives providing an update on the pilot program, including—

(A) activities carried out under the pilot program;

(B) an analysis of the growth in very high research activity status indicators of eligible institutions that received a grant under this section; and

(C) emerging research areas of interest to the Department of Defense conducted by eligible institutions that received a grant under this section.

(6) TERMINATION.—The authority of the Secretary to award grants under the pilot program established by this section shall terminate 10 years after the date on which the Secretary establishes such program.

(7) REPORT TO CONGRESS.—Not later than 180 days after the termination of the pilot program under paragraph (6), the Secretary shall prepare and submit a report to the Committees on Armed Services of the Senate and the House of Representatives on the pilot program that includes the following:

(A) An analysis of the growth in very high research activity status indicators of eligible institutions that received a grant under this section.

(B) An evaluation on the effectiveness of the program in increasing the research capacity of eligible institutions that received a grant under this section.

(C) An description of how institutions that have achieved very high research activity status plan to sustain that status beyond the duration of the program.

(D) An evaluation of the maintenance of very high research status by eligible institutions that received a grant under this section.

(E) An evaluation of the effectiveness of the program in increasing the diversity of students conducting high quality research in unique areas.

(F) Recommendations with respect to further activities and investments necessary to elevate the research status of historically Black colleges and universities and other minority-serving institutions.

(G) Recommendations on whether the program established under this section should be renewed or expanded.

(c) DEFINITIONS.—In this section:

(1) The term ''eligible institution'' means a historically Black college or university or other minority-serving institution that is classified as a high research activity status institution at the time of application for a grant under subsection (b).

(2) The term ''high research activity status'' means R2 status, as classified by the Carnegie Classification of Institutions of Higher Education.

(3) The term ''historically Black college or university'' has the meaning given the term ''part B institution'' under section 322 of the Higher Education Act of 1965 (20 U.S.C. 1061).

(4) The term ''other minority-serving institution'' means an institution of higher education specified in paragraphs (2) through (7) of section 371(a) of the Higher Education Act of 1965 (20 U.S.C. 1067q(a)).

(5) The term ''Secretary'' means the Secretary of Defense.

(6) The term ''very high research activity status'' means R1 status, as classified by the Carnegie Classification of Institutions of Higher Education.

(7) The term ''very high research activity status indicators'' means the categories used by the Carnegie Classification of Institutions of Higher Edu-

cation to delineate which institutions have very high activity status, including—

(A) annual expenditures in science and engineering;

(B) per-capita (faculty member) expenditures in science and engineering;

(C) annual expenditures in non-science and engineering fields;

(D) per-capita (faculty member) expenditures in non-science and engineering fields;

(E) doctorates awarded in science, technology, engineering, and mathematics fields;

(F) doctorates awarded in social science fields;

(G) doctorates awarded in the humanities;

(H) doctorates awarded in other fields with a research emphasis;

(I) total number of research staff including postdoctoral researchers;

(J) other doctorate-holding non-faculty researchers in science and engineering and per-capita (faculty) number of doctorate-level research staff including post-doctoral researchers; and

(K) other categories utilized to determine classification.

**SEC. 220. PILOT PROGRAM TO SUPPORT THE DEVELOPMENT OF PATENTABLE INVENTIONS IN THE DEPARTMENT OF THE NAVY.**

(a) IN GENERAL.—Beginning not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall carry out a pilot program to expand the support available to covered personnel who seek to engage in the development of patentable inventions that—

(1) have applicablity to the job-related functions of such personnel; and

(2) may have applicability in the civilian sector.

(b) ACTIVITIES.—As part of the pilot program under subsection (a), the Secretary of the Navy shall—

(1) expand outreach to covered personnel regarding the availability of patent-related training, legal assistance, and other support for personnel interested in developing patentable inventions;

(2) expand the availability of patent-related training to covered personnel, including by making such training available online;

(3) clarify and issue guidance detailing how covered personnel, including personnel outside of the

laboratories and other research organizations of the Department of the Navy, may—

(A) seek and receive support for the development of patentable inventions; and

(B) receive a portion of any royalty or other payment as an inventor or coinventor such as may be due under section 14(a)(1)(A)(i) of the Stevension-Wylder Technology Innovation Act of 1980 (15 U.S.C. 3710c(a)(1)(A)(i)); and

(4) carry out other such activities as the Secretary determines appropriate in accordance with the purposes of the pilot program.

(c) TERMINATION.—The authority to carry out the pilot program under subsection (a) shall terminate three years after the date of the enactment of this Act.

(d) DEFINITIONS.—In this section:

(1) The term ''covered personnel'' means members of the Navy and Marine Corps and civilian employees of the Department of the Navy, including members and employees whose primary duties do not involve research and development.

(2) The term ''patentable invention'' means an invention that is patentable under title 35, United States Code.

**SEC. 221. PILOT PROGRAM TO FACILITATE THE RESEARCH, DEVELOPMENT, AND PRODUCTION OF ADVANCED BATTERY TECHNOLOGIES FOR WARFIGHTERS.**

(a) ESTABLISHMENT.—The Secretary of Defense shall carry out a pilot program to be known as the ''American Sustainable Battery Production Technologies Program'' (referred to in this section as the ''Program''). Under the Program, the Secretary shall seek to award assistance to eligible entities to facilitate the research, development, and production of electric battery technologies that may be useful for defense-related purposes.

(b) COORDINATION WITH RELATED PROGRAMS.—The Secretary of Defense shall ensure that activities under the Program are coordinated with—

(1) the Strategic Environmental Research and Development Program under section 2901 of title 10, United States Code; and

(2) the Department of Energy.

(c) PROGRAM ACTIVITIES.—Under the Program, the Secretary of Defense shall seek to award assistance to eligible entities—

(1) to conduct research and development into electric battery technologies and any associated manufacturing and production needs;

(2) to expand the battery recycling capabilities of the Department of Defense;

(3) to reduce the reliance of the Department of Defense on foreign competitors for critical materials and technologies, including rare earth materials; and

(4) to transition battery technologies, including technologies developed from other pilot programs, prototype projects, or other research and development programs, from the prototyping phase to production.

(d) FORM OF ASSISTANCE.—Assistance awarded to an eligible entity under the Program may consist of a grant, a contract, a cooperative agreement, other transaction, or such other form of assistance as the Secretary of Defense considers appropriate.

(e) PRIORITY CONSIDERATION.—In awarding assistance to eligible entities under the Program, the Secretary of Defense shall give priority to entities that—

(1) are located in and operate in the United States, including any manufacturing operations;

(2) are owned by a United States entity; and

(3) deploy North American-owned intellectual property and content.

(f) DATA COLLECTION.—The Secretary of Defense shall collect and analyze data on the Program for the purposes of—

(1) developing and sharing best practices for achieving the objectives of the Program;

(2) providing information to the Secretary on the implementation of the Program, and related policy issues; and

(3) reporting to the congressional defense committees in accordance with subsection (h).

(g) TERMINATION.—The Program shall terminate on the date that is six years after the date of the enactment of this Act.

(h) REPORTS.—

(1) ANNUAL REPORTS.—Not later than one year after the date of the enactment of this Act and annually thereafter until the date on which the Program terminates under subsection (g), the Secretary of Defense shall submit to the appropriate congressional committees a report on the use of funds under the Program. Each report shall include the following:

(A) An explanation of whether and to what extent the assistance awarded to eligible entities under the Program met mission requirements

during the period covered by the report, including—

(i) the value of the assistance awarded, including the value of each grant, contract, cooperative agreement, other transaction, or other form of assistance; and

(ii) a description of the research, technology, or capabilities funded with such assistance.

(B) A description of any research, technology, or capabilities being tested under the Program as of the date of the report together with an explanation of how the Secretary has applied, or expects to apply, such research, technology, or capabilities within the Department of Defense.

(2) FINAL REPORT.—Not later than one year after the date on which the Program terminates under subsection (g), the Secretary of Defense shall submit to the appropriate congressional committees a final report on the results of the Program. Such report shall include—

(A) a summary of the objectives achieved by the Program; and

(B) recommendations regarding the steps that may be taken to promote battery technologies that are not dependent on foreign competitors to meet the needs of the Armed Forces.

(i) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Energy and Commerce and the Committee on Science, Space, and Technology of the House of Representatives; and

(C) the Committee on Energy and Natural Resources and the Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''eligible entity'' means a battery producer or other entity involved in the battery production supply chain.

**SEC. 222. PILOT PROGRAM ON RESEARCH AND DEVELOPMENT OF PLANT-BASED PROTEIN FOR THE NAVY.**

(a) ESTABLISHMENT.—Not later than March 1, 2023, the Secretary of the Navy shall establish and carry out a pilot program to offer plant-based protein options

at forward operating bases for consumption by members of the Navy.

(b) LOCATIONS.—Not later than March 1, 2023, the Secretary shall identify not fewer than two naval facilities to participate in the pilot program and shall prioritize facilities (such as Joint Region Marianas, Guam, Navy Support Facility, Diego Garcia, and U.S. Fleet Activities Sasebo, Japan) where livestock-based protein options may be costly to obtain or store.

(c) AUTHORITIES.—In establishing and carrying out the pilot program under subsection (a), the Secretary of the Navy may use the following authorities:

(1) The authority to carry out research and development projects under section 4001 of title 10, United States Code.

(2) The authority to enter into transactions other than contracts and grants under section 4021 of such title.

(3) The authority to enter into cooperative research and development agreements under section 4026 of such title.

(d) RULE OF CONSTRUCTION.—Nothing in this Act shall be construed to prevent offering livestock-based protein options alongside plant-based protein options at naval facilities identified under subsection (b).

(e) TERMINATION.—The requirement to carry out the pilot program established under this section shall terminate three years after the date on which the Secretary establishes the pilot program required under this section.

(f) REPORT.—Not later than one year after the termination of the pilot program, the Secretary shall submit to the appropriate congressional committees a report on the pilot program that includes the following:

(1) The consumption rate of plant-based protein options by members of the Navy under the pilot program.

(2) Effective criteria to increase plant-based protein options at naval facilities not identified under subsection (b).

(3) An analysis of the costs of obtaining and storing plant-based protein options compared to the costs of obtaining and storing livestock-based protein options at selected naval facilities.

(g) 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

(B) the Committee on Armed Forces of the Senate.

(2) PLANT-BASED PROTEIN OPTIONS.—The term ''plant-based protein options'' means edible vegan or vegetarian meat alternative products made using plant and other non-livestock-based proteins.

# Subtitle C—Plans, Reports, and Other Matters

**SEC. 231. MODIFICATION OF NATIONAL SECURITY STRATEGY FOR NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.**

Section 4811(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

''(12) Providing for the research and development of sustainable and secure food sources, including food innovation and alternative protein development, in consultation with the Secretary of Agriculture.''.

**SEC. 232. DEFENSE ADVANCED RESEARCH PROJECTS AGENCY INNOVATION FELLOWSHIP PROGRAM.**

(a) IN GENERAL.—The Director of the Defense Advanced Research Projects Agency shall develop a plan for the establishment of a fellowship program (to be known

as the ''Innovation Fellowship Program'') to expand opportunities for early career scientists to participate in the programs, projects, and other activities of the Agency.

(b) ELEMENTS.—In developing the plan under subsection (a), the Director of the Defense Advanced Research Projects Agency shall—

(1) review the programs, projects, and other activities of the Agency that are open to participation from early career scientists to identify opportunities for the expansion of such participation;

(2) conduct an assessment of the potential costs of the fellowship program described in subsection (a);

(3) establish detailed plans for the implementation of the fellowship program;

(4) define eligibility requirements for participants in the fellowship program;

(5) identify criteria for evaluating applicants to the fellowship program; and

(6) address such other matters as the Director determines appropriate.

(c) SUBMITTAL TO CONGRESS.—Not later than 180 days after the date of the enactment of this Act, the Director of the Defense Advanced Research Projects Agency

shall submit to the congressional defense committee a report that includes—

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

(2) recommendations for expanding opportunities for early career scientists to participate in the programs, projects, and other activities of the Agency.

**SEC. 233. REPORT ON EFFORTS TO INCREASE THE PARTICIPATION OF HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND OTHER MINORITY-SERVING INSTITUTIONS IN THE RESEARCH AND DEVELOPMENT ACTIVITIES OF THE DEPARTMENT OF DEFENSE.**

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees a report on measures that may be implemented to increase the participation of historically Black colleges and universities and other minority-serving institutions in the research, development, test, and evaluation activities of the Department of Defense.

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

(1) A strategy for the provision of long-term institutional support to historically Black colleges and universities and other minority-serving institutions, including support for—

(A) the development and enhancement of the physical research infrastructure of such institutions; and

(B) the research activities of such institutions.

(2) An evaluation of the feasibility of expanding the support provided by the Department of Defense to historically Black colleges and universities and other minority-serving institutions to include support for the development or enhancement of grant and contract administration capabilities at such institutions.

(3) An evaluation of options to strengthen support for historically Black colleges and universities and other minority-serving institutions within the military departments and other organizations and elements of the Department, including an evaluation of the need for and feasibility of establishing dedicated organizations within the Army, Navy, Marine Corps, Air Force, and Space Force to increase engagement with such institutions.

(4) A review of the adequacy of the level of staffing within the Department that is dedicated to engagement with historically Black colleges and universities and other minority-serving institutions.

(5) A plan to improve data collection and evaluation with respect to historically Black colleges and universities and other minority-serving institutions, including—

(A) harmonization of standards with respect to the type, detail, and organization of data on such institutions;

(B) improving the completeness of data submissions regarding such institutions;

(C) improving the retention of data on such institutions across the Department;

(D) additional data collection specific to such institutions, including data on—

(i) the rates at which such institutions submit proposals for grants and contracts from the Department, the success rates of such proposals, and feedback regarding such proposals;

(ii) the total number of grants and contracts for which such institutions are eligible to apply and the number of appli-

cations received from such institutions for such grants and contracts; and

(iii) formal feedback mechanisms for rejected proposals from first-time applicants from such institutions; and

(E) as necessary, promulgation of additional or modified regulations, instructions, or guidance regarding the collection, evaluation, and retention of data on such institutions.

(6) Identification of the types of research facilities, personnel, capabilities, and subject areas that are in-demand within the Department so that historically Black colleges and universities and other minority-serving institutions may prioritize investment in those types of facilities, personnel, capabilities, and subject areas as appropriate.

(7) Identification of metrics that may be used to evaluate, track, and improve the competitiveness of historically Black colleges and universities and other minority-serving institutions for grants and contracts with the Department.

(8) An evaluation of options to implement criteria for the award of grants and contracts that assign value to the inclusion of historically Black colleges and universities and other minority-serving in-

stitutions as research partners, including such mechanisms as weighted grant solicitation evaluation criteria and longer periods of performance to allow for capacity-building within such institutions.

(9) An evaluation of options to incentivize the defense industry to support capacity building within historically Black colleges and universities and other minority-serving institutions, including through the incentivization of independent research and development or other activities.

(10) A plan to compile and maintain data regarding institutions of higher education, including historically Black colleges and universities and other minority-serving institutions, that receive funding from departments and agencies of the Federal Government outside the Department of Defense.

(11) A review of the programs and practices of departments and agencies of the Federal Government outside the Department of Defense relevant to increasing research capacity at historically Black colleges and universities and other minority-serving institutions for purposes of—

(A) the potential adoption of best practices within the Department;

(B) the identification of opportunities to leverage the research capacity of such institutions; and

(C) increasing the level of collaboration between the Department and such institutions.

(12) Recommendations for the modification or expansion of the workforce development programs of the Department to increase the proportion of the workforce hired from historically Black colleges and universities and other minority-serving institutions.

(13) Such other recommendations as the Under Secretary of Defense for Research and Engineering determines appropriate.

(14) A plan for the implementation of the recommendations included in the report, as appropriate, including an explanation of any additional funding, authorities, or organizational changes needed for the implementation of such recommendations.

(c) DEFINITIONS.—In this section:

(1) The term ''historically Black college or university'' means a part B institution (as defined in section 322 of the Higher Education Act of 1965 (20 U.S.C. 1061)).

(2) The term ''institution of higher education'' has the meaning given that term in section 101 of

the Higher Education Act of 1932 (20 U.S.C. 1001).

(3) The term ''other minority-serving institution'' means an institution of higher education specified in paragraphs (2) through (7) of section 371(a) of the Higher Education Act of 1965 (20 U.S.C. 1067q(a)).

(d) REPORT ON IMPLEMENTATION.—Not later than 180 days after the date of the submission of the report under subsection (a), the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees a report on the progress of the Under Secretary in implementing measures to increase the participation of historically Black colleges and universities and other minority-serving institutions in the research, development, test, and evaluation activities of the Department of Defense, as identified in the report under subsection (a).

**SEC. 234. ASSESSMENT OF TEST INFRASTRUCTURE AND PRIORITIES RELATED TO HYPERSONIC CAPABILITIES AND RELATED TECHNOLOGIES AND HYPERSONIC TEST STRATEGY.**

(a) ASSESSMENT.—The Secretary of Defense shall assess the capacity of the Department of Defense to test,

evaluate, and qualify the hypersonic capabilities and related technologies of the Department.

(b) ELEMENTS.—The assessment under subsection (a) shall include the following:

(1) An identification of facilities of other departments and agencies of the Federal Government and academia and industry testing facilities relevant to the capacity described in subsection (a).

(2) An analysis of the capability of each test facility to simulate various individual and coupled hypersonic conditions to accurately simulate a realistic flight-like environment with all relevant aerothermochemical conditions.

(3) An identification of the coordination, scheduling, reimbursement processes, and requirements needed for the potential use of test facilities of other departments and agencies of the Federal Government, as available.

(4) An analysis of the test frequency, scheduling lead time, test cost, and capacity of each test facility relating to testing technologies of the Department for hypersonic flight.

(5) A review of academia, contractor-owned, commercial ground and flight testbeds that could enhance efforts to test flight vehicles of the Depart-

ment in all phases of hypersonic flight, and other technologies, including sensors, communications, thermal protective shields and materials, optical windows, navigation, and environmental sensors.

(6) An assessment of any cost- and time-savings that could result from using technologies identified in the strategy under subsection (c).

(c) STRATEGY.—

(1) REQUIREMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a strategy to coordinate the potential use of test facilities and ranges of other departments and agencies of the Federal Government, as available, and academia, contractor-owned, commercial flight and reentry test capabilities to evaluate hypersonic technologies.

(2) ELEMENTS.—The strategy under paragraph (1) shall—

(A) be based on the assessment under subsection (a);

(B) address how the Secretary will coordinate with other departments and agencies of the Federal Government, including the National Aeronautics and Space Administration, to plan

for and schedule the potential use of other Federal Government-owned test facilities and ranges, as available, to evaluate the hypersonic technologies of the Department of Defense;

(C) to the extent practicable, address in what cases the Secretary can use academia, contractor-owned, commercial flight and reentry test capabilities to fill any existing testing requirement gaps to enhance and accelerate flight qualification of critical hypersonic technologies of the Department;

(D) identify—

(i) the resources needed to improve the frequency and capacity for testing hypersonic technologies of the Department at ground-based test facilities and flight test ranges;

(ii) the resources needed to reimburse other departments and agencies of the Federal Government for the use of the test facilities and ranges of those departments or agencies to test the hypersonics technologies of the Department;

(iii) the requirements, approval processes, and resources needed to enhance, as

appropriate, the testing capabilities and capacity of other Federal Government-owned test facilities and flight ranges, in coordination with the heads of the relevant departments and agencies;

(iv) investments that the Secretary can make to incorporate academia, contractor-owned, commercial ground and flight testbeds into the overall hypersonic test infrastructure of the Department of Defense; and

(v) the environmental conditions, testing sizes, and duration required for flight qualification of both hypersonic cruise and hypersonic boost-glide technologies of the Department; and

(E) address all advanced or emerging technologies that could shorten timelines and reduce costs for hypersonic missile testing, including with respect to—

(i) 3D printing of hypersonic test missile components including the frame, warhead, and propulsion systems;

(ii) reusable hypersonic test beds, including air-sea-and ground launched options;

(iii) additive manufacturing solutions;

(iv) qualified airborne B–52 alternative platforms to provide improved flight schedules; and

(v) other relevant technologies.

(3) COORDINATION.—The Secretary shall develop the strategy under paragraph (1) in coordination with the Joint Hypersonic Transition Office, the Administrator of the National Aeronautics and Space Administration, the research labs of the military departments, and the Defense Test Resource Management Center.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—The term ''appropriate congressional committees'' means the following:

(1) The congressional defense committees.

(2) The Committee on Science, Space, and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate.

**SEC. 235. INDEPENDENT REVIEW AND ASSESSMENT OF TEST AND EVALUATION RESOURCE PLANNING.**

(a) REVIEW AND ASSESSMENT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into an agreement with a federally funded research and development center to conduct an independent review and assessment of the Strategic Plan for Test Resources, as prepared by the Department of Defense Test Resource Management Center.

(b) ELEMENTS.—The review and assessment under subsection (a) shall include the following:

(1) An assessment of the adequacy of the 30-year planning horizon that serves as the basis for the Strategic Plan for Test Resources.

(2) An assessment of whether and to what extent prior forecasts of the test and evaluation needs of the Department of Defense align with investments made by the Department in test and evaluation resources.

(3) An identification and assessment of—

(A) any shortcomings in the infrastructure, personnel, and equipment of the test and evaluation enterprise of the Department; and

(B) any risks that the status of such enterprise may pose with respect to the ability of the

Department to meet its current and future test and evaluation needs.

(4) An assessment of whether and to what extent the test and evaluation efforts of the Department sufficiently address software-intensive, multi-domain, and continuously developed capabilities.

(5) Such other matters as the Secretary of Defense determines appropriate.

(c) REPORT REQUIRED.—Not later than 180 days after the date on which the Secretary of Defense enters into an agreement with a federally funded research and development center under subsection (a), the center shall submit to the Secretary and the congressional defense committees a report on the results of the study conducted under such subsection.

**SEC. 236. STUDY ON COSTS ASSOCIATED WITH UNDERPERFORMING SOFTWARE AND INFORMATION TECHNOLOGY.**

(a) STUDY REQUIRED.—The Secretary of Defense shall seek to enter into a contract with a federally funded research and development center to conduct an independent study on the impacts, and challenges associated with the use of software and information technology, including potential solutions to such challenges.

(b) ELEMENTS.—The independent study conducted under subsection (a) shall include the following:

(1) A survey of members of the Armed Forces under the jurisdiction of a Secretary of a military department to identify the most important software and information technology challenges that result in lost working hours, including an estimate of the number and cost of lost working hours for each military department, the impact of each challenge on retention, and the negative impact to any mission.

(2) A summary of the policy or technical challenges that limit the ability of each Secretary of a military department to implement needed software and information technology reforms, based on interviews conducted with individuals who serve as chief information officer (or an equivalent position) in a military department.

(3) Recommendations to address the challenges described in paragraph (1) and improve the processes through which the Secretary provides software and information technology Departmentwide.

(c) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, a federally funded research and development center described in subsection (a) shall submit to the Secretary of Defense and

the congressional defense committees a report on any independent study conducted under this section.

(d) SOFTWARE AND INFORMATION TECHNOLOGY DEFINED.—In this section, the term ''software and information technology'' does not include embedded software and information technology used for weapon systems.

**SEC. 237. STUDY AND REPORT ON SUFFICIENCY OF TEST AND EVALUATION RESOURCES FOR CERTAIN MAJOR DEFENSE ACQUISITION PROGRAMS.**

(a) STUDY.—The Director of Operational Test and Evaluation of the Department of Defense shall conduct a study of at least one major defense acquisition program within each covered Armed Force to determine the sufficiency of the test and evaluation resources supporting such program.

(b) ELEMENTS.—The study under subsection (a) shall include, with respect to each major defense acquisition program evaluated as part of the study, the following:

(1) Identification of the test and evaluation resources supporting the program as of the date of the study.

(2) An evaluation of whether and to what extent such resources are sufficient to meet the needs of the program assuming that test and evaluation

resources allocated for other purposes will not be reallocated to support the program in the future.

(3) If the test and evaluation resources identified under paragraph (1) are insufficient to meet the needs of the program, an evaluation of the amount of additional funding required to ensure the sufficiency of such resources.

(4) The amount of Government-funded, contractor-provided test and evaluation resources that are currently provided or are planned to be provided as part of the program of record.

(5) The future availability of any resources identified under paragraph (4) for programs, projects, and activities other than the major defense acquisition program evaluated as part of the study.

(c) REPORT.—Not later than one year after the date of the enactment of this Act, the Director of Operational Test and Evaluation 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 ''covered Armed Force'' means the Army, the Navy, the Marine Corps, and the Air Force.

(2) The term ''major defense acquisition program'' has the meaning given that term in section 4201 of title 10, United States Code.

**SEC. 238. PERIODIC REPORTS ON RISK DISTRIBUTION WITHIN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES.**

(a) REPORTS REQUIRED.—In accordance with subsection (d), the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering and in consultation with the Secretaries of the military departments, shall submit to the congressional defense committees periodic reports on the distribution of risk across the covered research activities of the Department of Defense.

(b) ELEMENTS.—Each report under subsection (a) shall include, with respect to the year covered by the report, the following:

(1) A list of all covered research activities of the Department of Defense with each such research activity designated as either—

(A) research activity that is lower risk, such as efforts aimed at the incremental improvement of an existing product; or

(B) research activity that is higher risk, such as efforts aimed at the development of new

technology that could disrupt an entire field (commonly referred to as ''disruptive technology'').

(2) An assessment of whether the distribution of covered research activities among the risk categories described in subparagraphs (A) and (B) of paragraph (1) is optimal for serving the needs of the Department of Defense.

(3) Such other information as the Secretary of Defense determines appropriate.

(c) COVERED RESEARCH ACTIVITY DEFINED.—In this section, the term ''covered research activity'' means a program, project, or other activity of the Department of Defense designated as budget activity 1 (basic research), budget activity 2 (applied research), or budget activity 3 (advanced technology development), as such budget activity classifications are set forth in volume 2B, chapter 5 of the Department of Defense Financial Management Regulation (DOD 7000.14–R).

(d) SUBMITTAL OF REPORTS.—

(1) IN GENERAL.—The reports required under subsection (a) shall be submitted as follows:

(A) The first such report shall be submitted by not later than February 1, 2023.

(B) A report shall be submitted at the same time as each of the first three reports required under section 118c(e) of title 10, United States Code, after the date of the enactment of this Act.

(2) TERMINATION OF REQUIREMENT.—No report shall be required to be submitted under this section after the date of the submittal of the third report under paragraph (1)(B).

# 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 2023 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. EQUIVALENT AUTHORITY FOR ENVIRONMENTAL RESTORATION PROJECTS AT NATIONAL GUARD TRAINING SITES.

(a) CLARIFICATION OF NATIONAL GUARD TRAINING SITES.—Section 2700 of title 10, United States Code, is amended by adding at the end the following new paragraph:

''(4) The term 'National Guard training site' means a facility or site when used for the training of the National Guard pursuant to chapter 5 of title 32 with funds provided by the Secretary of Defense or the Secretary of a military department, without regard to—

''(A) the owner or operator of the facility or site; or

''(B) whether the facility or site is under the jurisdiction of the Department of Defense or a military department.''.

(b) INCLUSION UNDER DEFENSE ENVIRONMENTAL RESTORATION PROGRAM.—Section 2701(a)(1) of such title is amended by inserting ''and at National Guard training sites'' after ''at facilities under the jurisdiction of the Secretary''.

(c) RESPONSE ACTIONS AT NATIONAL GUARD TRAINING SITES.—Section 2701(c)(1) of such title is amended by adding at the end the following new subparagraph:

''(D) Each facility or site which was a National Guard training site at the time of actions leading to contamination by hazardous substances or pollutants or contaminants.''.

(d) TECHNICAL AND CONFORMING AMENDMENTS.—

(1) REPEAL OF PROVISION.—Section 2707 of such title is amended by striking subsection (e).

(2) REFERENCE UPDATE.—Section 345(f)(1) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1646; 10 U.S.C. 2715 note) is amended by striking ''facility where military activities are conducted by the National Guard of a State pursuant to section 2707(e) of title 10, United States Code'' and inserting ''National Guard training site, as such term is defined in section 2700 of title 10, United States Code''.

**SEC. 312. AMENDMENT TO BUDGETING OF DEPARTMENT OF DEFENSE RELATING TO EXTREME WEATHER.**

Section 328(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 221 note) is amended—

(1) in paragraph (1), by striking ''; and'' and inserting a semicolon;

(2) in paragraph (2), by striking the period at the end and inserting ''; and''; and

(3) by inserting after paragraph (2) the following:

''(3) a calculation of the annual costs to the Department for assistance provided to—

''(A) the Federal Emergency Management Agency or Federal land management agencies—

''(i) pursuant to requests for such assistance; and

''(ii) approved under the National Interagency Fire Center; and

''(B) any State, Territory, or possession under title 10 or title 32, United States Code, regarding extreme weather.''.

**SEC. 313. PROTOTYPE AND DEMONSTRATION PROJECTS FOR ENERGY RESILIENCE AT CERTAIN MILITARY INSTALLATIONS.**

(a) IN GENERAL.—Each Secretary of a military department shall ensure that covered prototype and demonstration projects are conducted at each military installation designated by that Secretary as an ''Energy Resilience Testbed'' pursuant to subsection (b).

(b) SELECTION OF MILITARY INSTALLATIONS.—

(1) SELECTION.—Not later than 180 days after the date of the enactment of this Act, each Secretary of a military department, in consultation with the Secretary of the Defense, shall—

(A) select at least two military installations under the jurisdiction of that Secretary for designation pursuant to paragraph (3); and

(B) incorporate the conduct of covered prototype and demonstration projects into the mission of each installation so selected.

(2) CONSIDERATIONS.—In selecting military installations under paragraph (1), each Secretary of a military department shall, to the extent practicable, take into consideration the following:

(A) The mission of the installation.

(B) The geographic terrain of the installation and of the community surrounding the installation.

(C) The energy resources available to support the installation.

(D) Any State or local regulations that apply with respect to public or private utilities serving the installation.

(E) An assessment of any climate or extreme weather risks or vulnerabilities at the installation and the community surrounding the installation.

(3) DESIGNATION AS ENERGY RESILIENCE TESTBED.—Each installation selected under paragraph (1) shall be known as an ''Energy Resilience Testbed''.

(c) COVERED TECHNOLOGIES.—Covered prototype and demonstration projects conducted at military installations designated pursuant to subsection (b) shall include the prototype and demonstration of technologies in the following areas:

(1) Energy storage technologies, including long-duration energy storage systems.

(2) Technologies that support electric vehicles or the transition to use of electric vehicles, including with respect to tactical vehicles.

(3) Technologies to improve building energy efficiency in a cyber-secure manner, such as advanced lighting controls, high-performance cooling systems, and technologies for waste heat recovery.

(4) Technologies to improve building energy management and control in a cyber-secure manner.

(5) Tools and processes for design, assessment, and decision-making on the installation with respect to climate resilience and hazard analysis, energy use, management, and the construction of climate resilient buildings and infrastructure.

(6) Carbon sequestration technologies.

(7) Technologies relating to on-site resilient energy generation, including advanced geothermal and advanced nuclear technologies.

(8) Port electrification and surrounding defense critical infrastructure and related non-Federal infrastructure, including surrounding defense community infrastructure.

(d) BRIEFING.—Not later than 180 days after the enactment of this Act, the Secretary of Defense, in consultation with the Secretaries of the military departments,

shall provide to the appropriate congressional committees a briefing on the conduct of covered prototype and demonstration projects at each military installation designated pursuant to subsection (b). Such briefing shall include the following:

(1) An identification of each military installation so designated.

(2) A justification as to why each military installation so designated was selected for such designation.

(3) A strategy for commencing the conduct of such projects at each military installation so designated by not later than one year after the date of the enactment of this Act.

(e) DEADLINE FOR COMMENCEMENT OF PROJECTS.—The Secretary of Defense shall ensure that, beginning not later than one year after the date of the enactment of this Act, covered prototype and demonstration projects are conducted at, and such conduct is incorporated into the mission of, each military installation designated pursuant to subsection (b).

(f) CONSORTIUMS.—

(1) IN GENERAL.—Each Secretary of a military department may enter into a partnership with, or seek to establish, a consortium of industry, aca-

demia, and other entities described in paragraph (2) to conduct covered prototype and demonstration projects at a military installation designated by that Secretary pursuant to subsection (b).

(2) CONSORTIUM ENTITIES.—The entities described in this paragraph are as follows:

(A) National laboratories.

(B) Industry entities the primary work of which relates to energy and climate security technologies and business models.

(g) AUTHORITIES.—

(1) IN GENERAL.—Covered prototype and demonstration projects required under this section may be conducted as part of the program for operational energy prototyping established under section 324(c) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3523; 10 U.S.C. 2911 note) (including by using funds available under the Operational Energy Prototyping Fund established pursuant to such section), using the other transactions authority under section 4021 or 4022 of title 10, United States Code, or using any other available authority or funding source the Secretary of Defense determines appropriate.

(2) FOLLOW-ON PRODUCTION CONTRACTS OR TRANSACTIONS.—Each Secretary of a military department shall ensure that, to the extent practicable, any transaction entered into under the other transactions authority under section 4022 of title 10, United States Code, for the conduct of a covered prototype and demonstration project under this section shall provide for the award of a follow-on production contract or transaction pursuant to subsection (f) of such section 4022.

(h) INTERAGENCY COLLABORATION.—In carrying out this section, to the extent practicable, the Secretary of Defense shall collaborate with the Secretary of Energy and the heads of such other Federal departments and agencies as the Secretary of Defense may determine appropriate, including by entering into relevant memoranda of understanding.

(i) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the Committee on Armed Services and the Committee on Energy and Commerce of the House of Representatives; and

(B) the Committee on Armed Services and the Committee on Energy and Natural Resources of the Senate.

(2) The term ''community infrastructure'' has the meaning given that term in section 2391(e) of tile 10, United States Code.

(3) The term ''covered prototype and demonstration project'' means a project to prototype and demonstrate advanced technologies to enhance energy resilience and climate security at a military installation.

(4) The term ''military installation'' has the meaning given that term in section 2867 of title 10, United States Code.

**SEC. 314. PILOT PROGRAM FOR TRANSITION OF CERTAIN NONTACTICAL VEHICLE FLEETS OF DEPARTMENT OF DEFENSE TO ELECTRIC VEHICLES.**

(a) IN GENERAL.—The Secretary of Defense, in coordination with the Secretaries of the military departments, and in consultation with the Secretary of Energy, shall carry out a pilot program to facilitate the transition of nontactical vehicle fleets of the Department of Defense at certain military installations to nontactical vehicle fleets comprised solely of electric vehicles, including through the maintenance on the installations of charging stations,

microgrids, and other covered infrastructure sufficient to cover the energy demand of such fleets.

(b) SELECTION OF MILITARY INSTALLATIONS.—

(1) SELECTION.—Not later than 180 days after the date of the enactment of this Act, each Secretary of a military department shall—

(A) select at least one military installation of each Armed Force under the jurisdiction of that Secretary at which to carry out the pilot program under subsection (a); and

(B) submit to the Committees on Armed Services of the House of Representatives and the Senate a notification containing an identification of each such selected installation.

(2) PRIORITY.—In selecting military installations under paragraph (1), each Secretary of a military department shall give priority to the following:

(A) Military installations with existing third-party financed, installed, operated, and maintained charging stations on the installation.

(B) Military installations with other existing covered infrastructure, including charging stations under ownership methods other than

those specified in subparagraph (A), on the installation.

(C) Military installations located in a geographic region with existing covered infrastructure, including charging stations, proximate to the installation.

(D) Military installations with respect to which the Secretary determines the future inclusion on the installation of charging stations and other covered infrastructure is feasible and cost effective given the anticipated need for charging stations to service electric vehicles in the nontactical vehicle fleet at the installation (including those with respect to which the Secretary determines there may be an opportunity to enter into a contract for the third-party charging stations specified in subparagraph (A)).

(E) Military installations at which a project authorized under section 2914 of title 10, United States Code, (known as the Energy Resilience and Conservation Investment Program) and determined by the Secretary to be relevant to the pilot program has been conducted or is planned to be conducted pursuant

to the future-years defense program submitted under section 221 of such title.

(3) CONSIDERATIONS.—In determining whether a military installation should receive priority pursuant to paragraph (2)(D), each Secretary of a military department shall take into account the following:

(A) A calculation of existing loads at the installation and the existing capacity of the installation for the charging of electric vehicles, including (as applicable) light duty trucks.

(B) The availability of adequate space for vehicles awaiting charging during peak usage times, as determined by the Secretary.

(C) Any required upgrades to covered infrastructure on the installation, including electrical wiring, anticipated by the Secretary.

(c) TRANSITION PLANS.—

(1) IN GENERAL.—Not later than one year after the date on which a Secretary of a military department submits a notification identifying a military installation under subsection (b)(1), that Secretary shall submit to the Committees on Armed Services of the House of Representatives and the Senate a plan for—

(A) the replacement of all vehicles in the nontactical vehicle fleet at the military installation with electric vehicles by January 1, 2025; and

(B) the maintenance on the military installation of charging stations and other covered infrastructure, including a microgrid, that will be sufficient—

(i) to cover the anticipated electricity demand of such electric vehicles; and

(ii) to improve installation energy resilience.

(2) ELEMENTS.—Each plan under paragraph (1) shall include, with respect to the military installation covered by the plan, the following:

(A) A determination of the type and number of charging stations to include on the installation, taking into account the interoperability of chargers and the potential future needs or applications for chargers, such as vehicle-to-grid or vehicle-to-building applications.

(B) A determination of the optimal ownership method to provide charging stations on the installation, taking into account the following:

(i) Use of Government-owned (purchased, installed, and maintained) charging stations.

(ii) Use of third-party financed, installed, operated, and maintained charging stations.

(iii) Use of financing models in which energy and charging infrastructure operations and maintenance are treated as a service.

(iv) Cyber and physical security considerations and best practices associated with different ownership, network, and control models.

(C) A determination of the optimal power source to provide charging stations at the installation, taking into account the following:

(i) Transformer and substation requirements.

(ii) Microgrids and distributed energy to support both charging requirements and energy storage.

(3) SOURCE OF SERVICES.—Each Secretary of a military department may use expertise within the military department or enter into a contract with a

non-Department of Defense entity to make the determinations specified in paragraph (2).

(d) FINAL DEADLINE FOR REPLACEMENT.—Beginning not later than January 1, 2025, all vehicles in the nontactical vehicle fleet at each military installation selected under subsection (b) shall be electric vehicles.

(e) DEFINITIONS.—In this section:

(1) The terms ''Armed Forces'' and ''military departments'' have the meanings given those terms in section 101 of title 10, United States Code.

(2) The term ''charging station'' means a collection of one or more electric vehicle supply equipment units.

(3) The term ''covered infrastructure''—

(A) means infrastructure that the Secretary of Defense determines may be used to—

(i) charge electric vehicles, including by transmitting electricity to such vehicles directly; or

(ii) support the charging of electric vehicles, including by supporting the resilience of grids or other systems for delivering energy to such vehicles (such as through the mitigation of grid stress); and

(B) includes—

(i) charging stations;

(ii) batteries;

(iii) battery-swapping systems;

(iv) microgrids;

(v) off-grid charging systems; and

(vi) other apparatuses installed for the specific purpose of delivering energy to an electric vehicle or to a battery intended to be used in an electric vehicle.

(4) The term ''electric vehicle'' includes—

(A) a plug-in hybrid electric vehicle that uses a combination of electric and gas powered engine that can use either gasoline or electricity as a fuel source; and

(B) a plug-in electric vehicle that runs solely on electricity and does not contain an internal combustion engine or gas tank.

(5) The term ''electric vehicle supply equipment unit'' means the port that supplies electricity to one vehicle at a time.

(6) The term ''microgrid'' means a group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid.

(7) The term ''military installation'' has the meaning given that term in section 2801 of title 10, United States Code.

(8) The term ''nontactical vehicle'' means a vehicle other than a tactical vehicle.

(9) The term ''tactical vehicle'' means a motor vehicle designed to military specification, or a commercial design motor vehicle modified to military specification, to provide direct transportation support of combat or tactical operations, or for the training of personnel for such operations.

**SEC. 315. PILOT PROGRAM ON USE OF SUSTAINABLE AVIATION FUEL.**

(a) IN GENERAL.—The Secretary of Defense shall conduct a pilot program at two or more geographically diverse Department of Defense facilities for the use of sustainable aviation fuel. Such program shall be designed to—

(1) identify any logistical challenges with respect to the use of sustainable aviation fuel by the Department of Defense; and

(2) explore opportunities for collaboration with nearby commercial airports and sustainable aviation fuel refinery facilities to facilitate such use.

(b) SELECTION OF FACILITIES.—

(1) SELECTION.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall select at least two geographically diverse Department facilities at which to carry out the pilot program. At least one such facility shall be a facility with an onsite refinery that is located in proximity to at least one major commercial airport that is also actively seeking to increase the use of sustainable aviation fuel.

(2) NOTICE TO CONGRESS.—Upon the selection of each facility under paragraph (1), the Secretary shall submit to the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives notice of the selection, including an identification of the facility selected.

(c) CERTIFICATION AND USE OF BLENDED SUSTAINABLE AVIATION FUEL.—

(1) PLANS.—For each facility selected under subsection (b), not later than one year after the selection of the facility, the Secretary shall—

(A) develop a plan on how to implement, by September 30, 2028, a certification program under which aviation fuel must be certified as blended to contain at least 10 percent sustain-

able aviation fuel as a requirement for use of the aviation fuel at the facility (in addition to any other fuel certification requirement of the Department of Defense or the Armed Forces);

(B) submit the plan to the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives; and

(C) provide to such Committees a briefing on the plan that includes, at a minimum—

(i) a description of any operational, infrastructure, or logistical requirements and recommendations for the blending, certification, and use of sustainable aviation fuel; and

(ii) a description of any stakeholder engagement in the development of the plan, including any consultations with nearby commercial airport owners or operators.

(2) IMPLEMENTATION OF PLANS.—For each facility selected under subsection (b), during the period beginning on a date that is not later than September 30, 2028, and for five years thereafter, the Secretary shall require, in accordance with the re-

spective plan developed under paragraph (1), the exclusive use at the facility of aviation fuel that has been certified as blended to contain at least 10 percent sustainable aviation fuel.

(d) CRITERIA FOR SUSTAINABLE AVIATION FUEL.—Sustainable aviation fuel used under the pilot program shall meet the following criteria:

(1) Such fuel shall be produced in the United States from non-food domestic feedstock sources.

(2) Such fuel shall constitute drop-in fuel that meets all specifications and performance requirements of the Department of Defense and the Armed Forces.

(e) WAIVER.—The Secretary may waive the requirement for the exclusive use at the facility of aviation fuel that has been certified as blended to contain at least 10 percent sustainable aviation fuel under the pilot program if the Secretary—

(1) determines such use is not feasible due to a lack of domestic availability of sustainable aviation fuel or a national security contingency; and

(2) submits to the congressional defense committees notice of such waiver and the reasons for such waiver.

(f) FINAL REPORT.—At the conclusion of the pilot program, the Assistant Secretary of Defense for Energy, Installations, and Environment shall submit to the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a final report on the pilot program. Such report shall include each of the following:

(1) An assessment of the effect of using sustainable aviation fuel on the overall fuel costs of blended fuel.

(2) A description of any operational, infrastructure, or logistical requirements and recommendations for the blending, certification, and use of sustainable aviation fuel, with a focus on scaling up military-wide adoption of such fuel.

(3) Recommendations with respect to how military installations can leverage proximity to commercial airports and other jet fuel consumers to increase the rate of use of sustainable aviation fuel, for both military and non-military use, including potential collaboration on innovative financing or purchasing and shared supply chain infrastructure.

(4) A description of the effects on performance and operation aircraft using sustainable aviation fuel including—

(A) if used, considerations of various blending ratios and their associated benefits;

(B) efficiency and distance improvements of flights fuels using sustainable aviation fuel;

(C) weight savings on large transportation aircraft and other types of aircraft with using blended fuel with higher concentrations of sustainable aviation fuel;

(D) maintenance benefits of using sustainable aviation fuel, including engine longevity;

(E) the effect of the use of sustainable aviation fuel on emissions and air quality;

(F) the effect of the use of sustainable aviation fuel on the environment and on surrounding communities, including environmental justice factors that are created by the demand for and use of sustainable aviation fuel by the Department of Defense; and

(G) benefits with respect to job creation in the sustainable aviation fuel production and supply chain.

(g) SUSTAINABLE AVIATION FUEL DEFINED.—In this section, the term ''sustainable aviation fuel'' means liquid fuel that—

(1) consists of synthesized hydrocarbon;

(2) meets the requirements of—

(A) ASTM International Standard D7566 (or such successor standard); or

(B) the co-processing provisions of ASTM International Standard D1655, Annex A1 (or such successor standard);

(3) is derived from biomass (as such term is defined in section 45K(c)(3) of the Internal Revenue Code of 1986), waste streams, renewable energy sources, or gaseous carbon oxides;

(4) is not derived from palm fatty acid distillates; and

(5) conforms to the standards, recommended practices, requirements and criteria, supporting documents, implementation elements, and any other technical guidance, for sustainable aviation fuels that are adopted by the International Civil Aviation Organization with the agreement of the United States.

**SEC. 316. POLICY TO INCREASE DISPOSITION OF SPENT ADVANCED BATTERIES THROUGH RECYCLING.**

(a) POLICY REQUIRED.—Not later than one year after the date of the enactment of this Act, the Assistant Secretary of Defense for Energy, Installations, and Environment, in coordination with the Director of the Defense

Logistics Agency, shall establish a policy to increase the disposition of spent advanced batteries of the Department of Defense through recycling (including by updating the Department of Defense Manual 4160.21, titled ''Defense Material Disposition: Disposal Guidance and Procedures'', or such successor document, accordingly), for the purpose of supporting the reclamation and return of precious metals, rare earth metals, and elements of strategic importance (such as cobalt and lithium) into the supply chain or strategic reserves of the United States.

(b) CONSIDERATIONS.—In developing the policy under subsection (a), the Assistant Secretary shall consider, at a minimum, the following recycling methods:

(1) Pyroprocessing.

(2) Hydroprocessing.

(3) Direct cathode recycling, relithiation, and upcycling.

**SEC. 317. GUIDANCE AND TARGET DEADLINE RELATING TO FORMERLY USED DEFENSE SITES PROGRAMS.**

(a) GUIDANCE RELATING TO SITE PRIORITIZATION.—The Assistant Secretary of Defense for Energy, Installations, and Environment shall issue guidance setting forth how, in prioritizing sites for activities funded under the ''Environmental Restoration Account,

Formerly Used Defense Sites'' account established under section 2703(a)(5) of title 10, United States Code, the Assistant Secretary shall weigh the relative risk or other factors between Installation Restoration Program sites and Military Munitions Response Program sites.

(b) TARGET DEADLINE FOR MILITARY MUNITIONS RESPONSE PROGRAM.—The Assistant Secretary of Defense for Energy, Installations, and Environment shall establish a target deadline for the completion of the cleanup of all Military Munitions Response Program sites.

**SEC. 318. BUDGET INFORMATION FOR ALTERNATIVES TO BURN PITS.**

The Secretary of Defense shall include in the budget materials submitted to Congress in support of the Department of Defense budget for fiscal year 2024 (as submitted with the budget of the President for such fiscal year under section 1105(a) of title 31, United States Code) a dedicated budget line item for incinerators and waste-to-energy waste disposal alternatives to burn pits.

# Subtitle C—Red Hill Bulk Fuel Facility

**SEC. 331. DEFUELING OF RED HILL BULK FUEL STORAGE FACILITY.**

(a) DEADLINE FOR COMPLETION OF DEFUELING.—

(1) IN GENERAL.—Subject to the certification requirement under subsection (e), the Secretary of the Navy, in cooperation with the Director of the Defense Logistics Agency, shall complete the defueling of the Red Hill Bulk Fuel Storage Facility by not later than December 31, 2023.

(2) REPORT.—Not later than December 31, 2022, the Secretary of the Navy shall submit to the congressional defense committees, and make publicly available on an appropriate website of the Department of Defense, a report on the status of the defueling of the Red Hill Bulk Fuel Storage Facility.

(b) COMPLIANCE WITH APPLICABLE LAWS.—The Secretary of the Navy, in coordination with the Administrator of the Environmental Protection Agency and the State of Hawaii, shall plan for and implement the defueling of the Red Hill Bulk Fuel Facility in a manner that complies with all applicable laws.

(c) MITIGATION PLAN.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of the Navy shall make publicly available an unclassified report containing the plan of the Secretary for actions to be taken to mitigate the im-

pacts caused by releases at the Red Hill Bulk Fuel Storage Facility, together with cost estimates for such actions.

(2) BRIEFING.—Not later than one year after the date of the enactment of this Act, the Secretary of the Navy shall provide to the congressional defense committees a briefing on the actions and cost estimates included in the plan required under paragraph (1).

(d) OVERSIGHT REQUIREMENTS.—

(1) REVIEW.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into an agreement with an appropriate independent entity under which the entity agrees to conduct a review of the defueling process for the Red Hill Bulk Fuel Storage Facility.

(2) REPORTING REQUIREMENTS.—An agreement entered into under paragraph (1) shall provide that the non-Department of Defense entity shall produce and make publicly available, by not later than 30 days after the completion of the defueling of the Red Hill Bulk Fuel Storage Facility, an unclassified report on the defueling process.

(e) CERTIFICATION REQUIREMENT.—The Secretary of the Navy may not begin the process of defueling the

Red Hill Bulk Storage Facility before the date on which the Secretary of Defense submits to the congressional defense committees certification that such defueling would not adversely affect the ability of the Department of Defense to provide fuel to support military operations in the area of responsibility of the United States Indo-Pacific Command.

(f) WAIVER.—

(1) IN GENERAL.—The Secretary of Defense may waive the deadline under subsection (a)(1) for a period of not more than 180 days if the Secretary submits to the congressional defense committees certification in writing that—

(A) the Red Hill Bulk Fuel Storage Facility cannot be defueled safely and in an environmentally sound manner before the deadline; or

(B) the State of Hawaii Department of Health objects to the defueling of the Facility.

(2) EXTENSIONS.—The Secretary may extend a waiver issued under paragraph (1) if the Secretary submits to the congressional defense committees an additional certification described in paragraph (1) and a justification for the extension of the waiver.

**SEC. 332. ACTIVITIES PRIOR TO DECOMMISSIONING OF RED HILL BULK STORAGE FACILITY.**

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2023 may be obligated or expended to permanently close the Red Hill Bulk Fuel Storage Facility until the date that is one year after the date on which the Secretary of Defense, in consultation with the Commander of United States Indo-Pacific Command, submits to the congressional defense committees—

(1) the report required under subsection (b); and

(2) certification that—

(A) a fuel capacity that is equivalent to the capacity provided by the Red Hill Bulk Fuel Storage Facility has been added to the fuel capacity of United States Indo-Pacific Command; and

(B) the bulk fuel requirements of United States Indo-Pacific Command have been fully programmed for funding in the five fiscal years following the year in which the certification is submitted.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of the Defense shall submit to the congressional defense committees a report on the costs associated with replacing the Red Hill Bulk Fuel Storage Facility.

(2) ELEMENTS.—The report required by paragraph (1) shall include each of the following:

(A) Detailed plans for how the Department of Defense will replicate the aggregate bulk fuel storage capacity of the Red Hill Bulk Fuel Storage Facility throughout the Indo-Pacific region, including on United States territories and possessions, as appropriate, in both steady state and in a major conflict lasting not less than 180 days, including through the use of—

(i) fleet oilers;

(ii) fuel bladders;

(iii) above ground storage facilities; and

(iv) hardened storage facilities.

(B) An identification of—

(i) any additional costs to the Department of acquiring or building the assets planned to replicate such fuel storage ca-

pacity and of obtaining any required environmental approvals to operate such assets; and

(ii) the timelines associated with acquiring or building such assets and obtaining such approvals.

(C) An analysis of the relative survivability, reliability, risks, and any advantages associated with the assets planned to replicate such fuel storage capacity, including any changes necessary for the operational plans of the Department compared to such operational plans as in effect when the Red Hill Bulk Fuel Storage Facility was operational.

(D) An identification of the cost to the Department of maintaining the Red Hill Bulk Fuel Storage Facility in an empty but rapidly reconstitutable state.

(E) Any other matters the Secretary of the Defense considers relevant.

(c) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to affect the authority of the Secretary of Defense or the Secretary of the Navy to conduct any of the following at Red Hill Bulk Fuel Storage Facility:

(1) Defueling activities.

(2) Remedial investigations.

(3) Site or safety inspections.

(4) Feasibility studies.

(5) Safety related repairs.

(6) Monitoring.

(7) Transferring of fuel.

(8) Maintenance and sustainment activities.

**SEC. 333. LIMITATION ON USE OF FUNDS PENDING AWARD OF CERTAIN PROJECTS AND IMPLEMENTATION OF CERTAIN RECOMMENDATIONS.**

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for operations and maintenance, Navy, Administration line item, Line 440, not more than 25 percent may be obligated or expended until the date on which the Secretary of the Navy certifies to the congressional defense committees that the Navy has awarded the projects listed within Chapter 8.1.1, Table 8-1, and implemented the recommendation listed as D1 within Appendix A.1 and Appendix A.2, of the document prepared by Simpson Gumpertz & Heger Inc, entitled ''Final Assessment Report: Assessment of Red Hill Underground Fuel Storage Facility Pearl Harbor, Hawaii'' and dated April 29, 2022.

**SEC. 334. PLACEMENT OF SENTINEL OR MONITORING WELLS IN PROXIMITY TO RED HILL BULK FUEL FACILITY.**

(a) IN GENERAL.—Not later than April 1, 2023, the Secretary of Defense, in coordination with the Director of the United States Geological Survey and the Administrator of the Environmental Protection Agency, shall submit to the congressional defense committees a report on the placement of sentinel or monitoring wells in proximity to the Red Hill Bulk Fuel Facility for the purpose of monitoring and tracking the movement of fuel that has escaped the Facility. Such report shall include—

(1) the number and location of new wells that have been established during the 12-month period preceding the date of the submission of the report;

(2) an identification of the wells proposed to be established by the aquifer recovery working group;

(3) an analysis of the need for any wells not recommended by the aquifer recovery working group;

(4) the proposed number and location of any such additional wells; and

(5) the priority level of each proposed well based on—

(A) the optimal locations for new wells; and

(B) the capability of a proposed well to assist in monitoring and tracking the movement of fuel toward the Halawa shaft, the Halawa Well, and the Aiea Well.

(b) QUARTERLY BRIEFINGS.—Not later than 30 days after the submission of the report under subsection (a), and every 90 days thereafter for 12 months, the Secretary of Defense shall provide to the congressional defense committees a briefing on the progress of the Department toward installing the wells described in paragraphs (2) and (3) of subsection (a).

**SEC. 335. REPORT ON DEPARTMENT OF DEFENSE EFFORTS TO TRACK HEALTH IMPLICATIONS OF FUEL LEAKS AT RED HILL BULK FUEL FACILITY.**

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Director of the Centers for Disease Control and Prevention and the Administrator of the Environmental Protection Agency, shall submit to the appropriate congressional committees a report on the efforts of the Secretary to appropriately track the health implications of fuel leaks from the Red Hill Bulk Fuel Facility for members of the Armed Forces and their dependents, including members and dependents from each Armed

Force, including the Coast Guard. The report shall include each of the following:

(1) A plan to coordinate with the Centers for Disease Control and Prevention to align with the environmental health assessment and monitoring efforts of the Centers.

(2) A description of any potential benefits of coordinating and sharing data with the State of Hawaii Department of Health.

(3) An analysis of the extent to which data from the State of Hawaii Department of Health and data from other non-Department of Defense sources can and should be used in any long-term health study relating to fuel leaks from the Red Hill Bulk Fuel Facility.

(4) A description of the potential health implications of contaminants, including fuel, found in the drinking water distribution system at the Red Hill Bulk Fuel Facility during testing after the fuel leaks that occurred in May and November 2021.

(5) A description of any contaminants, including fuel, detected in the water during the 12-month period preceding the fuel leak that occurred in November 2021.

(6) A description of any potential benefits of broadening the tracing window to include indications of contaminants, including fuel, in the drinking water supply at the Red Hill Bulk Fuel Facility before May 2021.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees;

(2) the Committee on Energy and Commerce of the House of Representatives; and

(3) the Committee on Energy and Natural Resources of the Senate.

**SEC. 336. STUDIES RELATING TO WATER NEEDS OF THE ARMED FORCES ON OAHU.**

(a) STUDY ON FUTURE WATER NEEDS OF OAHU.—

(1) IN GENERAL.—Not later than July 31, 2023, the Secretary of the Defense, in coordination with the Honolulu Board of Water Supply, shall conduct a study on how the Department of Defense can best address the future water needs on the island of Oahu for the Armed Forces. Such study shall include consideration of—

(A) the construction of a new water treatment plant or plants;

(B) the construction of a new well for use by members of the Armed Forces and the civilian population;

(C) the construction of a new well for the exclusive use of members of the Armed Forces;

(D) transferring ownership and operation of existing Department of Defense utilities to a municipality or existing publicly owned utility;

(E) conveying the Navy utilities to the Honolulu Board of Water Supply, with consideration; and

(F) any other water solutions the Secretary determines appropriate.

(2) COORDINATION.—In carrying out the study under paragraph (1), the Secretary shall coordinate with the State of Hawaii, the Honolulu Board of Water Supply, the Secretary of the Department in which the Coast Guard is operating, the Administrator of the Environmental Protection Agency, and any other individual or entity the Secretary determines appropriate.

(b) HYDROLOGICAL STUDY.—

(1) IN GENERAL.—Not later than July 31, 2023, the Secretary of Defense shall enter into an agreement with the Administrator of the Environ-

mental Protection Agency and the Director of the United States Geological Survey, in consultation with the State of Hawaii, to perform a study to model the groundwater flow in the area surrounding the Red Hill Bulk Fuel Storage Facility. The model shall be designed to—

(A) seek to improve the understanding of the direction and rate of groundwater flow and dissolved constituent migration within the aquifers around the facility;

(B) reflect site specific data, including available data of the heterogeneous subsurface geologic system; and

(C) address any previously identified deficiencies in existing groundwater flow models.

(2) DEADLINE FOR COMPLETION.—The study under paragraph (1) shall be completed by not later than one year after the date of the enactment of this Act.

(c) REPORT; BRIEFING.—

(1) IN GENERAL.—Upon completion of the studies under subsections (a) and (b), the Secretary shall—

(A) submit to the appropriate congressional committees a report on the findings of the studies; and

(B) provide to such committees a briefing on such findings.

(2) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this subsection, the term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Transportation and Infrastructure and the Committee on Energy and Commerce of the House of Representatives; and

(C) the Committee on Commerce, Science, and Transportation and the Committee on Environment and Public Works of the Senate.

**SEC. 337. STUDY ON ALTERNATIVE USES FOR RED HILL BULK FUEL FACILITY.**

(a) STUDY REQUIRED.—

(1) 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 an agreement with a federally funded research and development center that meets the criteria specified in paragraph (2) under which such center will conduct a study to

determine the range of feasible alternative Department of Defense uses for the Red Hill Bulk Fuel Facility and provide to the Secretary a report on the findings of the study. The conduct of such study shall include—

(A) engagement with stakeholders;

(B) a review of historical alternative uses of facilities with similar characteristics; and

(C) such other modalities as determined necessary to appropriately identify alternative use options, including data and information collected from various stakeholders and through site visits to physically inspect the facility.

(2) CRITERIA FOR FFRDC.—The federally funded research and development center with which the Secretary seeks to enter into an agreement under paragraph (1) shall meet the following criteria:

(A) A primary focus on studies and analysis.

(B) A record of conducting research and analysis using a multidisciplinary approach.

(C) Demonstrated specific competencies in—

(i) life cycle cost-benefit analysis;

(ii) military facilities and how such facilities support missions; and

(iii) the measurement of environmental impacts.

(D) A strong reputation for publishing publicly releasable analysis to inform public debate.

(b) COST-BENEFIT ANALYSIS.—An agreement entered into pursuant to subsection (a) shall specify that the study conducted under the agreement will include a cost-benefit analysis of the feasible Department of Defense alternative uses considered under the study. Such cost-benefit analysis shall cover each of the following for each such alternative use:

(1) The design and construction costs.

(2) Life-cycle costs, including the operation and maintenance costs of operating the facility, such as annual operating costs, predicted maintenance costs, and any disposal costs at the end of the useful life of the facility.

(3) Any potential military benefits.

(4) Any potential benefits for the local economy, including any potential employment opportunities for members of the community.

(5) A determination of environmental impact analysis requirements.

(6) The effects of the use on future mitigation efforts.

(7) Any additional factors determined to be relevant by the federally funded research and development center in consultation with the Secretary.

(c) DEADLINE FOR COMPLETION.—An agreement entered into pursuant to subsection (a) shall specify that the study conducted under the agreement shall be completed by not later than February 1, 2024.

(d) BRIEFING.—Upon completion of a study conducted under an agreement entered into pursuant to subsection (a), the Secretary shall provide to the Committees on Armed Services of the Senate and House of Representatives a briefing on the findings of the study.

(e) PUBLIC AVAILABILITY.—

(1) FFRDC.—An agreement entered into pursuant to subsection (a) shall specify that the federally funded research and development center shall make an unclassified version of the report provided to the Secretary publicly available on an appropriate website of the center.

(2) DEPARTMENT OF DEFENSE.—Upon receipt of such report, the Secretary shall make an unclassi-

fied version of the report publicly available on an appropriate website of the Department of Defense.

# Subtitle D—Treatment of Perfluoroalkyl Substances and Polyfluoroalkyl Substances

### SEC. 341. PRIZES FOR DEVELOPMENT OF NON-PFAS-CONTAINING TURNOUT GEAR.

Section 330 of the National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3528; 10 U.S.C. 2661 note prec.) is amended—

(1) in subsection (a)—

(A) by striking ''of a non-PFAS-containing'' and inserting ''of the following:''

''(1) A non-PFAS-containing''; and

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

''(2) Covered personal protective firefighting equipment that does not contain an intentionally added perfluoroalkyl substance or polyfluoroalkyl substance.''; and

(2) by amending subsection (f) to read as follows:

''(f) DEFINITIONS.—In this section:

''(1) The term 'perfluoroalkyl substance' means a man-made chemical of which all of the carbon atoms are fully fluorinated carbon atoms.

''(2) The term 'polyfluoroalkyl substance' means a man-made chemical containing at least one fully fluorinated carbon atom and at least one non-fully fluorinated carbon atom.

''(3) The term 'covered personal protective fire-fighting equipment'' means the following:

''(A) Turnout gear jacket or coat.

''(B) Turnout gear pants.

''(C) Turnout coveralls.

''(D) Any other personal protective fire-fighting equipment, as determined by the Secretary of Defense, in consultation with the Administrator of the United States Fire Administration.''.

**SEC. 342. MODIFICATION TO RESTRICTION ON DEPARTMENT OF DEFENSE PROCUREMENT OF CERTAIN ITEMS CONTAINING PERFLUOROOCTANE SULFONATE OR PERFLUOROOCTANOIC ACID.**

(a) MODIFICATION.—Section 333 of the William M. (Mac) Thornberry National Defense Authorization Act for

Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3531, 10 U.S.C. 3063 note) is amended—

(1) in the section heading, by striking ''**PERFLUOROOCTANE SULFONATE OR PERFLUOROOCTANOIC ACID**'' and inserting ''**PERFLUOROALKYL SUBSTANCES OR POLYFLUOROALKYL SUBSTANCES**'';

(2) in subsection (a), by striking ''perfluorooctane sulfonate (PFOS) or perfluorooctanoic acid (PFOA)'' and inserting ''any perfluoroalkyl substance or polyfluoroalkyl substance''; and

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

''(b) DEFINITIONS.—In this section:

''(1) The term 'covered item' means the following:

''(A) Nonstick cookware or food service ware for use in galleys or dining facilities.

''(B) Food packaging materials.

''(C) Cleaning products, including floor waxes.

''(D) Carpeting.

''(E) Rugs, curtains, and upholstered furniture.

''(F) Sunscreen.

''(G) Shoes and clothing for which treatment with a perfluoroalkyl substance or polyfluoroalkyl substance is not necessary for an essential function.

''(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 at least one fully fluorinated carbon atom and at least one nonfluorinated carbon atom.''.

(b) REPORTS ON PROCUREMENT OF CERTAIN ITEMS WITHOUT INTENTIONALLY ADDED PERFLUOROALKYL SUBSTANCES OR POLYFLUOROALKYL SUBSTANCES.—Not later than 270 days after the date of the enactment of this Act, and annually thereafter, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report containing a detailed description of the following:

(1) Steps taken to identify covered items with any intentionally added perfluoroalkyl substance or polyfluoroalkyl substance procured by the Department of Defense.

(2) Steps taken to identify covered items without any intentionally added perfluoroalkyl substance or polyfluoroalkyl substance, and the vendors of such covered items, for procurement by the Department.

(3) Steps taken to limit the procurement by the Department of covered items with any intentionally added perfluoroalkyl substance or polyfluoroalkyl substance.

(4) Planned steps of the Department to limit the procurement of items with any intentionally added perfluoroalkyl substance or polyfluoroalkyl substance.

(c) DEFINITIONS.—In this section:

(1) The term ''covered item'' includes the following:

(A) Nonstick cookware or food service ware for use in galleys or dining facilities.

(B) Food packaging materials.

(C) Cleaning products, including floor waxes.

(D) Carpeting.

(E) Rugs, curtains, and upholstered furniture.

(F) Sunscreen.

(G) Shoes and clothing for which treatment with a perfluoroalkyl substance or polyfluoroalkyl substance is not necessary for an essential function.

(H) Such other items as may be determined by the Secretary of Defense.

(2) The terms ''perfluoroalkyl substance'' and ''polyfluoroalkyl substance'' have the meaning given such terms in section 333 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3531, 10 U.S.C. 3063 note), as amended by subsection (a).

**SEC. 343. PROHIBITION ON PURCHASE BY DEPARTMENT OF DEFENSE OF FIREFIGHTING EQUIPMENT CONTAINING PER- AND POLYFLUOROALKYL SUBSTANCES.**

(a) PROHIBITION ON PROCUREMENT.—Except as provided in subsection (d), beginning October 1, 2025, the Secretary of Defense may not enter into any contract for the purchase of personal protective firefighting equipment for use by firefighters of the Department of Defense if such equipment contains a per- or polyfluoroalkyl substance.

(b) IMPLEMENTATION.—The Secretary of Defense shall include the prohibition under subsection (a) in any contract for the purchase of personal protective firefighting equipment for use by firefighters of the Department of Defense.

(c) SAVINGS CLAUSE.—Nothing in this section shall be construed—

(1) to require the Secretary of Defense to test any piece of covered personal protective firefighting equipment to confirm the absence of per- and polyfluoroalkyl substances; or

(2) to affect existing inventories of personal protective firefighting equipment.

(d) LACK OF AVAILABILITY.—

(1) IN GENERAL.—If the Secretary of Defense determines that equipment described in paragraph (2) is not available for purchase by the Department of Defense, the requirement under subsection (a) shall not apply until such date as the Secretary determines that such equipment is available for purchase.

(2) EQUIPMENT DESCRIBED.—The equipment described in this paragraph is personal protective firefighting equipment that—

(A) does not contain a per- or polyfluoroalkyl substance;

(B) meets every applicable standard for personal protective firefighting equipment (other than a standard specifically relating to per- or polyfluoroalkyl substances); and

(C) is at least as protective as current personal protective firefighting equipment containing a per- or polyfluoroalkyl substance.

**SEC. 344. STANDARDS FOR RESPONSE ACTIONS WITH RESPECT TO PFAS CONTAMINATION.**

(a) IN GENERAL.—In conducting a response action to address perfluoroalkyl or polyfluoroalkyl substance contamination from Department of Defense or National Guard activities, the Secretary of Defense shall conduct such actions to achieve a level of such substances in the environmental media that meets or exceeds the most stringent of the following standards for each applicable covered PFAS substance in any environmental media:

(1) A State standard, 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)), that is in effect in the State in which the response action is being conducted, regardless of whether any agency

has made a determination under section 300.400(g) of title 40, Code of Federal Regulations, with respect to such standard for purposes of the response action.

(2) A Federal standard, as described in section 121(d)(2)(A)(i) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9621(d)(2)(A)(i)).

(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 ''covered PFAS substance'' means any of the following:

(A) Perfluorononanoic acid (PFNA).

(B) Perfluorooctanoic acid (PFOA).

(C) Perfluorohexanoic acid (PFHxA).

(D) Perfluorooctane sulfonic acid (PFOS).

(E) Perfluorohexane sulfonate (PFHxS).

(F) Perfluorobutane sulfonic acid (PFBS).

(G) Perfluoroheptanoic acid (PFHpA).

(H) Perfluorodecanoic acid (PFDA).

(I) Fluorotelomer sulfonamide betaine.

(2) The term ''response action'' means an action taken pursuant to section 104 of the Com-

prehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9604).

(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. 9601 et seq.).

**SEC. 345. LIST OF CERTAIN PFAS USES DEEMED ESSENTIAL; BRIEFINGS ON DEPARTMENT OF DEFENSE PROCUREMENT OF CERTAIN ITEMS CONTAINING PFOS OR PFOA.**

(a) LIST OF PFAS USES DEEMED ESSENTIAL.—Not later than June 1, 2023, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a list of each known use of per- or polyfluoroalkyl substances that the Secretary has deemed an essential use for which use of a replacement substance is impossible or impracticable. For each use so listed, the Secretary shall—

(1) identify why the use is essential; and

(2) provide a brief explanation as to why such replacement is impossible or impracticable, as the case may be.

(b) ANNUAL BRIEFINGS.—Not later than 270 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 House of Representatives and the Senate a briefing that includes a description of each of the following:

(1) Steps taken to identify covered items procured by the Department of Defense that contain perfluorooctane sulfonate (PFOS) or perfluorooctanoic acid (PFOA).

(2) Steps taken to identify products and vendors of covered items that do not contain PFOS or PFOA.

(3) Steps taken to limit the procurement by the Department of covered items that contain PFOS or PFOA.

(4) Steps the Secretary intends to take to limit the procurement of covered items that contain PFOS or PFOA.

(c) COVERED ITEM DEFINED.—In this section, the term ''covered item'' means—

(1) nonstick cookware or cooking utensils for use in galleys or dining facilities; and

(2) upholstered furniture, carpets, and rugs that have been treated with stain-resistant coatings.

# Subtitle E—Logistics and Sustainment

**SEC. 351. RESOURCES REQUIRED FOR ACHIEVING MATERIEL READINESS METRICS AND OBJECTIVES FOR MAJOR DEFENSE ACQUISITION PROGRAMS.**

(a) IN GENERAL.—Section 118 of title 10, United States Code, is amended:

(1) in subsection (d)(2), by striking ''objectives'' and inserting ''objectives, such as infrastructure, workforce, or supply chain considerations'';

(2) redesignating subsection (e) as subsection (f); and

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

''(e) FUNDING ESTIMATES.—Not later than five days after the date on which the Secretary of Defense submits to Congress the materials in support of the budget of the President for a fiscal year, the Director of Cost Assessment and Performance Evaluation shall submit to the congressional defense committees a comprehensive estimate of the funds necessary to meet the materiel readiness objectives required by subsection (c) through the period covered by the most recent future-years defense program. At a minimum, the Director shall provide, for each major

weapon system, by designated mission design series, variant, or class, a comprehensive estimate of the funds necessary to meet such objectives that—

''(1) have been obligated by subactivity group within the operation and maintenance accounts for the second fiscal year preceding the budget year;

''(2) the Director estimates will have been obligated by subactivity group within the operation and maintenance accounts by the end of the fiscal year preceding the budget year; and

''(3) have been budgeted and programmed across the future years defense program within the operation and maintenance accounts by subactivity group.''.

(b) PHASED IMPLEMENTATION.—The Director of Cost Assessment and Performance Evaluation, may meet the requirements of subsection (e) of section 118 of title 10, United States Code, as added by subsection (a), through a phased submission of the funding estimates required under such subsection. In conducting a phased implementation, the Director shall ensure that—

(1) for the budget request for fiscal year 2024, funding estimates are provided for a representative sample by military department of at least one-third of the major weapon systems;

(2) for the budget request for fiscal year 2025, funding estimates are provided for an additional one-third of the major weapon systems; and

(3) full implementation for all major weapons systems is completed not later than five days after the date on which the Secretary of Defense submits to Congress the materials in support of the budget of the President for fiscal year 2026.

**SEC. 352. ANNUAL PLAN FOR MAINTENANCE AND MODERNIZATION OF NAVAL VESSELS.**

(a) ANNUAL PLAN.—Section 231 of title 10, United States Code, is amended—

(1) in the heading, by inserting "**, maintenance, and modernization**" after "**construction**";

(2) by redesignating subsections (d) through (f) as subsections (e) through (g), respectively;

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

"(d) ANNUAL PLAN FOR MAINTENANCE AND MODERNIZATION OF NAVAL VESSELS.—In addition to the plan included under subsection (a)(1), the Secretary of Defense shall include with the defense budget materials for a fiscal year each of the following:

''(1) A plan for the maintenance and modernization of naval vessels that includes the following:

''(A) A forecast of the maintenance and modernization requirements for both the naval vessels in the inventory of the Navy and the vessels required to be delivered under the naval vessel construction plan under subsection (a)(1).

''(B) A description of the initiatives of the Secretary of the Navy to ensure that activities key to facilitating the maintenance and modernization of naval vessels (including with respect to increasing workforce and industrial base capability and capacity, shipyard level-loading, and facility improvements) receive sufficient resourcing, and are including in appropriate planning, to facilitate the requirements specified in subparagraph (A).

''(2) A certification by the Secretary that both the budget for that fiscal year and the future-years defense program submitted to Congress in relation to such budget under section 221 of this title provide for funding for the maintenance and modernization of naval vessels at a level that is sufficient for

such maintenance and modernization in accordance with the plan under paragraph (1).''; and

(4) in subsection (f), as redesignated by paragraph (2), by inserting '' and the plan and certification under subsection (d)'' after ''subsection (a)''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 9 of title 10, United States Code, is amended by striking the item relating to section 231 and inserting the following new item:

''231. Budgeting for construction, maintenance, and modernization of naval vessels: annual plan and certification.''.

**SEC. 353. INDEPENDENT STUDY RELATING TO FUEL DISTRIBUTION LOGISTICS ACROSS UNITED STATES INDO-PACIFIC COMMAND.**

(a) STUDY.—Not later than the 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 fuel distribution logistics in the area of responsibility of the United States Indo-Pacific Command.

(b) CRITERIA FOR FFRDC.—The federally funded research and development center with which the Secretary seeks to enter into an contract under subsection (a) shall meet the following criteria, as determined by the Secretary:

(1) A primary focus on the conduct of studies and analysis.

(2) A demonstrated record of conducting research and analysis using a multidisciplinary approach.

(3) A strong reputation for publishing publicly releasable analysis to inform public debate.

(c) ELEMENTS.—The study conducted pursuant to subsection (a) shall include, with respect to the area of responsibility of the United States Indo-Pacific Command, the following:

(1) An evaluation of the vulnerabilities associated with the production, refinement, and distribution of fuel by the Armed Forces during periods of conflict and in contested logistics environments within the area, including with respect to the capability of the Armed Forces to sustain operational flights by aircraft and joint force distributed operations.

(2) An assessment of potential adversary capabilities to disrupt such fuel distribution in the area through a variety of means, including financial means, cyber means, and conventional kinetic attacks.

(3) An assessment of any gaps in the capability or capacity of inter- or intra-theater fuel distribu-

tion, including any gaps relating to storage, transfer platforms, manning for platforms, command and control, or fuel handling.

(4) An evaluation of the positioning of defense fuel support points in the area, including with respect to operational suitability and vulnerability to a variety of kinetic threats.

(5) An assessment of the readiness of allies and partners of the United States to support the supply, storage, and distribution of fuel by the Armed Forces in the area, including a review of any relevant security cooperation agreements entered into between the United States and such allies and partners.

(6) An assessment of potential actions to mitigate any vulnerabilities identified pursuant to the study.

(d) REPORT.—

(1) SUBMISSION TO SECRETARY OF DEFENSE.—

(A) IN GENERAL.—The Secretary of Defense shall require, as a term of any contract entered into with a federally funded research and development center to conduct a study pursuant to subsection (a), that not later than one

year after the date of entering into such contract, the federally funded research and development center shall submit to the Secretary a report containing the findings of the study.

(B) FORM.—The report under subparagraph (A) shall be submitted in an unclassified and publicly releasable form, but may contain a classified annex.

(2) SUBMISSION TO CONGRESS.—Not later than 30 days after the date on which the Secretary of Defense receives the report under paragraph (1), the Secretary shall submit to the appropriate congressional committees a copy of such report, submitted without change.

(e) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Transportation and Infrastructure of the House of Representatives; and

(C) the Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''contested logistics environment'' has the meaning given that term in section 2926 of title 10, United States Code.

# Subtitle F—Matters Relating to Depots and Ammunition Production Facilities

**SEC. 361. BUDGETING FOR DEPOT AND AMMUNITION PRODUCTION FACILITY MAINTENANCE AND REPAIR: ANNUAL REPORT.**

Chapter 9 of title 10, United States Code, is amended by adding at the end the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**''§ 239d. Budgeting for depot and ammunition production facility maintenance and repair: annual report**

''(a) ANNUAL REPORT.—The Secretary of Defense, in coordination with the Secretaries of the military departments, shall include with the defense budget materials for each fiscal year a report regarding the maintenance and repair of covered facilities.

''(b) ELEMENTS.—Each report required under subsection (a) shall include, at a minimum, the following (disaggregated by military department):

''(1) With respect to each of the three fiscal years preceding the fiscal year covered by the defense budget materials with which the report is included, revenue data for that fiscal year for the maintenance, repair, and overhaul workload funded at all the depots of the military department.

''(2) With respect to the fiscal year covered by the defense budget materials with which the report is included and each of the two fiscal years prior, an identification of the following:

''(A) The amount of appropriations budgeted for that fiscal year for depots, further disaggregated by the type of appropriation.

''(B) The amount budgeted for that fiscal year for working-capital fund investments by the Secretary of the military department for the capital budgets of the covered depots of the military department, shown in total and further disaggregated by whether the investment relates to the efficiency of depot facilities, work environment, equipment, equipment (non-capital investment program), or processes.

''(C) The total amount required to be invested by the Secretary of the military department for that fiscal year for the capital budgets

of covered depots pursuant to section 2476(a) of this title.

''(D) A comparison of the budgeted amount identified under subparagraph (B) with the total required amount identified under subparagraph (C).

''(E) For each covered depot of the military department, of the total required amount identified under subparagraph (C), the percentage of such amount allocated, or projected to be allocated, to the covered depot for that fiscal year.

''(3) For each covered facility of the military department, the following:

''(A) Information on the average facility condition, average critical facility condition, restoration and maintenance project backlog, and average equipment age, including a description of any changes in such metrics from previous years.

''(B) Information on the status of the implementation at the covered facility of the plans and strategies of the Department of Defense relating to covered facility improvement, including, as applicable, the implementation of the

strategy required under section 359 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1323; 10 U.S.C. 2460 note).

''(c) DEFINITIONS.—In this section:

''(1) The term 'ammunition production facility' means an ammunition organic industrial base production facility.

''(2) The terms 'budget' and 'defense budget materials' have the meaning given those terms in section 234 of this title.

''(3) The term 'covered depot' has the meaning given that term in section 2476 of this title.

''(4) The term 'covered facility' means a covered depot or an ammunition production facility.''.

**SEC. 362. EXTENSION OF AUTHORIZATION OF DEPOT WORKING CAPITAL FUNDS FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION.**

Section 2208(u)(4) of title 10, United States Code, is amended by striking ''2023'' and inserting ''2025''.

**SEC. 363. MODIFICATION TO MINIMUM CAPITAL INVESTMENT FOR CERTAIN DEPOTS.**

(a) MODIFICATION.—Section 2476 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking ''six'' and inserting ''eight''; and

(B) by adding at the end the following new sentence: ''Of such total amount required to be invested, an amount equal to not less than two percent of such average total for the preceding three fiscal years shall be invested from funds authorized for Facilities Sustainment, Restoration, and Modernization activities of the military department.''; and

(2) in subsection (b), by inserting '' including through the rebuilding of property following the end of the economic useful life of the property and the restoration of property or equipment to like-new condition,'' after ''operations,'';

(3) by redesignating subsections (c) through (e) as subsections (d) through (f); and

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

''(c) COMPLIANCE WITH CERTAIN REQUIREMENTS.—In identifying amounts to invest pursuant to the requirement under subsection (a), the Secretary of a military department shall comply with all applicable requirements of sections 129 and 129a of this title.''.

(b) CONFORMING AMENDMENT.—Section 2861(b) of such title is amended by striking ''subsection (e) of section 2476'' and inserting ''subsection (f) of section 2476''.

(c) APPLICABILITY.—The amendments made by subsection (a) shall apply with respect to fiscal years beginning on or after October 1, 2023.

**SEC. 364. CONTINUATION OF REQUIREMENT FOR BIENNIAL REPORT ON CORE DEPOT-LEVEL MAINTENANCE AND REPAIR.**

(a) IN GENERAL.—Section 1080(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1000; 10 U.S.C. 111 note) does not apply to the report required to be submitted to Congress under section 2464(d) of title 10, United States Code.

(b) CONFORMING REPEAL.—Section 1061(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2401; 10 U.S.C. 111 note) is amended by striking paragraph (45).

**SEC. 365. CONTINUATION OF REQUIREMENT FOR ANNUAL REPORT ON FUNDS EXPENDED FOR PERFORMANCE OF DEPOT-LEVEL MAINTENANCE AND REPAIR WORKLOADS.**

(a) IN GENERAL.—Section 1080(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public

Law 114–92; 129 Stat. 1000; 10 U.S.C. 111 note) does not apply to the report required to be submitted to Congress under section 2466(d) of title 10, United States Code.

(b) CONFORMING REPEAL.—Section 1061(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2401; 10 U.S.C. 111 note) is amended by striking paragraph (46).

**SEC. 366. FIVE-YEAR PLANS FOR IMPROVEMENTS TO DEPOT AND AMMUNITION PRODUCTION FACILITY INFRASTRUCTURE.**

(a) FIVE-YEAR PLANS REQUIRED.—Concurrent with the submission to Congress of the budget of the President for each of fiscal years 2024, 2025, 2026, 2027, and 2028 pursuant to section 1105(a) of title 31, United States Code, each Secretary of a military department shall submit to the congressional defense committees a report containing a description of the plan of that Secretary to improve depot and ammunition production facility infrastructure during the five fiscal years following the fiscal year for which such budget is submitted, with the objective of ensuring that all covered facilities have the capacity and capability to support the readiness and material availability goals of current and future weapon systems of the Department of Defense.

(b) ELEMENTS.—Each plan required pursuant to subsection (a) shall include, with respect to the depots and ammunition production facilities of the military department for which the plan is submitted, the following:

(1) A comprehensive review of the conditions and performance of each covered facility, including the following:

(A) An assessment of the current status of the following elements:

(i) Cost and schedule performance of the covered facility.

(ii) Material availability of weapon systems supported at the covered facility and the impact of the performance of the covered facility on that availability.

(iii) Work in progress and non-operational items awaiting covered facility maintenance.

(iv) The condition of the covered facility.

(v) The backlog of restoration and modernization projects at the covered facility.

(vi) The condition of equipment at the covered facility.

(vii) The vulnerability of the covered facility to adverse environmental conditions and, if necessary, the investment required to withstand those conditions.

(B) With respect to the five-year period covered by the plan, an identification of the major lines of effort, milestones, and specific goals over such period to address the elements specified in subparagraph (A) and a description of how such goals serve the long-term strategies of the Department of Defense relating to covered facility improvement, including, as applicable, the strategy required under section 359 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1323; 10 U.S.C. 2460 note).

(2) The estimated costs of necessary depot and ammunition production facility improvements and a description of how such costs would be addressed by the Department of Defense budget request submitted during the same year as the plan and the applicable future-years defense program.

(3) Information regarding the plan of the Secretary of the military department to initiate such environmental and engineering studies as may be nec-

essary to carry out planned depot and ammunition production facility improvements.

(4) Detailed information regarding how depot improvement projects and ammunition production facility improvement projects will be paced and sequenced to ensure continuous operations.

(c) INCORPORATION OF RESULTS-ORIENTED MANAGEMENT PRACTICES.—Each plan required pursuant to subsection (a) shall incorporate the leading results-oriented management practices identified in the report of the Comptroller General of the United States titled ''Actions Needed to Improve Poor Conditions of Facilities and Equipment that Affect Maintenance Timeliness and Efficiency'' (GAO–19–242), or any successor report, including—

(1) analytically based goals;

(2) results-oriented metrics;

(3) the identification of required resources, risks, and stakeholders; and

(4) regular reporting on progress to decision-makers.

(d) DEFINITIONS.—In this section:

(1) The term ''ammunition production facility'' means an ammunition organic industrial base production facility.

(2) The term ''covered depot'' has the meaning given that term in section 2476 of title 10, United States Code.

(3) The term ''covered facility'' means a covered depot or an ammunition production facility.

**SEC. 367. CLARIFICATION OF CALCULATION FOR CERTAIN WORKLOAD CARRYOVER OF DEPARTMENT OF ARMY.**

For purposes of calculating the amount of workload carryover with respect to the depots and arsenals of the Department of the Army, the Secretary of Defense shall authorize the Secretary of the Army to use a calculation for such carryover that applies a material end of period exclusion.

# Subtitle G—Reports

**SEC. 371. ANNUAL REPORTS BY DEPUTY SECRETARY OF DEFENSE ON ACTIVITIES OF JOINT SAFETY COUNCIL.**

Section 184(k) of title 10, United States Code is amended—

(1) by striking ''REPORT.—The Chair'' and inserting ''REPORTS.—(1) The Chair''; and

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

''(2) Not later than December 31, 2022, and on an annual basis thereafter, the Deputy Secretary of Defense shall submit to the congressional defense committees a report containing—

''(A) a summary of the goals and priorities of the Deputy Secretary for the year following the date of the submission of the report with respect to the activities of the Council; and

''(B) an assessment by the Deputy Secretary of the activities of the Council carried out during the year preceding the date of such submission.''.

**SEC. 372. QUARTERLY REPORTS ON EXPENDITURES FOR ESTABLISHMENT OF FUEL DISTRIBUTION POINTS IN INDOPACOM AREA OF RESPONSIBILITY.**

(a) QUARTERLY REPORTS REQUIRED.—The Commander of United States Indo-Pacific Command shall submit to the congressional defense committees quarterly reports on the use of the funds described in subsection (c) until the date on which all such funds are expended.

(b) CONTENTS OF REPORT.—Each report required under subsection (a) shall include an expenditure plan for the establishment of fuel distribution points in the area of responsibility of United States Indo-Pacific Command

relating to the defueling and closure of the Red Hill Bulk Fuel Storage Facility.

(c) FUNDS DESCRIBED.—The funds described in this subsection are the amounts authorized to be appropriated or otherwise made available for fiscal year 2023 for Military Construction, Defense-wide for Planning and Design for United States Indo-Pacific Command.

# Subtitle H—Other Matters

**SEC. 381. ACCOUNTABILITY FOR MILITARY WORKING DOGS.**

(a) IN GENERAL.—Chapter 50 of title 10, United States Code, is amended by adding at the end the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 995. Accountability for military working dogs**

''(a) ANNUAL REPORTING REQUIREMENT FOR CONTRACTORS.—

''(1) REQUIREMENT.—The Secretary of Defense shall require that each covered contractor submit to the Under Secretary of Defense (Comptroller), on an annual basis for the contract period, a report containing an identification of—

''(A) the number of military working dogs that are in the possession of the covered contractor and located outside of the continental

United States in support of a military operation, if any; and

''(B) the primary location of any such military working dogs.

''(2) GUIDANCE.—The Under Secretary of Defense (Comptroller) shall issue guidance on the annual reporting requirement under paragraph (1) for purposes of carrying out this section.

''(b) ANNUAL REPORT TO CONGRESS.—Not later than March 1, 2023, and on an annual basis thereafter, the Secretary of Defense shall submit to the congressional defense a committees a report on the implementation of this section.

''(c) COVERED CONTRACTOR DEFINED.—The term 'covered contractor' means a contractor of the Department of Defense the contract of which the Secretary determines involves military working dogs.''.

(b) APPLICABILITY.—The amendments made by subsection (a) shall apply with respect to contracts entered into on or after the date of the enactment of this Act.

(c) DEADLINE FOR GUIDANCE.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense (Comptroller) shall issue the guidance specified in section 995(a)(2) of title 10, United States Code, as added by subsection (a).

(d) REGULATIONS TO PROHIBIT ABANDONMENT.—Not later than 2 years after the date of the enactment of this Act, the Secretary of Defense shall issue regulations to prohibit the abandonment of military working dogs used in support of a military operation outside of the continental United States.

**SEC. 382. MEMBERSHIP OF COAST GUARD ON JOINT SAFETY COUNCIL.**

Section 184(b)(1) of title 10, United States Code, is amended—

(1) by redesignating subparagraph (D) as subparagraph (E); and

(2) by inserting after subparagraph (C) the following new subparagraph:

''(D) During periods in which the Coast Guard is not operating as a service in the Department of the Navy, an officer of the Coast Guard, appointed by the Secretary of Homeland Security.''.

**SEC. 383. REQUIREMENT OF SECRETARY OF DEFENSE TO REIMBURSE STATE COSTS OF FIGHTING CERTAIN WILDLAND FIRES.**

(a) REQUIREMENT.—Section 2691(d) of title 10, United States Code, is amended by striking ''may'' and inserting ''shall''.

(b) APPLICABILITY.—The amendment made by subsection (a) shall apply with respect to any lease, permit, license, or other grant of access that the Secretary of Defense enters into, or grants, on or after the date of the enactment of this Act.

**SEC. 384. EXPANDED CONSULTATION IN TRAINING OF NATIONAL GUARD PERSONNEL ON WILDFIRE RESPONSE.**

Section 351 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by inserting ''and the National Interagency Fire Center'' after ''Bureau''.

**SEC. 385. INTERAGENCY COLLABORATION AND EXTENSION OF PILOT PROGRAM ON MILITARY WORKING DOGS AND EXPLOSIVES DETECTION.**

(a) EXTENSION OF PILOT PROGRAM.—Section 381(b) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1672; 10 U.S.C. 3062 note) is amended by striking ''2024'' and inserting ''2025''.

(b) REVIEW OF RESEARCH EFFORTS OF DEPARTMENT OF DEFENSE AND DEPARTMENT OF HOMELAND SECURITY.—

(1) REVIEW.—The Secretary of Defense, in coordination with the Secretary of Homeland Security,

shall conduct a review of the recent and ongoing research, testing, and evaluation efforts of the Department of Defense and the Department of Homeland Security, respectively, regarding explosives detection working dogs.

(2) MATTERS.—The review under paragraph (1) shall include an analysis of the following:

(A) Any recent or ongoing research efforts of the Department of Defense or the Department of Homeland Security, respectively, relating to explosives detection working dogs, and any similarities between such efforts.

(B) Any recent or ongoing veterinary research efforts of the Department of Defense or the Department of Homeland Security, respectively, relating to working dogs, canines, or other areas that may be relevant to the improvement of the breeding, health, performance, or training of explosives detection working dogs.

(C) Any research areas relating to explosives detection working dogs in which there is a need for ongoing research but no such ongoing research is being carried out by either the Secretary of Defense or the Secretary of Homeland Security, particularly with respect to the

health, domestic breeding, and training of explosives detection working dogs.

(D) How the recent and ongoing research efforts of the Department of Defense and the Department of Homeland Security, respectively, may improve the domestic breeding of working dogs, including explosives detection working dogs, and the health outcomes and performance of such domestically bred working dogs, including through coordination with academic or industry partners with experience in research relating to working dogs.

(E) Potential opportunities for the Secretary of Defense to collaborate with the Secretary of Homeland Security on research relating to explosives detection working dogs.

(F) Any research partners of the Department of Defense or the Department of Homeland Security, or both, that may be beneficial in assisting with the research efforts and areas described in this subsection.

(c) PLAN REQUIRED.—Not later than 180 days of the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a plan for the Secretary of Defense to collaborate,

as appropriate, with the Secretary of Homeland Security on research relating to explosives detection working dogs and other relevant matters. Such plan shall include the following:

(1) An analysis of potential opportunities for collaboration between the Secretary of Defense and the Secretary of Homeland Security on the research efforts and areas described in subsection (a)(2).

(2) An identification of specific programs or areas of research for such collaboration.

(3) An identification of any additional agreements or authorities necessary for the Secretaries to carry out such collaboration.

(4) An identification of additional funding necessary to carry out such collaboration.

(5) An analysis of potential coordination on the research efforts and areas described in subsection (a)(2) with academic and industry partners with experience in research relating to working dogs, including an identification of potential opportunities for such coordination in carrying out the collaboration described in paragraph (1).

(6) A proposed timeline for the Secretary of Defense to engage in such collaboration, including specific proposed deadlines.

(7) Any other matters the Secretary of Defense considers appropriate.

(d) EXPLOSIVES DETECTION WORKING DOG.—In this section, the term ''explosives detection working dog'' means a canine that, in connection with the work duties of the canine performed for a Federal department or agency, is certified and trained to detect odors indicating the presence of explosives in a given object or area, in addition to the performance of such other duties for the Federal department or agency as may be assigned.

**SEC. 386. ESTABLISHMENT OF ARMY AND AIR FORCE SAFETY COMMANDS; IMPLEMENTATION OF ACCIDENT INVESTIGATION RECOMMENDATIONS.**

(a) SAFETY COMMANDS.—

(1) ARMY SAFETY COMMAND.—

(A) ESTABLISHMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army shall establish within the Department of the Army an ''Army Safety Command''.

(B) COMMANDER.—There is a Commander of the Army Safety Command. The Commander shall be selected by the Secretary of the Army from among the general officers of the Army who hold a rank of major general or higher.

(C) DUTIES.—The duties of the Army Safety Command shall include, with respect to the Army, the formulation of safety policy, the development of risk management strategies, the monitoring of risk adjudication processes, the provision of safety-related training, and such other duties as the Secretary of the Army may determine appropriate.

(2) AIR FORCE SAFETY COMMAND.—

(A) ESTABLISHMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Air Force shall establish within the Department of the Air Force an ''Air Force Safety Command''.

(B) COMMANDER.—There is a Commander of the Air Force Safety Command. The Commander shall be selected by the Secretary of the Air Force from among the general officers of the Air Force who hold a rank of major general or higher.

(C) DUTIES.—The duties of the Air Force Safety Command shall include, with respect to the Air Force, the formulation of safety policy, the development of risk management strategies, the monitoring of risk adjudication processes,

the provision of safety-related training, and such other duties as the Secretary of the Air Force may determine appropriate.

(3) TRANSFER OF PREEXISTING ORGANIZATIONAL ELEMENTS.—As of the date on which the Safety Command of a military department is established under this subsection, any element of that military department responsible for the duties of such Safety Command as of the day before the date of such establishment (including the duties, responsibilities, and personnel of any such element) shall be transferred to such Safety Command.

(4) BRIEFINGS.—Not later than 90 days after the date on which the Safety Command of a military department is established under this subsection, the Secretary of that military department shall provide to the congressional defense committees a briefing on the duties, assigned personnel, key lines of effort, and organizational structure of such Safety Command.

(b) IMPLEMENTATION OF ACCIDENT INVESTIGATION RECOMMENDATION.—

(1) ESTABLISHMENT OF RESPONSIBLE ENTITIES.—

(A) ARMY.—Not later than 180 days of enactment of this Act, the Secretary of the Army shall establish within the Department of the Army an entity the primary responsibility of which is to ensure the implementation across the Army of recommended actions arising from accident investigations conducted by the Department of Defense.

(B) AIR FORCE.—Not later than 180 days of enactment of this Act, the Secretary of the Air Force shall establish within the Department of the Air Force an entity the primary responsibility of which is to ensure the implementation across the Air Force of recommended actions arising from accident investigations conducted by the Department of Defense.

(2) BRIEFINGS.—Not later than 90 days after the date on which the Secretary of a military department establishes a responsible entity under paragraph (1), that Secretary shall provide to the congressional defense committees a briefing on the duties, assigned personnel, key lines of effort, and organizational structure of such entity.

**SEC. 387. NATIONAL STANDARDS FOR FEDERAL FIRE PROTECTION AT MILITARY INSTALLATIONS.**

(a) STANDARDS REQUIRED.—The Secretary of Defense shall ensure that—

(1) members of the Armed Forces and employees of Defense Agencies who provide fire protection services to military installations shall comply with the National Consensus Standards developed by the National Fire Protection Association pursuant to section 12(d) of the National Technology Transfer and Advancement Act of 1995 (Pub. L. 104–113; 15 U.S.C. 272 note);

(2) the minimum staffing requirement for any firefighting vehicle responding to a structural building emergency at a military installation is not less than four firefighters per vehicle; and

(3) the minimum staffing requirement for any firefighting vehicle responding to an aircraft or airfield incident at a military installation is not less than three firefighters per vehicle.

(b) DEFINITIONS.—In this section:

(1) The terms ''Armed Forces'' and ''Defense Agency'' have the meanings given such terms in section 101 of title 10, United States Code.

(2) The term ''firefighter'' has the meaning given that term in section 707(b) of the National

Defense Authorization Act for Fiscal Year 2020 (Pub. L. 116–92; 10 U.S.C. 1074m note).

(3) The term ''military installation'' has the meaning given that term in section 2801 of title 10, United States Code.

**SEC. 388. PILOT PROGRAM FOR TACTICAL VEHICLE SAFETY DATA COLLECTION.**

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of the Army and the Secretary of the Navy shall jointly carry out a pilot program to evaluate the feasibility of using data recorders to monitor, assess, and improve the readiness and safety of the operation of military tactical vehicles (in this section referred to as the ''pilot program'').

(b) PURPOSES.—The purposes of the pilot program are—

(1) to allow for the automated identification of hazards and potential hazards on and off military installations;

(2) to mitigate and increase awareness of hazards and potential hazards on and off military installations;

(3) to identify near-miss accidents;

(4) to create a standardized record source for accident investigations;

(5) to assess individual driver proficiency, risk, and readiness;

(6) to increase consistency in the implementation of military installation and unit-level range safety programs across military installations and units;

(7) to evaluate the feasibility of incorporating metrics generated from data recorders into the safety reporting systems and to the Defense Readiness Reporting System as a measure of assessing safety risks, mitigations, and readiness;

(8) to determine the costs and benefits of retrofitting data recorders on legacy platforms and including data recorders as a requirement in acquisition of military tactical vehicles; and

(9) any other matters as determined by the Secretary concerned.

(c) REQUIREMENTS.—In carrying out the pilot program, the Secretary of the Army and the Secretary of the Navy shall—

(1) assess the feasibility of using commercial technology, such as smartphones or technologies used by insurance companies, as a data recorder;

(2) test and evaluate a minimum of two data recorders that meet the pilot program requirements;

(3) select a data recorder capable of collecting and exporting the telemetry data, event data, and driver identification during operation and accidents;

(4) install and maintain a data recorder on a sufficient number of each of the military tactical vehicles listed under subsection (f) at installations selected by the Secretary concerned under subsection (e) for statistically significant results;

(5) establish and maintain a database that contains telemetry data, driver data, and event data captured by the data recorder;

(6) regularly generate for each installation selected under subsection (e) a dataset that is viewable in widely available mapping software of hazards and potential hazards based on telemetry data and event data captured by the data recorders;

(7) generate actionable data sets and statistics on individual, vehicle, and military installation;

(8) require commanders at the installations selected under subsection (e) to incorporate the actionable data sets and statistics into the installation range safety program;

(9) require unit commanders at the installations selected under subsection (e) to incorporate the ac-

tionable data sets and statistics into the unit driver safety program;

(10) evaluate the feasibility of integrating data sets and statistics to improve driver certification and licensing based on data recorded and generated by the data recorders;

(11) use open architecture to the maximum extent practicable; and

(12) carry out any other activities determined by the Secretary as necessary to meet the purposes under subsection (b).

(d) IMPLEMENTATION PLAN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army and the Secretary of the Navy shall develop a plan for implementing the pilot program.

(e) LOCATIONS.—Each Secretary concerned shall carry out the pilot program at not fewer than one military installation in the United States selected by the Secretary concerned that meets the following conditions:

(1) Contains the necessary force structure, equipment, and maneuver training ranges to collect driver and military tactical vehicle data during training and routine operation.

(2) Represents at a minimum one of the five training ranges identified in the study by the Comp-

troller General of the United States titled ''Army and Marine Corps Should Take Additional Actions to Mitigate and Prevent Training Accidents'' that did not track unit location during the training events.

(f) COVERED MILITARY TACTICAL VEHICLES.—The pilot program shall cover the following military tactical vehicles:

(1) Army Strykers.

(2) Marine Corps Light Armored Vehicles.

(3) Army Family of Medium Tactical Vehicles.

(4) Marine Corps Medium Tactical Vehicle Replacements.

(5) Army and Marine Corps High Mobility Multipurpose Wheeled Vehicles.

(6) Army and Marine Corps Joint Light Tactical Vehicles.

(7) Army and United States Special Operations Command Ground Mobility Vehicles.

(8) Army Infantry Squad Vehicles.

(g) METRICS.—The Secretaries shall develop metrics to evaluate the effectiveness of the pilot program in monitoring, assessing, and improving vehicle safety, driver readiness, and mitigation of risk.

(h) REPORTS.—

(1) INITIAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the pilot program that addresses the plan for implementing the requirements under subsection (c), including the established metrics under subsection (g).

(2) INTERIM.—Not later than three years after the commencement of the pilot program, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the status of the pilot program, including the preliminary results in carrying out the pilot program, the metrics generated during the pilot program, disaggregated by military tactical vehicle, location, and service, and the implementation plan under subsection (d).

(3) FINAL.—

(A) IN GENERAL.—Not later than 90 days after the termination of the pilot program, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the results of the program.

(B) ELEMENTS.—The report required by subparagraph (A) shall—

(i) assess the effectiveness of the pilot program in meeting the purposes under subsection (b);

(ii) include the metrics generated during the pilot program, disaggregated by military tactical vehicle, location, and service;

(iii) include the views of range personnel, unit commanders, and tactical vehicle operators involved in the pilot program on the level of effectiveness of the technology selected;

(iv) provide a cost estimate for equipping legacy military tactical vehicles with data recorders;

(v) determine the instances in which data recorders should be a requirement in the acquisition of military tactical vehicles;

(vi) recommend whether the pilot program should be expanded or made into a program of record; and

(vii) recommend any statutory, regulatory, or policy changes required to support the purposes under subsection (b).

(i) 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.

(j) DEFINITIONS.—In this section:

(1) The term ''accident'' means a collision, rollover, or other mishap involving a motor vehicle.

(2) The term ''data recorder'' means technologies installed in a motor vehicle to record driver identification, telemetry data, and event data related to the operation of the motor vehicle.

(3) The term ''driver identification'' means data enabling the unique identification of the driver operating a motor vehicle.

(4) The term ''event data'' includes data related to—

(A) the start and conclusion of each vehicle operation;

(B) a vehicle accident;

(C) a vehicle acceleration, velocity, or location with an increased potential for an accident; or

(D) a vehicle orientation with an increased potential for an accident.

(5) The term ''Secretary concerned'' means—

(A) the Secretary of the Army with respect to matters concerning the Army; and

(B) the Secretary of the Navy with respect to matters concerning the Navy and Marine Corps.

(6) The term ''tactical vehicle'' means a motor vehicle designed to military specification, or a commercial design motor vehicle modified to military specification, to provide direct transportation support of combat or tactical operations, or for the training of personnel for such operations.

(7) The term ''telemetry data'' includes—

(A) time;

(B) vehicle distance traveled;

(C) vehicle acceleration and velocity;

(D) vehicle orientation, including roll, pitch, and yaw; and

(E) vehicle location in a geographic coordinate system, including elevation.

# 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, 2023, as follows:

(1) The Army, 473,000.

(2) The Navy, 348,220.

(3) The Marine Corps, 177,000.

(4) The Air Force, 323,400.

(5) The Space Force, 8,600.

**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 (5) and inserting the following new paragraphs:

''(1) For the Army, 473,000.

''(2) For the Navy, 348,220.

''(3) For the Marine Corps, 177,000.

''(4) For the Air Force, 323,400.

''(5) For the Space Force, 8,600.''.

# 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, 2023, as follows:

(1) The Army National Guard of the United States, 336,000.

(2) The Army Reserve, 189,500.

(3) The Navy Reserve, 57,700.

(4) The Marine Corps Reserve, 33,000.

(5) The Air National Guard of the United States, 108,400.

(6) The Air Force Reserve, 70,000.

(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, 2023, 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, 30,845.

(2) The Army Reserve, 16,511.

(3) The Navy Reserve, 10,077.

(4) The Marine Corps Reserve, 2,388.

(5) The Air National Guard of the United States, 26,630.

(6) The Air Force Reserve, 6,286.

**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 2023 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, 9,892.

(4) For the Air Force Reserve, 6,696.

**SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.**

During fiscal year 2023, 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:

(1) 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 2023 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 2023.

# TITLE V—MILITARY PERSONNEL POLICY

## Subtitle A—Officer Personnel Policy

### SEC. 501. DISTRIBUTION OF COMMISSIONED OFFICERS ON ACTIVE DUTY IN GENERAL OFFICER AND FLAG OFFICER GRADES.

Section 525 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in the matter preceding paragraph (1), by striking ''as follows:'' and inserting an em dash;

(B) in paragraph (4)(C), by striking the period at the end and inserting ''; and''; and

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

''(5) in the Space Force, if that appointment would result in more than—

''(A) 2 officers in the grade of general;

''(B) 7 officers in a grade above the grade of major general; or

''(C) 6 officers in the grade of major general.'';'';

(2) in subsection (c)—

(A) in paragraph (1)(A), by striking ''and Marine Corps'' and inserting ''Marine Corps, and Space Force''; and

(B) in paragraph (2), by striking ''or Marine Corps'' and inserting ''Marine Corps, or Space Force''; and

(3) in subsection (d), by striking ''or Commandant of the Marine Corps'' and inserting ''Commandant of the Marine Corps, or Chief of Space Operations''.

**SEC. 502. AUTHORIZED STRENGTH AFTER DECEMBER 31, 2022: GENERAL OFFICERS AND FLAG OFFICERS ON ACTIVE DUTY.**

Section 526a of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in the matter preceding paragraph (1), by striking ''and Marine Corps'' and inserting ''Marine Corps, and Space Force'';

(B) in paragraph (1), by striking ''220'' and inserting ''218'';

(C) in paragraph (2), by striking ''151'' and inserting ''149'';

(D) in paragraph (3), by striking ''187'' and inserting ''170''; and

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

''(5) For the Space Force, 21.''; and

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

''(E) For the Space Force, 6.''.

**SEC. 503. EXCLUSION OF LEAD SPECIAL TRIAL COUNSEL FROM LIMITATIONS ON GENERAL OFFICERS AND FLAG OFFICERS ON ACTIVE DUTY.**

Section 526a of title 10, United States Code, as amended by section 502, is further amended—

(1) by redesignating the second subsection (i) as subsection (j);

(2) by redesignating subsections (g), (h), (i), and (j) as subsections (h), (i), (j), and (k), respectively; and

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

''(g) EXCLUSION OF OFFICERS SERVING AS LEAD SPECIAL TRIAL COUNSEL.—The limitations in subsection (a) do not apply to a general or flag officer serving in the position of lead special trial counsel pursuant to an appointment under section 1044f(a)(2) of this title.''.

**SEC. 504. CONSTRUCTIVE SERVICE CREDIT FOR CERTAIN OFFICERS OF THE ARMED FORCES: AUTHORIZATION; SPECIAL PAY.**

(a) CONSTRUCTIVE SERVICE CREDIT FOR WARRANT OFFICERS.—Section 572 of title 10, United States Code, is amended—

(1) by inserting ''(a)'' before ''For the purposes''; and

(2) by adding at the end the following new subsection:

''(b)(1) The Secretary concerned shall credit a person who is receiving an original appointment as a warrant officer in the regular component of an armed force under the jurisdiction of such Secretary concerned, and who has advanced education or training or special experience, with constructive service for such education, training, or experience, as follows:

''(A) For special training or experience in a particular warrant officer field designated by the Secretary concerned, if such training or experience is directly related to the operational needs of the armed force concerned, as determined by such Secretary concerned.

''(B) For advanced education in a warrant officer field designated by the Secretary concerned, if such education is directly related to the operational

needs of the armed force concerned, as determined by such Secretary concerned.

''(2) The authority under this subsection expires on December 31, 2027.''.

(b) SPECIAL PAY FOR CERTAIN OFFICERS COMMISSIONED OR APPOINTED WITH CONSTRUCTIVE SERVICE CREDIT.—

(1) ESTABLISHMENT.—Subchapter II of chapter 5 of title 37, United States Code, is amended by inserting after section 336 the following new section:

**''§ 337. Special pay: certain officers of the armed forces commissioned or appointed with constructive service credit**

''(a) SPECIAL PAY AUTHORIZED.—The Secretary concerned may pay monthly special pay to an eligible officer under this section.

''(b) ELIGIBLE OFFICER DEFINED.—In this section, the term 'eligible officer' means an officer who—

''(1)(A) received an original appointment in a commissioned grade on or after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2023; and

''(B) was credited by the Secretary of the military department concerned with constructive service under section 533(b)(1)(D) of title 10; or

''(2)(A) was originally appointed in a warrant officer grade on or after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2023; and

''(B) was credited by the Secretary concerned with constructive service under section 572(b) of title 10.

''(c) AMOUNT OF PAY.—The Secretary concerned shall determine an amount of monthly special pay to pay to an eligible officer under this section. Such amount may not exceed $5,000 per month.

''(d) RELATIONSHIP TO OTHER INCENTIVES.—Special pay under this section is in addition to any other pay or allowance to which an eligible officer is entitled.

''(e) SUNSET.—No special pay may be paid under this section after December 31, 2027.''.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 336 the following:

''337. Special pay: certain officers of the armed forces commissioned or appointed with constructive service credit.''.

(c) REGULATIONS.—The Secretaries concerned shall prescribe regulations to carry out the amendments made by this section not later than 180 days after the date of the enactment of this Act.

(d) REPORT.—Not later than February 1, 2027, the Secretary of Defense, in consultation with the Secretary of Homeland Security, shall submit to the appropriate congressional committees a report on the amendments made by this section. Such report shall include—

(1) the evaluation of such amendments by the Secretary; and

(2) the recommendation of the Secretary whether such amendments should be made permanent.

(e) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The congressional defense committees.

(B) The Committee on Transportation and Infrastructure of the House of Representatives.

(C) The Committee on Commerce, Science, and Transportation of the Senate.

(2) The terms ''congressional defense committees'' and ''Secretary concerned'' have the meanings given such terms in section 101 of title 10, United States Code.

**SEC. 505. CLARIFICATION OF GRADE OF SURGEON GENERAL OF THE NAVY.**

Section 8077 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(c) GRADE.—The Surgeon General, while so serving, shall hold the grade of O-9.''.

**SEC. 506. ASSESSMENTS OF STAFFING IN THE OFFICE OF THE SECRETARY OF DEFENSE AND OTHER DEPARTMENT OF DEFENSE HEADQUARTERS OFFICES.**

(a) OFFICE OF THE SECRETARY OF DEFENSE.—The Secretary of Defense shall conduct an assessment of staffing of the Office of the Secretary of Defense. Such assessment shall including the following elements:

(1) A validation of every military staff billet assigned to the Office of the Secretary of Defense against existing military personnel requirements.

(2) The estimated effect of returning 15 percent of such military staff billets to operational activities of the Armed Forces concerned, over a period of 36 months, would have on the office of the Secretary of Defense and other Department of Defense Headquarters Offices.

(3) A plan and milestones for how reductions described in paragraph (2) would occur, a schedule

for such reductions, and the process by which the billets would be returned to the operational activities of the Armed Forces concerned.

(b) OFFICE OF THE JOINT CHIEFS OF STAFF.—The Chairman of the Joint Chiefs of Staff shall conduct an assessment of staffing of the Office of the Joint Chiefs of Staff. Such assessment shall including the following elements:

(1) A validation of every military staff billet assigned to the Office of the Joint Chiefs of Staff against existing military personnel requirements.

(2) The estimated effect of returning 15 percent of such military staff billets to operational activities of the Armed Forces concerned, over a period of 36 months, would have on the office of the Joint Staff and the Chairman's Controlled Activities and other related Joint Staff Headquarters Offices.

(3) A plan and milestones for how reductions described in paragraph (2) would occur, a schedule for such reductions, and the process by which the billets would be returned to the operational activities of the Armed Forces concerned.

(c) INTERIM BRIEFING AND REPORT.—

(1) INTERIM BRIEFING.—Not later than April 1, 2023, the Secretary shall provide to the Commit-

tees on Armed Services of the Senate and House of Representatives an interim briefing on the assessments under subsections (a) and (b).

(2) FINAL REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the assessments under subsections (a) and (b). Such report shall include the following:

(A) A validation of every military staff billet assigned to the Office of the Secretary of Defense and the Joint Staff to include the Chairman's Controlled Activities against existing military personnel requirements.

(B) The methodology and process through which such validation was performed.

(C) Relevant statistical analysis on military billet fill rates against validated requirements.

(D) An analysis of unvalidated military billets currently performing staff support functions,

(E) The rationale for why unvalidated military billets may be required.

(F) The cost of military staff filling both validated and unvalidated billets.

(G) Lessons learned through the military billet validation process and statistical analysis under subparagraphs (B) through (F).

(H) Any other matters the Secretary determines relevant to understanding the use of military staff billets described in subsections (a) and (b).

(I) Any legislative, policy or budgetary recommendations of the Secretary related to the subject matter of the report.

**SEC. 507. SURVEY OF CHAPLAINS.**

(a) DEVELOPMENT.—The Secretary of Defense shall seek to enter into an agreement with a nonprofit entity or a federally funded research and development center to develop an anonymous survey of chaplains of the covered Armed Forces. The survey shall include questions regarding the following:

(1) Chaplain job satisfaction.

(2) The tools available for chaplains to minister to members of the covered Armed Forces.

(3) Resources available to support religious programs.

(4) Inclusion of chaplains in resiliency and wellness programs.

(5) The role of chaplains in embedded units, headquarters activities. and military treatment facilities.

(6) Recruitment and retention of chaplains.

(7) Any challenges in the ability of chaplains to offer ministry services.

(b) ADMINISTRATION.—The Secretary shall administer the survey not later than 180 days after development.

(c) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit a report to the Committees on Armed Services of the Senate and House of Representatives on the findings from the survey.

(d) COVERED ARMED FORCE DEFINED.—The term ''covered Armed Force'' means the following:

(1) The Army.

(2) The Navy.

(3) The Marine Corps.

(4) The Air Force.

(5) The Space Force.

**SEC. 508. INDEPENDENT REVIEW OF ARMY OFFICER PERFORMANCE EVALUATIONS.**

(a) STUDY REQUIRED.—Not later than six months after the enactment of this Act, the Secretary of the Army

shall seek to enter into an agreement with a private entity that the Secretary determines appropriate to—

(1) study the fitness report system used for the performance evaluation of Army officers; and

(2) provide to the Secretary recommendations regarding how to improve such system.

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

(1) An analysis of the effectiveness of the fitness report system at evaluating and documenting the performance of Army officers.

(2) A comparison of the fitness report system for Army officers with best practices for performance evaluations used by public- and private-sector organizations.

(3) An analysis of the value of Army fitness reports in providing useful information to officer promotion boards.

(4) An analysis of the value of Army fitness reports in providing useful feedback to Army officers being evaluated.

(5) Recommendations to improve the Army fitness report system to—

(A) increase its effectiveness at accurately evaluating and documenting the performance of Army officers;

(B) align with best practices for performance evaluations used by public- and private-sector organizations;

(C) provide more useful information to officer promotion boards; and

(D) provide more useful feedback regarding evaluated officers.

(c) ACCESS TO DATA AND RECORDS.—The Secretary of the Army shall ensure that the entity selected under subsection (a) has sufficient resources and access to technical data, individuals, organizations, and records necessary to complete the study required under this section.

(d) SUBMISSION TO DEPARTMENT OF THE ARMY.—Not later than one year after entering into an agreement under subsection (a), the entity that conducts the study under subsection (a) shall submit to the Secretary of the Army a report on the results of the study.

(e) SUBMISSION TO CONGRESS.—Not later than 30 days after the date on which the Secretary of the Army receives the report under subsection (d), the Secretary shall submit to the congressional defense committees—

(1) an unaltered copy of such report; and

(2) any comments of the Secretary regarding such report.

# Subtitle B—Reserve Component Management

**SEC. 511. GRADES OF CERTAIN CHIEFS OF RESERVE COMPONENTS.**

(a) IN GENERAL.—

(1) CHIEF OF ARMY RESERVE.—Section 7038(b) of title 10, United States Code, is amended by striking paragraph (4) and inserting the following:

''(4) The Chief of Army Reserve, while so serving, holds the grade of lieutenant general.''.

(2) CHIEF OF NAVY RESERVE.—Section 8083(b) of such title is amended by striking paragraph (4) and inserting the following:

''(4) The Chief of Navy Reserve, while so serving, holds the grade of vice admiral.''.

(3) COMMANDER, MARINE FORCES RESERVE.—Section 8084(b) of such title is amended by striking paragraph (4) and inserting the following:

''(4) The Commander, Marine Forces Reserve, while so serving, holds the grade of lieutenant general.''.

(4) CHIEF OF AIR FORCE RESERVE.—Section 9038(b) of such title is amended by striking paragraph (4) and inserting the following:

''(4) The Chief of Air Force Reserve, while so serving, holds the grade of lieutenant general.''.

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the day that is one year after the date of the enactment of this Act and shall apply to appointments made after such date.

**SEC. 512. GRADE OF VICE CHIEF OF THE NATIONAL GUARD BUREAU.**

Section 10505 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(c) GRADE.—(1) The Vice Chief of the National Guard Bureau shall be appointed to serve in the grade of general.

''(2) The Secretary of Defense shall designate, pursuant to subsection (b) of section 526 of this title, the position of Vice Chief of the National Guard Bureau as one of the general officer and flag officer positions to be excluded from the limitations in subsection (a) of such section.''.

**SEC. 513. BACKDATING OF EFFECTIVE DATE OF RANK FOR RESERVE OFFICERS IN THE NATIONAL GUARD DUE TO UNDUE DELAYS IN FEDERAL RECOGNITION.**

Paragraph (2) of section 14308(f) of title 10, United States Code, is amended to read as follows:

''(2) If there is a delay in extending Federal recognition in the next higher grade in the Army National Guard or the Air National Guard to a reserve commissioned officer of the Army or the Air Force that exceeds 100 days from the date the National Guard Bureau deems such officer's application for Federal recognition to be completely submitted by the State and ready for review at the National Guard Bureau, and the delay was not attributable to the action or inaction of such officer—

''(A) in the event of State promotion with an effective date before January 1, 2024, the effective date of the promotion concerned under paragraph (1) may be adjusted to a date determined by the Secretary concerned, but not earlier than the effective date of the State promotion; and

''(B) in the event of State promotion with an effective date on or after January 1, 2024, the effective date of the promotion concerned under paragraph (1) shall be adjusted by the Secretary concerned to the later of—

''(i) the date the National Guard Bureau deems such officer's application for Federal recognition to be completely submitted by the State and ready for review at the National Guard Bureau; and

''(ii) the date on which the officer occupies a billet in the next higher grade.''.

**SEC. 514. FINANCIAL ASSISTANCE PROGRAM FOR SPECIALLY SELECTED MEMBERS: ARMY RESERVE AND ARMY NATIONAL GUARD.**

Section 2107a of title 10, United States Code, is amended—

(1) in subsection (a)—

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

''(1) The Secretary of the Army may appoint as a cadet in the Army Reserve or Army National Guard of the United States any eligible member of the program who—

''(A)(i) is enrolled in the Advanced Course of the Army Reserve Officers' Training Corps at a military college or a military junior college; or

''(ii)(I) is enrolled in the Advanced Course of the Army Reserve Officers' Training Corps at a civilian institution; and

''(II) has completed the second year of a course of study in science, technology, engineering, mathematics, or a related field at such institution; and

''(B) will be under 31 years of age on December 31 of the calendar year in which the member eligible under this section for appointment as a second lieutenant in the Army Reserve or Army National Guard.'';

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

''(3) The Secretary of the Army may prescribe regulations specifying—

''(A) the courses of study that may be pursued by a member of the program for purposes of meeting the requirement under paragraph (1)(A)(ii); and

''(B) the level of academic achievement needed to meet such requirement.''.

(2) in subsection (b)(3)(B)(i), by inserting ''or civilian institution'' after ''military junior college'';

(3) in subsection (c)—

(A) in paragraph (1), by inserting ''or civilian institution'' after ''military junior college'';

(B) in paragraph (4)(A), by inserting ''or civilian institution'' after ''military junior college'';

(4) by amending subsection (h) to read as follows:

''(h)(1) The Secretary of the Army may appoint each year under this section not less than 22 cadets at each military junior college at which there are not less than 22 members of the program eligible under subsection (b) for such an appointment. At any military junior college at which in any year there are fewer than 22 such members, the Secretary shall appoint each such member as a cadet under this section.

''(2) The Secretary of the Army may appoint each year under this section the number of cadets from civilian institutions that the Secretary determines to be appropriate based on the needs of the Army.''; and

(5) in subsection (j), by inserting ''or civilian institution'' after ''military junior college''.

**SEC. 515. INSPECTIONS OF NATIONAL GUARD.**

(a) ESTABLISHMENT.—Chapter 1 of title 32, United States Code, is amended by inserting, after section 105, the following new section:

**"§ 105A. Additional inspections**

''(a) REGULAR INSPECTIONS REQUIRED.—The Secretary of the Army and the Secretary of the Air Force shall each prescribe regulations pursuant to which the National Guard of each State shall be inspected not less frequently than once every five years.

''(b) AUTHORIZED INSPECTORS.—An inspection of the National Guard of a State under subsection (a) shall be conducted by—

''(1) in the case of the Air National Guard, by a qualified member of the regular component of the Air Force or by the inspector general of the Department of the Air Force; or

''(2) in the case of the Army National Guard, by a qualified member of the regular component of the Army or by the inspector general of the Department of the Army.

''(c) ELEMENTS AND RECOMMENDATIONS.—Each inspection under subsection (a) shall include—

''(1) a review and assessment of—

''(A) the command climate of the National Guard of the State;

''(B) the extent to which members of such National Guard are treated with dignity and respect; and

''(C) the compliance of such National Guard with statutory, regulatory, and other applicable requirements relating to—

''(i) reporting and addressing sex-related offenses and sexual harassment;

''(ii) training in sexual assault prevention and response; and

''(iii) training in suicide prevention; and

''(2) the inspector's recommendation as to whether the Secretary of the military department concerned should designate the performance of such National Guard as unsatisfactory, satisfactory, or excellent.

''(d) PERFORMANCE GRADE.—Following the conclusion of an inspection of a National Guard of a State under subsection (a), the Secretary of the military department concerned shall—

''(1) based on the results of the inspection, designate the performance of such National Guard as unsatisfactory, satisfactory, or excellent; and

''(2) post such designation on a publicly accessible website of the Department of Defense.

''(e) MANDATORY REINSPECTION.—A National Guard of a State that receives a designation of unsatisfac-

tory under subsection (d) shall be reinspected in accordance with this section not later one year after the conclusion of the inspection that resulted in such designation.

''(f) REPORTS.—

''(1) IN GENERAL.—Not later than 90 days, after the conclusion of each inspection under this section, the Secretary of the military department concerned shall submit a report on the results of such inspection—

''(A) to the Secretary of Defense; and

''(B) to the Committees on Armed Services of the Senate and the House of Representatives.

''(2) ELEMENTS.—Each report under paragraph (1) shall—

''(A) summarize the results of the inspection with respect to each element specified in subsection (c);

''(B) indicate the designation issued for the National Guard of the State under subsection (d); and

''(C) in the case of a National Guard of a State that received a designation of unsatisfactory under subsection (d) after a reinspection

under subsection (e), include the Secretary's recommendation as to whether—

"(i) Federal funds should be withheld from such National Guard; or

"(ii) such National Guard unit should be transferred to another State.

"(g) DEFINITIONS.—In this section:

"(1) The term 'sex-related offense' means an alleged sex-related offense (as defined in section 1044e(h) of this title).

"(2) The term 'sexual harassment' means the offense of sexual harassment as punishable under section 934 of this title (article 134 of the Uniform Code of Military Justice) pursuant to the regulations prescribed by the Secretary of Defense for purposes of such section (article).

"(3) The term 'State' has the meaning given such term in section 901 of this title.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 105 the following new item:

"105A. Additional inspections.".

**SEC. 516. 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 to read as follows:

''(A) Support of operations or missions undertaken by the member's unit at the request of the President or Secretary of Defense, with the consent of—

''(i) the chief executive officer of each State (as that term is defined in section 901 of this title) in which such operations or missions shall take place; and

''(ii) if such operations or missions shall take place in the District of Columbia, the Mayor of the District of Columbia.''.

**SEC. 517. EXTENSION OF NATIONAL GUARD SUPPORT FOR FIREGUARD PROGRAM.**

Section 515 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) is amended by striking ''September 30, 2026'' and inserting ''September 30, 2029''.

**SEC. 518. NOTICE TO CONGRESS BEFORE CERTAIN ACTIONS REGARDING UNITS OF CERTAIN RESERVE COMPONENTS.**

(a) NOTICE REQUIRED; ELEMENTS.—The Secretary of a military department may not take any covered action regarding a covered unit until the day that is 60 days after the Secretary of a military department submits to Congress notice of such covered action. Such notice shall include the following elements:

(1) An analysis of how the covered action would improve readiness.

(2) A description of how the covered action would align with the National Defense Strategy and the supporting strategies of each military departments.

(3) A description of any proposed organizational change associated with the covered action and how the covered action will affect the relationship of administrative, operational, or tactical control responsibilities of the covered unit.

(4) The projected cost and any projected long-term cost savings of the covered action.

(5) A detailed description of any requirements for new infrastructure or relocation of equipment and assets necessary for the covered action.

(6) An analysis whether the covered action would facilitate—

(A) total force integration; and

(B) general officer progression.

(7) A description of how the covered activity will affect the ability of the covered unit to accomplish its current mission.

(b) APPLICABILITY.—This section shall apply to any step to perform covered action regarding a covered unit on or after the date of the enactment of this Act.

(c) DEFINITIONS.—In this section:

(1) The term ''covered action'' means any of the following:

(A) To deactivate.

(B) To reassign.

(C) To move the home station.

(D) To reassign any responsibility.

(E) To integrate, in the case of—

(i) a covered unit and a unit of the regular component of a covered Armed Force; or

(ii) more than one covered unit.

(2) The term ''covered Armed Force'' means the following:

(A) The Army.

(B) The Navy.

(C) The Marine Corps.

(D) The Air Force.

(E) The Space Force.

(3) The term ''covered unit'' means a unit of a reserve component of a covered Armed Force.

**SEC. 519. PLAN TO ENSURE REASONABLE ACCESS TO THE JUNIOR RESERVE OFFICERS' TRAINING CORPS.**

(a) PLAN REQUIRED.—The Secretary of Defense, in consultation with the Secretaries of the military departments, shall develop a plan to increase the total number of units of the Junior Reserve Officers' Training Corps to ensure that there is reasonable access to such units in each geographic region of the United States by not later than September 30, 2031.

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

(1) A proposal to increase the total number of units of the Junior Reserve Officers' Training Corps to ensure reasonable access for students throughout the United States.

(2) The estimated cost of implementing the proposed increase in the number of such units.

(3) A prioritized list of the States and regions in which the Secretary proposes adding additional units.

(4) Actions the Secretary expects to carry out to ensure adequate representation and fair access to such units for students in all regions of the United States, including rural and remote areas and in underrepresented States.

(5) To the extent appropriate, modifications to the requirements for such units, including the requirements applicable to instructors, to accommodate units in rural areas and small schools.

(6) A plan to increase school and community awareness of Junior Reserve Officers' Training Corps programs in underrepresented areas.

(c) 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 the House of Representatives a report that includes the plan developed under subsection (a).

(d) REASONABLE ACCESS DEFINED.—In this section, the term ''reasonable access'', when used with respect to units of the Junior Reserve Officers' Training Corps, means a level of access determined by the Secretary of Defense be reasonable taking into account the demand for

student participation, the availability of instructors, and the physical distance between units.

# Subtitle C—General Service Authorities and Military Records

## SEC. 521. NOTIFICATION TO NEXT OF KIN UPON THE DEATH OF A MEMBER OF THE ARMED FORCES.

Subchapter II of chapter 75 of title 10, United States Code, is amended by adding at the end the following new section (and the table of sections at the beginning of such subchapter is amended accordingly):

### "§ 1493. Notification to next of kin or other appropriate person: timing; training

''(a) IN GENERAL.—In the event of a death that requires the Secretary of the military department concerned to provide a death benefit under this subchapter, such Secretary shall notify the next of kin or other appropriate person not later than four hours after such death.

''(b) DEATH OUTSIDE THE UNITED STATES.—If a death described in subsection (a) occurs outside the United States, the Secretary of Defense, in coordination with the Secretary of State, shall attempt to delay reporting, by the media of the country in which such death occurs, of the name of the decedent until after the Secretary of the military department concerned has notified the next

of kin or other appropriate person pursuant to subsection (a).

''(c) TRAINING.—The Secretary of the military department concerned shall include a training exercise regarding a death described in this section in each major exercise or planning conference conducted by such Secretary or the Secretary of Defense.''.

**SEC. 522. DIRECT ACCEPTANCE OF GIFTS FROM CERTAIN SOURCES BY ENLISTED MEMBERS.**

(a) AUTHORITY.—Section 2601a of title 10, United States Code, is amended—

(1) in subsection (b)—

(A) by redesignating paragraphs (1) through (3) as subparagraphs (A) through (C), respectively;

(B) in the matter preceding subparagraph (A), as redesignated, by striking ''This section applies to'' and inserting ''(1) A member described in this paragraph is'';

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

''(2) A member described in this paragraph is an enlisted member of the armed forces.''; and

(2) in subsection (d)—

(A) by inserting ''(1)'' before ''The regulations''; and

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

''(2) A member described in subsection (b)(2) may not accept a gift—

''(A) from a source described in paragraph (1);

''(B) solicited by the member;

''(C) that a reasonable person would believe was intended to influence the member in the performance of duties as a member; or

''(D) that a reasonable person would believe was intended to supplement the pay of the member.''.

(b) CONFORMING AMENDMENTS.—Such section is further amended—

(1) in subsection (b)(1)(C), as redesignated, by striking ''paragraph (1)'' and inserting ''subparagraph (A)'';

(2) in subsection (c), by striking '', (2) or (3)''; and

(3) in subsection (e), by striking ''subsection (b)(2)'' and inserting ''subsection (b)(1)(B)''.

**SEC. 523. LIMITATION OF EXTENSION OF PERIOD OF ACTIVE DUTY FOR A MEMBER WHO ACCEPTS A FELLOWSHIP, SCHOLARSHIP, OR GRANT.**

(a) LIMITATION.—Subsection (b) of section 2603 of title 10, United States Code, is amended by adding at the end ''No such period may exceed five years''.

(b) RETROACTIVE EFFECT.—An agreement under such subsection, made by a member of the Armed Forces on or before the date of the enactment of this Act, may not require such member to serve on active duty for a period longer than five years.

**SEC. 524. ELIMINATION OF TIME LIMIT FOR MANDATORY CHARACTERIZATIONS OF ADMINISTRATIVE DISCHARGES OF CERTAIN MEMBERS ON THE BASIS OF FAILURE TO RECEIVE COVID-19 VACCINE.**

Section 736(a) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 1161 note) is amended in the matter preceding paragraph (1) by striking ''During the time period beginning on August 24, 2021, and ending on the date that is two years after the date of the enactment of this Act, any'' and inserting ''Any''.

**SEC. 525. PROHIBITION ON USE OF PHOTOGRAPHS BY CERTAIN MILITARY PROMOTION BOARDS.**

(a) IN GENERAL.—The Secretary of Defense shall ensure that no military promotion record of a covered Armed Force includes any official or unofficial photographs.

(b) COVERED ARMED FORCE DEFINED.—In this section, the term ''covered Armed Force'' means the following:

(1) The Army.

(2) The Navy.

(3) The Marine Corps.

(4) The Air Force.

(5) The Space Force.

**SEC. 526. GENDER-NEUTRAL FITNESS STANDARDS FOR COMBAT MILITARY OCCUPATIONAL SPECIALTIES OF THE ARMY.**

(a) ESTABLISHMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army shall—

(1) establish gender-neutral fitness standards for combat MOSs that are higher than those for non-combat MOSs; and

(2) provide a briefing to the Committees on Armed Services of the Senate and House of Representatives setting forth—

(A) the list of combat MOSs described in paragraph (1); and

(B) the methodology used to determine whether to include an MOS on such list.

(b) MOS DEFINED.—In this section, the term ''MOS'' means a military occupational specialty.

**SEC. 527. RETENTION AND RECRUITMENT OF MEMBERS OF THE ARMY WHO SPECIALIZE IN AIR AND MISSILE DEFENSE SYSTEMS.**

(a) STUDY.—The Comptroller General of the United States shall study efforts to retain and recruit members with military occupational specialties regarding air and missile defense systems of the Army.

(b) REPORT.—Not later than six months 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 that identifies steps the Secretary of the Army may take to improve such retention and recruitment.

(c) IMPLEMENTATION.—Not later than September 30, 2023, the Secretary of the Army shall implement the steps identified in the report under subsection (b).

**SEC. 528. PILOT PROGRAM ON REMOTE PERSONNEL PROCESSING IN THE ARMY.**

(a) PILOT PROGRAM.—Not later than January 1, 2024, the Secretary of the Army shall implement a pilot program to test the use of a software application to expedite in-processing and out-processing at one or more military installations—

(1) under the jurisdiction of such Secretary; and

(2) located within the continental United States.

(b) APPLICATION REQUIREMENTS.—The software application shall perform the following functions:

(1) Enable the remote in-processing and out-processing of covered personnel, including by permitting covered personnel to electronically sign forms.

(2) Reduce the number of hours required of covered personnel for in-processing and out-processing.

(3) Provide, to covered personnel and the commander of a military installation concerned, electronic copies of records related to in-processing and out-processing.

(c) SELECTION OF LOCATION.—In selecting a military installation for the pilot program, the Secretary shall give priority to the military installation that is the least

popular according to preferences of Army officers in the Active Duty Officer Assignment Interactive Module.

(d) TERMINATION.—The pilot program shall terminate on January 1st, 2027.

(e) REPORT.—Not later than January 1, 2026, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives a report regarding the pilot program, including the recommendation of the Secretary whether to make the pilot program permanent.

(f) DEFINITIONS.—In this section:

(1) The term ''covered personnel'' includes members of the Army and civilian employees of the Department of the Army.

(2) The term ''in-processing'' means the administrative activities that covered personnel undertake pursuant to a permanent change of station.

(3) The term ''out-processing'' means the administrative activities that covered personnel undertake pursuant to a permanent change of station, separation from the Army, or end of employment with the Department of the Army.

# Subtitle D—Military Justice

**SEC. 531. SEXUAL HARASSMENT INDEPENDENT INVESTIGATIONS AND PROSECUTION.**

(a) INCLUSION OF SEXUAL HARASSMENT IN OFFENSES SUBJECT TO AUTHORITY OF SPECIAL TRIAL COUNSEL.—

(1) DEFINITION OF COVERED OFFENSE.—Section 801(17)(A) of title 10, United States Code (article 1(17)(A) of the Uniform Code of Military Justice), as added by section 533 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81), is amended—

(A) by striking ''or''; and

(B) by striking ''of this title'' and inserting '', or the standalone offense of sexual harassment punishable under section 934 (article 134) of this title''.

(2) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect two years after the coming into effect of the amendments made by section 533 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) as provided in section 539C of that Act.

(b) INDEPENDENT INVESTIGATION OF SEXUAL HARASSMENT.—

(1) DEFINITIONS.—Section 1561 of title 10, United States Code, as amended by section 543 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81), is amended—

(A) in subsection (a)—

(i) by striking ''or Space Force'' and inserting ''Space Force, or Coast Guard''; and

(ii) by inserting ''or the Department of Homeland Security (in the case of a matter involving the Coast Guard when not operating as a service in the Navy)'' after ''Department of Defense''; and

(B) by amending subsection (e) to read as follows:

''(e) DEFINITIONS.—In this section:

''(1) The term 'independent investigator' means a member of the armed forces or a civilian employee of the Department of Defense or the Department of Homeland Security (in the case of a matter involving the Coast Guard when not operating as a service in the Navy) who—

''(A) is outside the chain of command of the complainant and the subject of the investigation; and

''(B) is trained in the investigation of sexual harassment, as determined by—

''(i) the Secretary concerned, in the case of a member of the armed forces;

''(ii) the Secretary of Defense, in the case of a civilian employee of the Department of Defense; or

''(iii) the Secretary of Homeland Security, in the case of a civilian employee of the Department of Homeland Security.

''(2) The term 'sexual harassment' means conduct that constitutes the offense of sexual harassment as punishable under section 934 of this title (article 134) pursuant to the regulations prescribed by the Secretary of Defense for purposes of such section (article).''.

(2) EFFECTIVE DATE.—The amendments made by paragraph (1) shall take effect immediately after the coming into effect of the amendments made by section 543 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) as provided in subsection (c) of that section.

**SEC. 532. MATTERS IN CONNECTION WITH SPECIAL TRIAL COUNSEL.**

(a) DEFINITION OF COVERED OFFENSE.—

(1) IN GENERAL.—Paragraph (17)(A) of section 801 of title 10, United States Code (article 1 of the Uniform Code of Military Justice), as added by section 533 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1695) and amended by section 531, is further amended by striking ''section 920 (article 120)'' and inserting ''section 919a (article 119a), section 920 (article 120), section 920a (article 120a)''.

(2) EFFECTIVE DATE.—The amendments made by paragraph (1) shall—

(A) take effect on the date that is two years after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81); and

(B) apply with respect to any offenses that occur after that date.

(b) RESIDUAL PROSECUTORIAL DUTIES AND OTHER JUDICIAL, FUNCTIONS OF CONVENING AUTHORITIES IN COVERED CASES.—The President shall prescribe regulations to ensure that residual prosecutorial duties and other judicial functions of convening authorities, including but not limited to granting immunity, ordering depositions, and hiring experts, with respect to charges and specifications over which a special trial counsel exercises authority

pursuant to section 824a of title 10, United States Code (article 24a of the Uniform Code of Military Justice), are transferred to the military judge, the special trial counsel, or other authority as appropriate in such cases by no later than the effective date established in section 539C of the National Defense Authorization Act for fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 801 note), in consideration of due process for all parties involved in such a case.

(c) AMENDMENTS TO THE RULES FOR COURTS MARTIAL.—The President shall prescribe in regulation such modifications to Rule 813 of the Rules for Courts-Martial and other Rules as appropriate to ensure that at the beginning of each court-martial convened, the presentation of orders does not in open court specify the name, rank, or position of the convening authority convening such court, unless such convening authority is the Secretary concerned, the Secretary of Defense, or the President.

(d) BRIEFING REQUIRED.—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 of the Senate and the House of Representatives a briefing on the progress of the Department of Defense in implementing this section, including an identification of—

(1) the duties to be transferred under subsection (b);

(2) the positions to which those duties will be transferred; and

(3) any provisions of law or Rules for Courts Martial that must be amended or modified to fully complete the transfer.

(e) ADDITIONAL REPORTING RELATIVE TO IMPLEMENTATION OF SUBTITLE D OF TITLE V OF THE NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2022.—Not later than February 1, 2025, and annually thereafter for five years, the Secretary of Defense and the Secretary of the department in which the Coast Guard is operating (with respect to the Coast Guard) shall submit to the appropriate congressional committees a report assessing the holistic effect of the reforms contained in subtitle D of title V of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) on the military justice system. The report shall include the following elements:

(1) An overall assessment of the effect such reforms have had on the military justice system and the maintenance of good order and discipline in the ranks.

(2) The percentage of caseload and courts-martial assessed as meeting, or having been assessed as potentially meeting, the definition of ''covered offense'', disaggregated by offense and military service where possible.

(3) An assessment of prevalence and data concerning disposition of cases by commanders after declination of prosecution by special trial counsel, disaggregated by offense and military service when possible.

(4) Assessment of the effect, if any, the reforms contained in such subtitle have had on non-judicial punishment concerning covered and non-covered offenses.

(5) A description of the resources and personnel required to maintain and execute the reforms made by such subtitle during the reporting period relative to fiscal year 2022.

(6) A description of any other factors or matters considered by the Secretary to be important to a holistic assessment of these reforms on the military justice system.

(f) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means the following:

(1) The Committee on Armed Services of the House of Representatives.

(2) The Committee on Armed Services of the Senate.

(3) The Committee on Transportation and Infrastructure of the House of Representatives.

(4) The Committee on Commerce, Science, and Transportation of the Senate.

**SEC. 533. STANDARDS FOR IMPOSITION OF COMMANDING OFFICER'S NON-JUDICIAL PUNISHMENT.**

(a) COMMANDING OFFICER'S NON-JUDICIAL PUNISHMENT.—

(1) IN GENERAL.—Section 815 of title 10, United States Code (article 15 of the Uniform Code of Military Justice), is amended—

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

(B) by inserting after subsection (b), the following new subsection:

''(c)(1) Except as provided in paragraphs (2) and (3), a commanding officer may not impose a punishment authorized in subsection (b) unless, before the imposition of such punishment, the commanding officer—

''(A) requests and receives legal guidance regarding the imposition of such punishment from a judge advocate or other legal officer of the armed force of which the commanding officer is a member; and

''(B) provides the member who may be subject to such punishment with an opportunity to consult appropriate legal counsel.

''(2) Paragraph (1) shall not apply to the punishments specified in subparagraphs (E) and (F) of subsection (b)(2).

''(3) A commanding officer may waive the requirements set forth in subparagraphs (A) and (B) of paragraph (1), on a case by case basis, if the commanding officer determines such a waiver is necessary on the basis of operational necessity.''; and

(C) in subsection (f), as so redesignated, by striking ''subsection (d)'' and inserting ''subsection (e)''.

(2) EFFECTIVE DATE AND APPLICABILITY.—The amendments made by paragraph (1) shall take effect 180 days after the date of the enactment of this Act and shall apply with respect to punishments imposed under section 815 of title 10, United States

Code (article 15 of the Uniform Code of Military Justice), on or after such effective date.

(3) ADDITIONAL GUIDANCE REQUIRED.—Not later than one year after the date of the enactment of this Act, each Secretary concerned shall prescribe regulations or issue other written guidance with respect to non-judicial punishment under section 815 of title 10, United States Code (article 15 of the Uniform Code of Military Justice) that—

(A)(i) identifies criteria to be considered when determining whether a member of the armed forces is attached to or embarked in a vessel for the purposes of determining whether such member may demand trial by court-martial in lieu of punishment under such section (article); and

(ii) establishes a policy about the appropriate and responsible invocation of such exception; and

(B) establishes criteria commanders must consider when evaluating whether to issue a waiver under subsection (c)(3) of such section (article) (as added by paragraph (1) of this subsection) on the basis of operational necessity.

(b) MODIFICATION OF ANNUAL REPORTS ON RACIAL AND ETHNIC DEMOGRAPHICS IN THE MILITARY JUSTICE SYSTEM.—Section 486(b) of title 10, United States Code, is amended—

(1) in paragraph (7), by striking ''and'' at the end;

(2) in paragraph (8), by striking the period at the end and inserting a semicolon; and

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

''(9) with respect to principals on sea duty who were not attached to or embarked in a vessel (as determined by the Secretary of the Navy or the Secretary of the department in which the Coast Guard is operating), the number of non-judicial punishments proposed and finalized under section 815 of this title (article 15 of the Uniform Code of Military Justice), in total and disaggregated by—

''(A) whether the commanding officer imposing non-judicial punishment requested and received legal guidance regarding the imposition of such punishment from a judge advocate or other legal officer of the armed force of which the commanding officer is a member;

''(B) whether the principal was provided the opportunity to consult appropriate legal counsel; and

''(C) statistical category as related to the principal; and

''(10) with respect to principals on sea duty who were attached to or embarked in a vessel (as determined by the Secretary of the Navy or the Secretary of the department in which the Coast Guard is operating), the number of non-judicial punishments proposed and finalized under section 815 of this title (article 15 of the Uniform Code of Military Justice), in total and disaggregated by—

''(A) whether the commanding officer imposing non-judicial punishment requested and received legal guidance regarding the imposition of such punishment from a judge advocate or other legal officer of the armed force of which the commanding officer is a member;

''(B) whether the principal was provided the opportunity to consult appropriate legal counsel; and

''(C) statistical category as related to the principal.''.

**SEC. 534. SPECIAL TRIAL COUNSEL OF THE AIR FORCE.**

(a) IN GENERAL.—Section 1044f of title 10, United States Code, is amended—

(1) in subsection (a), in the matter preceding paragraph (1), by striking ''The policies shall'' and inserting ''Subject to subsection (c), the policies shall'';

(2) by redesignating subsection (c) as subsection (d); and

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

''(c) SPECIAL TRIAL COUNSEL OF DEPARTMENT OF THE AIR FORCE.—In establishing policies under subsection (a), the Secretary of Defense shall—

''(1) in lieu of providing for separate offices for the Air Force and Space Force under subsection (a)(1), provide for the establishment of a single dedicated office from which office the activities of the special trial counsel of the Department of the Air Force shall be supervised and overseen; and

''(2) in lieu of providing for separate lead special trial counsels for the Air Force and Space Force under subsection (a)(2), provide for the appointment of one lead special trial counsel who shall be responsible for the overall supervision and oversight of the

activities of the special trial counsel of the Department of the Air Force.''.

(b) EFFECTIVE DATE.—The amendments made subsection (a) shall take effect immediately after the coming into effect of the amendments made by section 532 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) as provided in section 539C of that Act.

**SEC. 535. FINANCIAL ASSISTANCE FOR VICTIMS OF OFFENSES UNDER THE UNIFORM CODE OF MILITARY JUSTICE.**

(a) MILITARY CRIME VICTIMS FINANCIAL ASSISTANCE FUND.—Chapter 53 of title 10, United States Code, is amended by inserting before section 1045 the following new section:

**''§ 1044g. Military Crime Victims Financial Assistance Fund**

''(a) ESTABLISHMENT.—There is established in the Treasury of the United States a fund to be known as the 'Military Crime Victims Financial Assistance Fund' (referred to in this section as the 'Fund').

''(b) ADMINISTRATION OF FUND.—The Secretary of the Treasury shall administer the Fund consistent with the provisions of this section.

''(c) DEPOSITS.—There shall be deposited in the Fund the following:

''(1) Any amounts appropriated to the Fund.

''(2) Any amounts donated to the Fund.

''(d) AVAILABILITY AND USE OF FUND.—Amounts in the Fund shall, to the extent provided in appropriations Acts, be available solely for the payment of financial assistance to victims of covered violent offenses in accordance with the regulations prescribed under subsection (e).

''(e) REGULATIONS.—Not later than one year after the date of the enactment of this section, the Secretary of Defense shall prescribe regulations pursuant to which a victim of a covered violent offense may apply for and receive financial assistance payments from the Fund. Such regulations shall provide as follows:

''(1) A victim of a covered violent offense may apply to the Fund for—

''(A) a standard payment;

''(B) a reimbursement payment; or

''(C) a standard payment and a reimbursement payment.

''(2) A standard payment to a victim shall be a fixed amount determined by the Secretary of Defense for each covered violent offense.

''(3) A reimbursement payment to a victim shall be an amount determined by the Secretary of Defense that is sufficient to reimburse the victim for health care expenses, travel expenses, and expenses for property damage resulting from the covered violent offense, subject to such limits as the Secretary may prescribe. A reimbursement payment may not be made for any expenses for which a victim receives reimbursement from other sources, including insurance claims.

''(4) An individual victim may receive not more than $50,000 from the Fund per incident.

''(5) The eligibility of a victim to receive payments from the Fund shall be subject to such terms, conditions, and other requirements as the Secretary may prescribe.

''(6) The Secretary may not make a payment from the Fund if the amount of such payment would exceed the amounts available in the fund.

''(f) ANNUAL REPORTS.—Not later than February 1 of each year, the Secretaries concerned, in consultation with the Secretary of the Treasury, shall submit to the appropriate congressional committees a report that includes—

''(1) a summary of the amounts deposited to and paid from the Fund during the preceding year;

''(2) the number of victims who received payments from the Fund during the preceding year, set forth separately for each covered violent offense; and

''(3) an estimate of the amount of appropriations required, if any, to maintain the solvency of the fund for the period of two fiscal years following the date of the report.

''(g) DEFINITIONS.—In this section:

''(1) The term 'appropriate congressional committees' means the following:

''(A) The congressional defense committees.

''(B) The Committee on Transportation and Infrastructure of the House of Representatives.

''(C) The Committee on Commerce, Science, and Transportation of the Senate.

''(2) The term 'covered violent offense' means—

''(A) an offense under section 918 (article 118), section 919 (article 119), section 919a (article 119a), section 920 (article 120), section 920b (article 120b), section 920c (article 120c), section 922 (article 122), section 925 (article

125), section 928 (article 128), section 928a (article 128a), section 928b (article 128b), section 930 (article 130), or the standalone offense of sexual harassment as punishable under section 934 (article 134) of this title; or

''(B) an attempt to commit an offense specified in subparagraph (A) as punishable under section 880 of this title (article 880).

''(3) The term 'victim' means individual who has suffered direct physical, emotional, or pecuniary harm as a result of the commission of a covered violent offense.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting before the item relating to section 1045 the following new item:

''1044g. Military Crime Victims Financial Assistance Fund.''.

(c) APPLICABILITY.—Eligibility to receive a payment from the Military Crime Victims Financial Assistance Fund under section 1044g of title 10, United States Code (as added by subsection (a)), shall be limited to individuals who—

(1) are victims of covered violent offenses that occur on or after the date of the enactment of this Act; and

(2) apply for payment from the Fund after the effective date of the regulations prescribed under subsection (e) of such section 1044g.

(d) PROGRESS REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report on plans of the Secretary for implementing the Military Crime Victims Financial Assistance Fund under section 1044g of title 10, United States Code (as added by subsection (a)).

(2) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term ''appropriate congressional committees'' means the following:

(A) The congressional defense committees.

(B) The Committee on Transportation and Infrastructure of the House of Representatives.

(C) The Committee on Commerce, Science, and Transportation of the Senate.

**SEC. 536. ADDRESSING SEX-RELATED OFFENSES AND SEXUAL HARASSMENT INVOLVING MEMBERS OF THE NATIONAL GUARD.**

(a) ADDRESSING CERTAIN SEX-RELATED OFFENSES.—

(1) IN GENERAL.—Chapter 80 of title 10, United States Code, is amended by inserting after section 1561b the following new section:

**"§ 1561c. Addressing sex-related offenses and sexual harassment involving members of the National Guard**

''(a) IN GENERAL.—An adjutant general who receives notice of an allegation of a sex-related offense or sexual harassment committed by a member of the National Guard under the jurisdiction of the adjutant general shall, not later than 72 hours after receiving such notice—

''(1) report the allegation to the Chief of the National Guard Bureau; and

''(2) ensure that the alleged victim is informed of the availability of Special Victims' Counsel in accordance with section 1044e of this title, as applicable.

''(b) INITIAL REPORT.—

''(1) ELEMENTS.—Each report under subsection (a)(1) shall include the following:

''(A) A summary of the allegation.

''(B) Identification of—

''(i) the individual who is alleged to have committed the offense;

''(ii) the alleged victim of the offense; and

''(iii) the individual or entity that is investigating the allegation.

''(C) A statement indicating whether the alleged victim has been informed of the availability of legal counsel in accordance with subsection (a)(2).

''(2) LATE REPORTS.—In the event that an adjutant general submits a report required under subsection (a) after the expiration of the 72-hour period specified in such subsection, the report shall include—

''(A) the information specified in paragraph (1); and

''(B) an explanation of the reasons the report was not timely submitted.

''(c) FINAL REPORT.—Not later than 30 days after determining whether or not to take action against a member of the National guard accused of a sex-related offense or sexual harassment, the adjutant general shall submit to the Chief of the National Guard Bureau a report that includes—

''(1) the information described in subparagraphs (A) and (B) of subsection (b)(1);

''(2) a description of any administrative, judicial, or other action taken against the member; and

''(3) if no such action was taken, an explanation of the reasons the adjutant general declined to take such action.

''(d) APPLICABILITY.—The requirements of this section shall apply with respect to an allegation of a sex-related offense or sexual harassment of which an adjutant general receives notice after the date of the enactment of this section without regard to—

''(1) the jurisdiction in which the offense occurred; or

''(2) whether prosecution for the offense would be time barred by a statute of limitations.

''(e) DEFINITIONS.—In this section:

''(1) The term 'sex-related offense' means an alleged sex-related offense (as defined in section 1044e(h) of this title).

''(2) The term 'sexual harassment' means the offense of sexual harassment as punishable under section 934 of this title (article 134 of the Uniform Code of Military Justice) pursuant to the regulations prescribed by the Secretary of Defense for purposes of such section (article).''.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 1561b the following new item:

"1561c. Addressing sex-related offenses and sexual harassment involving members of the National Guard.".

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect immediately after the effective date of the amendments made by part 1 of subtitle D of title V of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) as provided in section 539C of that Act.

(c) IMPLEMENTATION.—The Secretary of Defense shall prescribe regulations implementing section 1561c of title 10, United States Code, as added by subsection (a).

**SEC. 537. PROHIBITION ON SHARING OF INFORMATION ON DOMESTIC VIOLENCE INCIDENTS.**

Section 1562 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(c) PROHIBITION ON SHARING OF CERTAIN INFORMATION.—

"(1) IN GENERAL.—In a case in which the information maintained and reported by the Secretary of a military department under subsection (b) includes the findings of an Incident Determination

Committee, the Secretary may not share such findings with any party other than the administrator of the database under subsection (a).

''(2) WAIVER.—The Secretary of Defense may waive the prohibition under paragraph (1) on a case-by-case basis if the Secretary determines that it is necessary to share the findings of an Incident Determination Committee with a member of the Armed Forces or a civilian employee of the Department of Defense acting within the scope of their official duties.

''(3) INCIDENT DETERMINATION COMMITTEE DEFINED.—In this subsection, the term 'Incident Determination Committee' means a committee established at a military installation that is responsible for reviewing a reported incident of domestic violence and determining whether such incident constitutes serious harm to the victim according to the applicable criteria of the Department of Defense.''.

**SEC. 538. MANDATORY NOTIFICATION OF MEMBERS OF THE ARMED FORCES IDENTIFIED IN CERTAIN RECORDS OF CRIMINAL INVESTIGATIONS.**

(a) IN GENERAL.—Chapter 80 of title 10, United States Code, is amended by adding at the end the following new section:

**"§ 1567b. Mandatory notification of members of the armed forces and reserve components identified in certain records of criminal investigations**

''(a) NOTIFICATION OF INCLUSION IN MCIO RECORDS.—As soon as practicable after the conclusion of a criminal investigation for which a military criminal investigative organization is the lead investigative agency, the head of such organization shall provide, to any member or a former member of the armed forces and reserve components who is designated in the records of the organization as a subject of such investigation, written notice of such designation.

''(b) INITIAL NOTIFICATION OF PREVIOUS INCLUSION IN MCIO RECORDS.—Not later than 180 days after the date of the enactment of this section, the head of each military criminal investigative organization shall provide, to any member or former member of the armed forces and reserve components who is designated after January 1, 2011 in the records of the organization as a subject of a criminal investigation that is closed as of such date, written notice of such designation.

''(c) CONTENTS OF NOTICE.—Each notice provided under subsection (a) and (b) shall include the following information—

''(1) The date on which the member was designated as a subject of a criminal investigation in the records of the military criminal investigative organization.

''(2) Identification of each crime for which the member was investigated, including a citation to each provision of chapter 47 of this title (the Uniform Code of Military Justice) that the member was suspected of violating, if applicable.

''(3) Instructions on how the member may seek removal of the record in accordance with subsection (d).

''(d) REMOVAL OF RECORD.—The Secretary of Defense shall—

''(1) establish a process through which a member of the armed forces and reserve components who receives a notice under subsection (a) or (b) may request the removal of the record that is the subject of such notice; and

''(2) issue uniform guidance, applicable to all military criminal investigative organizations, specifying the conditions under which such a record may be removed.

''(f) ON-GOING AND SENSITIVE INVESTIGATIONS.—The head of a military criminal investigative organization

may waive the notification requirements of this section if such head determines that a notification made pursuant to this section would—

''(1) endanger any witness or victim of the offense under investigation;

''(2) disclose the existence of an intelligence or counterintelligence investigation; or

''(3) compromise or reveal any other on-going criminal investigation.

''(e) MILITARY CRIMINAL INVESTIGATIVE ORGANIZATION DEFINED.—In this section, the term 'military criminal investigative organization' means any organization or element of the Department of Defense or an armed force that is responsible for conducting criminal investigations, including—

''(1) the Army Criminal Investigation Command;

''(2) the Naval Criminal Investigative Service;

''(3) the Air Force Office of Special Investigations;

''(4) the Coast Guard Investigative Service; and

''(5) the Defense Criminal Investigative Service.''.

(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. Mandatory notification of members of the armed forces and reserve components identified in certain records of criminal investigations.".

**SEC. 539. SENTENCING PARAMETERS UNDER THE UNIFORM CODE OF MILITARY JUSTICE FOR HATE CRIMES.**

Section 539E(e)(2)(A)(ii) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 856 note) is amended by inserting "(including whether the offense is described in section 249 of title 18)" after "district court".

**SEC. 539A. LIMITATION ON AVAILABILITY OF FUNDS FOR RELOCATION OF ARMY CID SPECIAL AGENT TRAINING COURSE.**

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Army may be obligated or expended to relocate an Army CID special agent training course until—

(1)(A) the Secretary of the Army submits to the Committees on Armed Services of the Senate and the House of Representatives—

(i) the evaluation and plan required by subsection (a) of section 549C of the National

Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1724);

(ii) the implementation plan required by subsection (b) of such section; and

(iii) a separate report on any plans of the Secretary to relocate an Army CID special agent training course, including an explanation of the business case for any transfer of training personnel proposed as part of such plan;

(B) the Secretary provides to the Committee on Armed Services of the House of Representatives a briefing on the contents of each report specified in subparagraph (A); and

(C) a period of 90 days has elapsed following the briefing under subparagraph (B); and

(2) the Secretary submits a written certification to the Committees on Armed Services of the Senate and the House of Representatives indicating that the Army has fully complied with subsection (c) of section 549C of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1724) with regard to locations at which military criminal investigative training is conducted.

(b) DEFINITIONS.—In this section:

(1) The term ''relocate'', when used with respect to an Army CID special agent training course, means the transfer of such course to a location different than the location used for such course as of the date of the enactment of this Act.

(2) The term ''Army CID special agent training course'' means a training course provided to members of the Army to prepare such members for service as special agents in the Army Criminal Investigation Division.

**SEC. 539B. RECOMMENDATIONS FOR SENTENCING OF MARIJUANA-BASED OFFENSES UNDER THE UNIFORM CODE OF MILITARY JUSTICE.**

(a) RECOMMENDATIONS.—The Military Justice Review Panel shall develop recommendations specifying appropriate sentencing ranges for offenses involving the use and possession of marijuana under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice). In developing such recommendations, the Military Justice Review Panel shall consider—

(1) how the sentences typically imposed for marijuana-based offenses under such chapter compare to the sentences typically imposed for other comparable offenses, such as offenses involving the misuse of alcohol; and

(2) the overall burden on the military justice system of the current approach of the Department of Defense to sentencing marijuana-based offenses under such chapter.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Military Justice Review Panel shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes the recommendations developed under subsection (a).

**SEC. 539C. REPORT ON SHARING INFORMATION WITH COUNSEL FOR VICTIMS OF OFFENSES UNDER THE UNIFORM CODE OF MILITARY JUSTICE.**

(a) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces (referred to in this section as the ''Advisory Committee'') shall submit to the appropriate congressional committees and each Secretary concerned a report on the feasibility and advisability of establishing a uniform policy for the sharing of the information described in subsection (c) with a Special Victims' Counsel, Victims' Legal Counsel, or other counsel representing a victim of an offense under chapter 47 of

title 10, United States Code (the Uniform Code of Military Justice).

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

(1) An assessment of the feasibility and advisability of establishing the uniform policy described in subsection (a), including an assessment of the potential effects of such a policy on—

(A) the privacy of individuals;

(B) the criminal investigative process; and

(C) the military justice system generally.

(2) If the Advisory Committee determines that the establishment of such a policy is feasible and advisable, a description of—

(A) the stages of the military justice process at which the information described in subsection (c) should be made available to counsel representing a victim; and

(B) any circumstances under which some or all of such information should not be shared.

(3) Such recommendations for legislative or administrative action as the Advisory Committee considers appropriate.

(c) INFORMATION DESCRIBED.—The information described in this subsection is the following:

(1) Any recorded statements of the victim to investigators.

(2) The record of any forensic examination of the person or property of the victim, including the record of any sexual assault forensic exam of the victim that is in possession of investigators or the Government.

(3) Any medical record of the victim that is in the possession of investigators or the Government.

(d) DEFINITIONS.—In this section—

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Commerce, Science, and Transportation of the Senate; and

(C) the Committee on Transportation and Infrastructure of the House of Representatives.

(2) The term ''Secretary concerned'' has the meaning given that term in section 101(a)(9) of title 10, United States Code.

# Subtitle E—Other Legal Matters

**SEC. 541. CLARIFICATIONS OF PROCEDURE IN INVESTIGATIONS OF PERSONNEL ACTIONS TAKEN AGAINST MEMBERS OF THE ARMED FORCES IN RETALIATION FOR PROTECTED COMMUNICATIONS.**

(a) IN GENERAL.—Subparagraphs (D) and (E) of paragraph (4) of section 1034(c) of title 10, United States Code, is amended to read as follows:

''(D)(i) Upon determining that an investigation of an allegation under paragraph (1) is warranted, the Inspector General making the determination shall expeditiously investigate the allegation to determine whether the protected communication or activity under subsection (b) was a contributing factor in the personnel action prohibited under subsection (b) that was taken or withheld (or threatened to be taken or withheld) against a member of the armed forces.

''(ii) In the case of a determination made by the Inspector General of the Department of Defense, that Inspector General may delegate responsibility for the investigation to an appropriate Inspector General of a military department.

''(iii) The member alleging the prohibited personnel action may use circumstantial evidence to demonstrate

that the protected communication or activity under subsection (b) was a contributing factor in the personnel action prohibited under subsection (b). Such circumstantial evidence may include that the person taking such prohibited personnel action knew of the protected communication or activity, and that the prohibited personnel action occurred within a period of time such that a reasonable person could conclude that the communication or protected activity was a contributing factor in the personnel action.

''(iv) If the Inspector General determines it likelier than not that the member made a communication or participated in an activity protected under subsection (b) that was a contributing factor in a personnel action described in such subsection, the Inspector General shall presume such personnel action to be prohibited under such subsection unless the Inspector General determines there is clear and convincing evidence that the same personnel action would have occurred in the absence of such protected communication or activity.

''(E) If the Inspector General preliminarily determines in an investigation under subparagraph (D) that a personnel action prohibited under subsection (b) has occurred and that such personnel action shall result in an immediate hardship to the member alleging the personnel action, the Inspector General shall promptly notify the

Secretary of the military department concerned or the Secretary of Homeland Security, as applicable, of the hardship, and such Secretary shall take such action as such Secretary determines appropriate.''.

(b) TECHNICAL AMENDMENTS.—Such paragraph is further amended in subparagraphs (A) and (B) by striking ''subsection (h)'' both places it appears and inserting ''subsection (i)''.

**SEC. 542. PRIMARY PREVENTION OF VIOLENCE.**

(a) ANNUAL PRIMARY PREVENTION RESEARCH AGENDA.—Section 549A(c) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81l 10 U.S.C. 1561 note) is amended—

(1) by redesignating paragraphs (2), (3), and (4) as paragraphs (5), (6), and (7), respectively;

(2) by inserting after paragraph (1) the following new paragraphs:

''(2) include a focus on whether and to what extent sub-populations of the military community may be targeted for sexual assault, sexual harassment, or domestic violence more than others;

''(3) seek to identify factors that influence the prevention, perpetration, and victimization of sexual assault, sexual harassment, and domestic violence;

''(4) seek to improve the collection and dissemination of data on hazing and bullying related to sexual assault, sexual harassment, and domestic violence;''; and

(3) in paragraph (6), as redesignated by paragraph (1) of this section, by amending the text to read as follows:

''(6) incorporate collaboration with other Federal departments and agencies, including the Department of Health and Human Services and the Centers for Disease Control and Prevention, State governments, academia, industry, federally funded research and development centers, nonprofit organizations, and other organizations outside of the Department of Defense, including civilian institutions that conduct similar data-driven studies, collection, and analysis; and''.

(b) PRIMARY PREVENTION WORKFORCE.—Section 549B of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 501 note) is amended—

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

''(3) COMPTROLLER GENERAL REPORT.—Not later than one year after the date of the enactment

of the National Defense Authorization Act for Fiscal Year 2023, the Comptroller General of the United States shall submit to the appropriate congressional committees a report comparing the sexual harassment and prevention training of the Department of Defense with similar programs at other Federal departments and agencies and including data collected by colleges and universities and other relevant outside entities.''; and

(2) by adding at the end the following new subsections:

''(e) INCORPORATION OF RESEARCH AND FINDINGS.—The Primary Prevention Workforce established under subsection (a) shall, on a regular basis, incorporate findings and conclusions from the primary prevention research agenda established under section 549A, as appropriate, into the work of the workforce.

''(f) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term 'appropriate congressional committees' means the following:

''(1) The Committees on Armed Services of the Senate and House of Representatives.

''(2) The Committees on Appropriations of the Senate and House of Representatives.

''(3) The Committee on Committee on Homeland Security and Governmental Affairs of the Senate.

''(4) The Committee on Oversight and Reform of the House of Representatives.''.

**SEC. 543. TREATMENT OF CERTAIN COMPLAINTS FROM MEMBERS OF THE ARMED FORCES.**

(a) REGULATIONS REQUIRED.—Not later than 180 days after the date of the enactment of this Act, each Secretary of a military department shall issue regulations implementing subsections (b) and (c).

(b) MANDATORY IG INVESTIGATION OF CERTAIN COMPLAINTS.—

(1) INSPECTOR GENERAL INVESTIGATION.—A complaint described in paragraph (2) from a member an Armed Force under the jurisdiction of the Secretary of a military department—

(A) may be investigated only by the Inspector General of the Armed Force or military department concerned; and

(B) may not be referred to an individual in the chain of command of the complainant for investigation.

(2) COMPLAINT DESCRIBED.—A complaint described in this paragraph—

(A) is a complaint alleging that there was a violation of a Department of Defense policy relating to the investigation, processing, or other administrative treatment of a report sexual assault, sexual harassment, or domestic violence; and

(B) does not include a complaint alleging an actual act of sexual harassment, sexual assault, or domestic violence.

(c) OPPORTUNITY TO WITHDRAW COMPLAINTS BEFORE REFERRAL TO CHAIN OF COMMAND.—

(1) NOTICE AN OPPORTUNITY TO WITHDRAW.—An Inspector General of an Armed Force or military department who is in receipt of a complaint that is eligible for referral to the chain of command of the complainant may refer such complaint to the chain of command only if the Inspector General—

(A) notifies the complainant of the intent of the Inspector General to make such referral; and

(B) provides the complainant with the opportunity to withdraw the complaint during the period of 10 days following the issuance of such notice.

(2) EFFECT OF WITHDRAWAL.—If a complainant withdraws a complaint pursuant to paragraph (1)(B), the Inspector General may not refer the complaint to an individual in the complainant's chain of command and there shall be no further investigation of the complaint.

**SEC. 544. PILOT PROGRAM ON FINANCIAL ASSISTANCE FOR VICTIMS OF DOMESTIC VIOLENCE.**

(a) IN GENERAL.—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 the Secretary makes grants, on a discretionary basis, to qualified victims of domestic violence to assist such victims in seeking refuge from an abuser.

(b) DISBURSEMENT.—A grant under subsection (a) may be disbursed—

(1) as a single, lump sum payment; or

(2) in multiple payments at such times and in such amounts as the Secretary determines appropriate.

(c) MAXIMUM AMOUNT.—A qualified victim of domestic violence may receive not more than a total of $7,500 in grants under subsection (a) during the victim's lifetime.

(d) REPORT.—Not later than one year prior to the termination date specified in subsection (e), the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that—

(1) evaluates the effectiveness of the pilot program under this section; and

(2) indicates whether the pilot program should be continued or expanded.

(e) TERMINATION.—The authority to carry out the pilot program under this section shall terminate six years after the date of the enactment of this Act.

(f) REGULATIONS.—The Secretary of Defense shall prescribe regulations implementing this section.

(g) DEFINITIONS.—In this section:

(1) The term ''domestic violence'' means an act described in section 928b of title 10, United States Code (article 128b of the Uniform Code of Military Justice).

(2) The term ''qualified victim of domestic violence'' means an individual who meets the following criteria:

(A) The individual is a member of an Armed Force or a spouse, intimate partner, or

immediate family member of a member of an Armed Force.

(B) The individual reported an incident of domestic violence to an organization or element of the Department of Defense or to a civilian law enforcement organization.

(C) The individual or a dependent of that individual was an alleged victim of such incident.

(D) The individual demonstrates—

(i) an intent to seek refuge from the alleged abuser; and

(ii) a need for financial assistance.

**SEC. 545. AGREEMENTS WITH CIVILIAN VICTIM SERVICE AGENCIES.**

(a) GUIDANCE REQUIRED.—The Secretary of Defense, in consultation with the Secretaries of the military departments and the Secretary of the department in which the Coast Guard is operating (with respect to the Coast Guard), shall issue guidance pursuant to which installation commanders may enter into memoranda of understanding with qualified victim service agencies for purposes of providing services to victims of sexual assault in accordance with subsection (b).

(b) CONTENTS OF AGREEMENT.—A memorandum of understanding entered into under subsection (a) shall provide that personnel of the sexual assault prevention and response program at a military installation may refer a victim of sexual assault to a qualified civilian victim service agency if such personnel determine that such a referral would benefit the victim.

(c) VICTIM SERVICE AGENCY DEFINED.—In this section, the term ''victim service agency'' means an agency which may provide legal services, counseling, or safe housing.

**SEC. 546. ACTIVITIES TO IMPROVE INFORMATION SHARING AND COLLABORATION ON MATTERS RELATING TO THE PREVENTION OF AND RESPONSE TO DOMESTIC ABUSE AND CHILD ABUSE AND NEGLECT AMONG MILITARY FAMILIES.**

(a) ENHANCEMENT OF ACTIVITIES FOR AWARENESS OF MILITARY FAMILIES REGARDING FAMILY ADVOCACY PROGRAMS AND OTHER SIMILAR SERVICES.—

(1) PILOT PROGRAM ON INFORMATION ON FAPS FOR FAMILIES.—The Secretary of Defense shall carry out a pilot program to assess the feasibility and advisability of various mechanisms to inform families about the Family Advocacy Programs and resiliency training of the covered Armed Forces dur-

ing command orientation and during enrollment in the Defense Enrollment Eligibility Reporting System. The matters assessed by the pilot program shall include the following:

(A) An option for training of family members on the Family Advocacy Programs.

(B) The provision to families of information on the resources available through the Family Advocacy Programs.

(C) The availability through the Family Advocacy Programs of both restricting and unrestricted reporting on incidents of domestic abuse.

(D) The provision to families of information on the Military OneSource program of the Department of Defense.

(E) The provision to families of information on resources relating to domestic abuse and child abuse and neglect that are available through local community service organizations.

(F) The availability of the Military and Family Life Counseling Program.

(2) OUTREACH ON FAP AND SIMILAR SERVICES FOR MILITARY FAMILIES.—Each Secretary of a military department shall improve the information avail-

able to military families under the jurisdiction of such Secretary that are the victim of domestic abuse or child abuse and neglect in order to provide such families with comprehensive information on the services available to such families in connection with such violence and abuse and neglect. The information so provided shall include a complete guide to the following:

(A) The Family Advocacy Program of the covered Armed Force or military department concerned.

(B) Military law enforcement services, including the process following a report of an incidence of domestic abuse or child abuse or neglect.

(C) Other applicable victim services.

(b) IMPROVEMENT OF COLLABORATION IN DOMESTIC ABUSE PREVENTION SERVICES.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, Department of Defense Instruction 6400.01, relating to the Family Advocacy Program of the Department of Defense, shall be modified to enhance collaboration among the programs and entities specified in paragraph (2) for the purpose of leveraging the expertise

and resources of such programs and components to order to improve the availability and scope of domestic abuse prevention services for military families.

(2) PROGRAMS AND ENTITIES.—The programs and entities specified in this paragraph are the following:

(A) The Family Advocacy Program of the Department of Defense.

(B) The Sexual Assault Prevention and Response Office of the Department of Defense.

(C) The Defense Suicide Prevention Office..

(D) The Defense Equal Opportunity Management Institute.

(E) The Defense Health Agency.

(F) The substance abuse prevention programs and entities of the covered Armed Forces.

(G) Relevant programs and entities of the Department of Veterans Affairs.

(H) Civilian organizations with missions relevant to domestic abuse prevention, including community health and social services organizations.

(I) Such other programs and entities as the Secretary of Defense considers appropriate.

(c) COVERED ARMED FORCE DEFINED.—In this section, the term ''covered Armed Force'' means the following:

(1) The Army.

(2) The Navy.

(3) The Marine Corps.

(4) The Air Force.

(5) The Space Force.

# Subtitle F—Member Education

**SEC. 551. INCREASE IN MAXIMUM NUMBER OF STUDENTS ENROLLED AT UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES.**

Section 2114(f)(2) of title 10, United States Code, is amended by striking ''40'' and inserting ''60''.

**SEC. 552. AUTHORIZATION OF CERTAIN SUPPORT FOR MILITARY SERVICE ACADEMY FOUNDATIONS.**

(a) IN GENERAL.—Subchapter I of chapter 134 of title 10, United States Code, is amended by inserting after section 2245 the end the following new section:

**"§ 2246. Authorization of certain support for military service academy foundations**

''(a) AUTHORITY.—Subject to subsection (b), the Secretary of the military department concerned may provide the following support to a covered foundation:

''(1) The use, on an unreimbursed basis, of facilities or equipment of the United States by the covered foundation, authorized by any—

''(A) general or flag officer;

''(B) Senior Executive Service employee assigned to the Service Academy supported by that covered foundation; or

''(C) official designated by the Secretary concerned.

''(2) Endorsement by an individual described in paragraph (1) of—

''(A) the covered foundation;

''(B) an event of the covered foundation; or

''(C) an activity of the covered foundation.

''(b) LIMITATIONS.—Support under subsection (a) may be provided only if such support—

''(1) is without any liability of the United States to the covered foundation;

''(2) does not affect the ability of any official or employee of the military department concerned, or

any member of the armed forces, to carry out any responsibility or duty in a fair and objective manner;

''(3) does not compromise the integrity or appearance of integrity of any program of the military department concerned, or any individual involved in such a program; and

''(4) does not include the participation of any cadet or midshipman, other than participation in an honor guard at an event of the covered foundation.

''(c) BRIEFING.—In any fiscal year during which support is provided under subsection (a), the Secretary of the military department concerned shall provide a briefing not later than the last day of that fiscal year to the congressional defense committees regarding the number of events or activities of a covered foundation in which an individual described in subsection (a)(1) participated during such fiscal year.

''(d) DEFINITIONS.—In this section:

''(1) The term 'covered foundation' means a charitable, educational, or civic nonprofit organization under section 501(c)(3) of the Internal Revenue Code of 1986, that the Secretary concerned determines operates exclusively to support, with respect to a Service Academy, any of the following:

''(A) Recruiting.

''(B) Parent or alumni development.

''(C) Academic, leadership, or character development.

''(D) Institutional development.

''(E) Athletics.

''(2) The term 'Service Academy' has the meaning given such term in section 347 of this title.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to item 2245 the following new item:

''2246. Authorization of certain support for military service academy foundations.''.

**SEC. 553. AGREEMENT BY A CADET OR MIDSHIPMAN TO PLAY PROFESSIONAL SPORT CONSTITUTES A BREACH OF SERVICE OBLIGATION.**

(a) UNITED STATES MILITARY ACADEMY.—Section 7448 of title 10, United States Code, is amended as follows:

(1) Paragraph (5) of subsection (a) is amended to read as follows:

''(5) The cadet may not obtain employment, including as a professional athlete, until after completing the cadet's commissioned service obligation.''.

(2) Subsection (b) is amended by adding at the end the following new paragraph:

''(4) A cadet who violates paragraph (5) of subsection (a) by obtaining employment as a professional athlete is not eligible for the alternative obligation under paragraph (1).''.

(3) Subsection (c) is amended—

(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) that a cadet who obtains employment as a professional athlete before completing the cadet's commissioned service obligation has breached an agreement under such subsection;''.

(4) Subsection (d) is amended—

(A) by striking ''with respect to an officer who is a graduate of the Academy'' and inserting ''with respect to a cadet''; and

(B) by striking ''officer's'' and inserting ''cadet's''.

(5) Subsection (f) is amended by striking ''the terms'' and inserting ''each term''.

(b) UNITED STATES NAVAL ACADEMY.—Section 8459 of title 10, United States Code, is amended as follows:

(1) Paragraph (5) of subsection (a) is amended to read as follows:

''(5) The midshipman may not obtain employment, including as a professional athlete, until after completing the midshipman's commissioned service obligation.''.

(2) Subsection (b) is amended by adding at the end the following new paragraph:

''(4) A midshipman who violates paragraph (5) of subsection (a) by obtaining employment as a professional athlete is not eligible for the alternative obligation under paragraph (1).''.

(3) Subsection (c) is amended—

(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) that a midshipman who obtains employment as a professional athlete before completing the midshipman's commissioned service obligation has breached an agreement under such subsection;''.

(4) Subsection (d) is amended—

(A) by striking ''with respect to an officer who is a graduate of the Academy'' and inserting ''with respect to a midshipman''; and

(B) by striking ''officer's'' and inserting ''midshipman's''.

(5) Subsection (f) is amended by striking ''the terms'' and inserting ''each term''.

(c) UNITED STATES AIR FORCE ACADEMY.—Section 9448 of title 10, United States Code, is amended as follows:

(1) Paragraph (5) of subsection (a) is amended to read as follows:

''(5) The cadet may not obtain employment, including as a professional athlete, until after completing the cadet's commissioned service obligation.''.

(2) Subsection (b) is amended by adding at the end the following new paragraph:

''(4) A cadet who violates paragraph (5) of subsection (a) by obtaining employment as a professional athlete is not eligible for the alternative obligation under paragraph (1).''.

(3) Subsection (c) is amended—

(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) that a cadet who obtains employment as a professional athlete before completing the cadet's

commissioned service obligation has breached an agreement under such subsection;''.

(4) Subsection (d) is amended—

(A) by striking ''with respect to an officer who is a graduate of the Academy'' and inserting ''with respect to a cadet''; and

(B) by striking ''officer's'' and inserting ''cadet's''.

(5) Subsection (f) is amended by striking ''the terms'' and inserting ''each term''.

**SEC. 554. NAVAL POSTGRADUATE SCHOOL: ATTENDANCE BY ENLISTED MEMBERS.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that:

(1) The demands of the future operating environment need to be met by the most professional, intelligent, innovative, and capable servicemembers our nation has ever produced.

(2) Though officers comprise roughly 18% of the armed forces, they receive significantly higher investments into their education up to the PhD level than that of their enlisted counterparts.

(3) Investing in enlisted advanced education will strengthen the lethality of the armed forces by producing higher quantities of noncommissioned offi-

cers able to operate through the intellectual demands of complex contingencies, producing military leaders at rates higher than is otherwise feasible with the pool of eligible officers.

(4) Conducting research and analysis on the impact of advanced education on enlisted servicemembers performance, promotion rate, misconduct, and retention is critical to propelling the Department of Defense's initiatives for a modern, state-of-the art approach to education and research to create and sustain an intellectual overmatch in today's warfighting domains.

(5) The Naval Postgraduate School serves as a converging point for all branches of the United States military while simultaneously offering innovative learning environments that, combined, offers an ideal testing ground to evaluate the potential benefits of expanding enlisted higher education across the Joint Force.

(b) IN GENERAL.—Subsection (a)(2)(D)(iii) of section 8545 of title 10, United States Code, is amended by striking ''only on a space-available basis'' and inserting ''at a rate of acceptance not to be conditioned by the number of officer applications''.

(c) BRIEFING.—Six years after the date of the enactment of this Act, the Secretary of Defense shall brief the Committees on Armed Services of the Senate and House of Representatives on the effects of increasing enrollment of enlisted members at the Naval Postgraduate School pursuant to the amendment made by subsection (a). Such briefing shall include the following elements:

(1) Any increase to the lethality of the Armed Forces.

(2) Effects on rates of recruitment, promotion (including compensation to members), and retention.

(3) Effects on malign behavior by members of the Armed Forces.

**SEC. 555. AUTHORITY TO WAIVE TUITION AT UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY FOR CERTAIN PRIVATE SECTOR CIVILIANS.**

Section 9414a(e)(1) of title 10, United States Code, is amended—

(1) in by striking ''The United'' and inserting ''Subject to paragraph (3), the United''; and

(2) by adding at the end the following:

''(3) The Director and Chancellor of the United States Air Force Institute of Technology may waive tui-

tion for a student, enrolled under this section, who attends a course for professional continuing education.''.

**SEC. 556. TERMS OF PROVOST AND ACADEMIC DEAN OF THE UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY.**

(a) IN GENERAL.—Paragraph (2) of subsection (b) of section 9414b of title 10, United States Code, is amended to read as follows: ''An individual selected for the position of Provost and Chief Academic Officer shall serve in that position for a term of not more than five years and may be continued in that position for an additional term of up to five years''.

(b) CONFORMING AMENDMENT.—Paragraph (1) of such subsection is amended by striking ''appointed'' and inserting ''selected''.

**SEC. 557. ESTABLISHMENT OF CONSORTIUM FOR CURRICULA IN MILITARY EDUCATION.**

(a) ESTABLISHMENT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff, and in coordination with the Under Secretary of Defense for Personnel and Readiness, shall establish a consortium of the institutions of military education and covered entities.

(b) ACTIVITIES.—The duties of the consortium shall be to conduct research and develop common, research-based curricula for the institutions of military education in order to improve military education for students of the consortium members.

(c) CURRICULA.—

(1) IN GENERAL.—Curricula developed by the consortium shall—

(A) be more responsive to new opportunities and challenges in an era of great power competition, and in which security requires knowledge of economics, new technologies, supply chains, and adversarial governments;

(B) creatively apply military power to inform national strategy, conduct globally integrated operations, and fight under conditions of disruptive change; and

(C) include non-military topics, such as diplomacy, economics, information, intelligence, and culture.

(2) APPLIED DESIGN FOR INNOVATION OF THE DEFENSE ANALYSIS DEPARTMENT AT THE NAVAL POSTGRADUATE SCHOOL.—The Secretary may make permanent the curriculum of the Applied Design for Innovation of the Defense Analysis Department at

the Naval Postgraduate School and use such curriculum as a model to be replicated at other institutions of military education.

(d) DIRECTOR.—The Director of the consortium shall be the President of National Defense University.

(e) MEETINGS.—The consortium shall meet at the call of the Director, in accordance with the following:

(1) The consortium and the Chiefs of the Armed Forces shall meet not less than once annually to establish or revise curricula.

(2) The consortium shall meet not less than twice annually to establish a plan of action and milestones to prepare curricula.

(f) REPORTS.—

(1) INTERIM 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 Senate and House of Representative an interim report on the organization, activities, funding, actions and milestones of the consortium.

(2) ANNUAL REPORT.—Not later than September 30 of each year, beginning in 2024 and ending in 2028, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representative a report describing the activities,

funding, curricula created, and research conducted by the consortium during the preceding year.

(g) TERMINATION.—The consortium shall terminate on September 30, 2028.

(h) DEFINITIONS.—In this section:

(1) The term ''institutions of military education'' means—

(A) the professional military education schools;

(B) the senior level service schools;

(C) the intermediate level service schools;

(D) the joint intermediate level service school;

(E) the Naval Postgraduate School; and

(F) the military service academies.

(2) The term ''covered entity'' means—

(A) an institution of higher education that the Secretary determines has an established program of education regarding national security or technology relevant to the Department of Defense; or

(B) an entity that the Secretary determines conducts research in policy relevant to the Department of Defense.

(3) The term ''institution of higher education'' has the meaning given that term in section 101 of the Higher Education Act of 1965 (Public Law 89–329; 20 U.S.C. 1001).

(4) The terms ''intermediate level service school'', ''joint intermediate level service school'', and ''senior level service school'' have the meaning given such terms in section 2151 of title 10, United States Code.

(5) 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.

(6) The term ''professional military education schools'' means the schools specified in section 2162 of title 10, United States Code.

**SEC. 558. ESTABLISHMENT OF CONSORTIUM OF INSTITUTIONS OF MILITARY EDUCATION FOR CYBERSECURITY MATTERS.**

(a) ESTABLISHMENT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff and the Under Secretary of Defense for

Personnel and Readiness, shall establish a consortium of the institutions of military education and covered entities.

(b) FUNCTIONS.—The functions of the consortium include the following:

(1) To provide a forum for members of the consortium to share information regarding matters of education on cybersecurity, including—

(A) education of cyber mission forces;

(B) lessons learned;

(C) the intersection of cybersecurity across all warfighting domains; and

(D) other matters of cybersecurity related to national security.

(2) To develop a cybersecurity research agenda to—

(A) identify gaps in cybersecurity of the Department of Defense; and

(B) study offensive threats, defensive threats, and active deterrence in the cyber domain.

(3) To provide the Secretary, the consortium members, and other entities determined appropriate by the Secretary, access to the expertise of the members of the consortium on matters relating to cybersecurity.

(4) To align the efforts of the members of the consortium to support cybersecurity of the Department of Defense.

(c) DIRECTOR.—The Director of the consortium shall be the President of National Defense University. The Director shall consult and coordinate with representatives of the institutions of military education and covered entities.

(d) MEETINGS.—The consortium shall meet at the call of the Director, including—

(1) not less than once annually with the Chiefs of the Armed Forces; and

(2) not less than once annually to conduct cyber space war games wherein members of the consortium compete.

(e) COORDINATION WITH OTHER ENTITIES.—The Consortium shall, to the maximum extent practicable, coordinate on matters of mutual interest and align its efforts with the consortium established under section 1659 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 391 note).

(f) REPORTS.—

(1) INTERIM 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 Senate and House of Representative

an interim report on the organization, activities, funding, actions and milestones of the consortium.

(2) ANNUAL REPORT.—Not later than September 30 of each year, beginning in 2024 and ending in 2028, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representative a report describing the activities, funding, research conducted by the consortium, and other matters determined by the Secretary, during the preceding year.

(g) TERMINATION.—The consortium shall terminate on September 30, 2028.

(h) DEFINITIONS.—In this section:

(1) The term ''institutions of military education'' means—

(A) the professional military education schools;

(B) the senior level service schools;

(C) the intermediate level service schools;

(D) the joint intermediate level service school;

(E) the Naval Postgraduate School; and

(F) the military service academies.

(2) The term ''covered entity'' means—

(A) an institution of higher education that the Secretary determines has an established program of education regarding cybersecurity or technology relevant to the Department of Defense; or

(B) an entity that the Secretary determines conducts research in cybersecurity relevant to the Department of Defense.

(3) The term ''institution of higher education'' has the meaning given that term in section 101 of the Higher Education Act of 1965 (Public Law 89–329; 20 U.S.C. 1001).

(4) The terms ''intermediate level service school'', ''joint intermediate level service school'', and ''senior level service school'' have the meaning given such terms in section 2151 of title 10, United States Code.

(5) 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.

(6) The term ''professional military education schools'' means the schools specified in section 2162 of title 10, United States Code.

**SEC. 559. COMMISSION ON PROFESSIONAL MILITARY EDUCATION.**

(a) ESTABLISHMENT.—There is established a commission to examine the purpose, implementation, outcomes, and relevance of professional military education programs operated by the Department of Defense. The commission shall be known as the ''Commission on Professional Military Education'' (referred to in this section as the ''Commission'').

(b) MEMBERSHIP.—

(1) COMPOSITION.—The Commission shall be composed of the following members:

(A) Two members appointed by the Chairman of the Committee on Armed Services of the Senate, one of whom shall be a Senator and one who may not be a Senator.

(B) Two members appointed by the Ranking Minority Member of the Committee on Armed Services of the Senate, one of whom shall be a Senator and one who may not be a Senator.

(C) Two members appointed by the Chair of the Committee on Armed Services of the House of Representatives, one of whom shall be a Member of the House of Representatives and

one who may not be a Member of the House of Representatives.

(D) Two members appointed by the Ranking Minority Member of the Committee on Armed Services of the House of Representatives, one of whom shall be a Member of the House of Representatives and one who may not be a Member of the House of Representatives.

(2) CHAIR.—The Commission shall have one Chair, selected by the members of the Commission.

(c) APPOINTMENT; INITIAL MEETING.—

(1) APPOINTMENT.—Members of the Commission shall be appointed not later than 60 days after the date of the enactment of this Act.

(2) INITIAL MEETING; NOTICE.—The Commission shall hold its initial meeting on or before the date that is 90 days after the date of the enactment of this Act. In lieu of publication in the Federal Register, the Commission shall post a notice of such meeting on a publicly accessible website of the Commission at least 15 days before such meeting.

(d) MEETINGS; NOTICE; QUORUM; VACANCIES.—

(1) IN GENERAL; NOTICE.—After its initial meeting, the Commission shall meet—

(A) upon the call of the Chair of the Commission; and

(B) not fewer than 15 days after posting a notice of such meeting on a publicly accessible website of the Commission, in lieu of publication in the Federal Register.

(2) QUORUM.—Five members of the Commission shall constitute a quorum for purposes of conducting business, except that two members of the Commission shall constitute a quorum for purposes of receiving testimony.

(3) VACANCIES.—Members shall be appointed for the life of the Commission. Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner as the original appointment.

(4) QUORUM WITH VACANCIES.—If vacancies in the Commission occur on any day after 60 days after the date of the enactment of this Act, a quorum shall consist of a majority of the members of the Commission as of such day.

(e) ACTIONS OF COMMISSION.—

(1) IN GENERAL.—The Commission shall act by resolution agreed to by a majority of the members of the Commission voting and present.

(2) SUBCOMMITTEES.—The Commission may establish subcommittees composed of less than the full membership of the Commission for purposes of carrying out the duties of the Commission under this section. The actions of any such subcommittee shall be subject to the review and control of the Commission. Any findings and determinations made by such a subcommittee shall not be considered the findings and determinations of the Commission unless approved by the Commission.

(3) DELEGATION.—Any member, agent, or staff of the Commission may, if authorized by the Chair of the Commission, take any action which the Commission is authorized to take pursuant to this section.

(f) DUTIES.—The duties of the Commission are as follows:

(1) To—

(A) review the purpose and desired outcomes, as indicated in Department of Defense Instruction 1322.35, of professional military education in support of the National Defense Strategy; and

(B) evaluate whether the Armed Forces are achieving such purpose and outcomes.

(2) To review and evaluate the means by which faculty assigned to teach professional military education are selected, managed, promoted, evaluated, and afforded academic freedom, including—

(A) members serving on active duty;

(B) civilian instructors who are military retirees; and

(C) civilian instructors who are not military retirees.

(3) To—

(A) review how members are selected for residential and non-residential professional military education;

(B) evaluate whether students are adequately prepared for professional military education programs; and

(C) whether additional entrance requirements, such as a writing assessment and academic prerequisites, should be established.

(4) To—

(A) review and assess how the performance of professional military education students is evaluated during the academic year;

(B) how such performance is reflected in the service records of such students; and

(C) consider whether students assigned to residential professional military education at the war colleges should be objectively evaluated by the faculty for potential at more senior ranks.

(5) To review and evaluate whether and how professional military education prepares graduates for senior-level operational and strategic assignments.

(6) To review and evaluate whether and how the Armed Forces consider and fully leverage professional military education in subsequent assignments.

(7) To consider whether professional military education tracks focused on China, Russia, or other key adversaries or topics of importance to the National Defense Strategy would provide value for the Armed Forces.

(8) With respect to professional military education curriculum, to review and evaluate—

(A) relevance to the National Defense Strategy and current and future defense needs, including topics covered and modalities of instruction, such as interactive seminars, wargaming, and other simulations; and

(B) the process for developing and modifying the curriculum.

(9) To evaluate whether the Armed Forces have established a system of accountability to ensure that professional military education meets the defense needs of the United States at a reasonable cost.

(10) To review and evaluate the appropriateness of the service commitments imposed by the Armed Forces for members selected for professional military education.

(g) POWERS OF COMMISSION.—

(1) IN GENERAL.—The Commission or, on the authorization of the Commission, any subcommittee or member thereof, may, for the purpose of carrying out the provisions of this section hold such hearings and sit and act at such times and places, take such testimony, receive such evidence, and administer such oaths.

(2) CONTRACTING.—The Commission may, to such extent and in such amounts as are provided in advance in appropriation Acts, enter into contracts to enable the Commission to discharge its duties under this section.

(3) INFORMATION FROM FEDERAL AGENCIES.—

(A) IN GENERAL.—The Commission may secure directly from any executive department, agency, bureau, board, commission, office, independent establishment, or instrumentality of the Government information, suggestions, estimates, and statistics for the purposes of this section.

(B) COMPLIANCE.—Except for the intelligence community (as such term is defined in section 3 of the National Security Act of 1947 (Chapter 343; 61 Stat. 496; 50 U.S.C. 3003)), each such department, agency, bureau, board, commission, office, establishment, or instrumentality shall, to the extent authorized by law, furnish such information, suggestions, estimates, and statistics directly to the Commission, upon request of the Chair of the Commission.

(C) CLASSIFIED INFORMATION.—The Commission shall handle and protect all classified information provided to it under this section in accordance with applicable statutes and regulations.

(4) ASSISTANCE FROM DEPARTMENT OF DEFENSE.—The Secretary of Defense shall provide to the Commission, on a nonreimbursable basis, such

administrative services, funds, staff, facilities, and other support services as are necessary for the performance of the Commission's duties under this section.

(5) POSTAL SERVICES.—The Commission may use the United States postal services in the same manner and under the same conditions as the departments and agencies of the United States.

(6) GIFTS.—No member or staff of the Commission may receive a gift or benefit by reason of the service of such member or staff to the Commission.

(h) STAFF OF COMMISSION.—

(1) DIRECTOR.—The Chair of the Commission, in accordance with rules agreed upon by the Commission, shall appoint and fix the compensation of a staff director and such other personnel as may be necessary to enable the Commission to carry out its duties, without regard to the provisions of title 5, United States Code, governing appointments in the competitive service, and without regard to the provisions of chapter 51 and subchapter III of chapter 53 of such title relating to classification and General Schedule pay rates, except that no rate of pay fixed under this subsection may exceed the equivalent of

that payable to a person occupying a position at level V of the Executive Schedule under section 5316 of such title.

(2) DETAILEES.—Any Federal Government employee may be detailed to the Commission without reimbursement from the Commission, and such detailee shall retain the rights, status, and privileges of his or her regular employment without interruption.

(3) CONSULTANT SERVICES.—The Commission may procure the services of experts and consultants in accordance with section 3109 of title 5, United States Code, but at rates not to exceed the daily rate paid a person occupying a position at level IV of the Executive Schedule under section 5315 of such title.

(i) COMPENSATION AND TRAVEL EXPENSES.—

(1) COMPENSATION.—

(A) IN GENERAL.—Except as provided in paragraph (2), each member of the Commission may be compensated at not to exceed the daily equivalent of the annual rate of basic pay in effect for a position at level IV of the Executive Schedule under section 5315 of title 5, United States Code, for each day during which that member is engaged in the actual performance of

the duties of the Commission under this section.

(B) FEDERAL OFFICERS OR EMPLOYEES.—Members of the Commission who are officers or employees of the United States or Members of Congress shall receive no additional pay by reason of their service on the Commission.

(2) TRAVEL EXPENSES.—While away from their homes or regular places of business in the performance of services for the Commission, members of the Commission may be allowed travel expenses, including per diem in lieu of subsistence, in the same manner as persons employed intermittently in the Government service are allowed expenses under section 5703 of title 5, United States Code.

(j) FINAL REPORT; TERMINATION.—

(1) FINAL REPORT.—Not later than 18 months after the date of the enactment of this Act, the Commission shall submit to the congressional defense committees and the Secretary of Defense an unclassified report (that may include a classified annex) containing the findings and recommendations of the Commission.

(2) TERMINATION.—

(A) IN GENERAL.—The Commission, and all the authorities of this section, shall terminate at the end of the 120-day period beginning on the date on which the final report under paragraph (1) is submitted to the congressional defense committees.

(B) WINDING DOWN.—The Commission may use the 120-day period referred to in subparagraph (A) for the purposes of concluding its activities, including providing testimony to Congress concerning the final report referred to in that subparagraph and disseminating the report.

# Subtitle G—Member Training and Transition

**SEC. 561. INFORMATION REGARDING APPRENTICESHIPS FOR MEMBERS DURING INITIAL ENTRY TRAINING.**

(a) REQUIREMENT.—Chapter 31 of title 10, United States Code, is amended by inserting after section 510 the following new section:

**"§ 510a. Provision of information regarding apprenticeships during initial entry training**

''(a) IN GENERAL.—The Secretary concerned shall provide to a member, during initial entry training, infor-

mation regarding registered apprenticeship programs related to the military occupational specialty or career field of such member.

''(b) REGISTERED APPRENTICESHIP PROGRAM DEFINED.—In this section, the term 'registered apprenticeship program' means an apprenticeship program registered under the Act of August 16, 1937 (commonly known as the 'National Apprenticeship Act'; 50 Stat. 664, chapter 663; 29 U.S.C. 50 et seq.).''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting, after the item relating to section 510, the following new item:

''510a. Provision of information regarding apprenticeships during initial entry training.''.

**SEC. 562. EXTREMIST ACTIVITY BY A MEMBER OF THE ARMED FORCES: NOTATION IN SERVICE RECORD; TAP COUNSELING.**

(a) TAP COUNSELING.—Subsection (b) of section 1142 of title 10, United States Code, is amended by adding at the end the following new paragraph (20):

''(20) In the case of a member who has violated Department of Defense Instruction 1325.06 (or successor document), relating to extremist activity, in-person counseling, developed by the Secretary of De-

fense in consultation with the Secretary of Homeland Security, that includes—

''(A) information regarding why extremist activity is inconsistent with service in the armed forces and with national security;

''(B) information regarding the dangers associated with involvement with an extremist group; and

''(C) methods for the member to recognize and avoid information that may promote extremist activity.''.

(b) SERVICE RECORD.—In the case of a member described in paragraph (20) of such subsection, as added by subsection (a) of this section, the Secretary concerned shall ensure that the commanding officer of such member notes such violation in the service record of such member.

(c) IMPLEMENTATION DATE.—The Secretary of Defense shall complete development of counseling under such paragraph not later than the day that is one year after the date of the enactment of this Act. The Secretary concerned shall ensure that such counseling is carried out on and after such day.

**SEC. 563. CODIFICATION OF SKILLBRIDGE PROGRAM.**

(a) IN GENERAL.—Section 1143(e) of title 10, United States Code, is amended—

(1) in the heading, by adding ''; SKILLBRIDGE'' after ''TRAINING'' ; and

(2) in paragraph (1), by adding at the end ''Such a program shall be known as 'Skillbridge'.''.

(b) REGULATIONS.—To carry out Skillbridge, the Secretary of Defense shall, not later than September 30, 2023—

(1) update Department of Defense Instruction 1322.29, titled ''Job Training, Employment Skills Training, Apprenticeships, and Internships (JTEST-AI) for Eligible Service Members''; and

(2) develop a funding plan for Skillbridge that includes funding lines across the future-years defense program under section 221 of title 10, United States Code.

**SEC. 564. TRAINING ON DIGITAL CITIZENSHIP AND MEDIA LITERACY IN ANNUAL CYBER AWARENESS TRAINING FOR CERTAIN MEMBERS.**

(a) IN GENERAL.—The annual cyber awareness training provided to members of the covered Armed Forces shall include a digital literacy module regarding digital citizenship, media literacy, and protection against cyber threats (such as influenced or digitally altered information).

(b) DEFINITIONS.—In this section:

(1) The term ''covered Armed Force'' means the following:

(A) The Army.

(B) The Navy.

(C) The Marine Corps.

(D) The Air Force.

(E) The Space Force.

(2) The term ''digital citizenship'' means the ability to safely, responsibly, and ethically use communication technologies and digital information technology tools and platforms; create and share media content using principles of social and civic responsibility and with awareness of the legal and ethical issues involved; and participate in the political, economic, social, and cultural aspects of life related to technology, communications, and the digital world by consuming and creating digital content, including media.

(3) The term ''media literacy'' means the ability to access relevant and accurate information through media in a variety of forms; critically analyze media content and the influences of different forms of media; evaluate the comprehensiveness, relevance, credibility, authority, and accuracy of information; make educated decisions based on information ob-

tained from media and digital sources; operate various forms of technology and digital tools; and reflect on how the use of media and technology may affect private and public life.

**SEC. 565. PILOT GRANT PROGRAM TO SUPPLEMENT THE TRANSITION ASSISTANCE PROGRAM OF THE DEPARTMENT OF DEFENSE.**

(a) ESTABLISHMENT.—The Secretary of Defense, in consultation with the Secretary of Veterans Affairs, shall carry out a pilot grant program under which the Secretary of Defense provides enhanced support and funding to eligible entities to supplement TAP to provide job opportunities for industry recognized certifications, job placement assistance, and related employment services directly to covered individuals.

(b) SERVICES.—Under the pilot grant program, the Secretary of Defense shall provide grants to eligible entities to provide to covered individuals the following services:

(1) Using an industry-validated screening tool, assessments of prior education, work history, and employment aspirations of covered individuals, to tailor appropriate and employment services.

(2) Preparation for civilian employment through services like mock interviews and salary ne-

gotiations, training on professional networking platforms, and company research.

(3) Several industry-specific learning pathways—

(A) with entry-level, mid-level and senior versions;

(B) in fields such as project management, cybersecurity, and information technology;

(C) in which each covered individual works with an academic advisor to choose a career pathway and navigate coursework during the training process; and

(D) in which each covered individual can earn industry-recognized credentials and certifications, at no charge to the covered individual.

(4) Job placement services.

(c) PROGRAM ORGANIZATION AND IMPLEMENTATION MODEL.—The pilot grant program shall follow existing economic opportunity program models that combine industry-recognized certification training, furnished by professionals, with online learning staff.

(d) CONSULTATION.—In carrying out the program, the Secretary of Defense shall seek to consult with private entities to assess the best economic opportunity program

models, including existing economic opportunity models furnished through public-private partnerships.

(e) ELIGIBILITY.—To be eligible to receive a grant under the pilot grant program, an entity shall—

(1) follow a job training and placement model;

(2) have rigorous program evaluation practices;

(3) have established partnerships with entities (such as employers, governmental agencies, and non-profit entities) to provide services described in subsection (b);

(4) have online training capability to reach rural veterans, reduce costs, and comply with new conditions forced by COVID-19; and

(5) have a well-developed practice of program measurement and evaluation that evinces program performance and efficiency, with data that is high quality and shareable with partner entities.

(f) COORDINATION WITH FEDERAL ENTITIES.—A grantee shall coordinate with Federal entities, including—

(1) the Office of Transition and Economic Development of the Department of Veterans Affairs; and

(2) the Office of Veteran Employment and Transition Services of the Department of Labor.

(g) METRICS AND EVALUATION.—Performance outcomes shall be verifiable using a third-party auditing method and include the following:

(1) The number of covered individuals who receive and complete skills training.

(2) The number of covered individuals who secure employment.

(3) The retention rate for covered individuals described in paragraph (2).

(4) Median salary of covered individuals described in paragraph (2).

(h) SITE LOCATIONS.—The Secretary of Defense shall select five military installations in the United States where existing models are successful.

(i) ASSESSMENT OF POSSIBLE EXPANSION.—A grantee shall assess the feasibility of expanding the current offering of virtual training and career placement services to members of the reserve components of the Armed Forces and covered individuals outside the United States.

(j) DURATION.—The pilot grant program shall terminate on September 30, 2025.

(k) REPORT.—Not later than 180 days after the termination of the pilot grant program, the Secretary of Defense shall submit to the congressional defense committees a report that includes—

(1) a description of the pilot grant program, including a description of specific activities carried out under this section; and

(2) the metrics and evaluations used to assess the effectiveness of the pilot grant program.

(l) DEFINITIONS.—In this section:

(1) The term ''covered individual'' means—

(A) a member of the Armed Forces participating in TAP; or

(B) a spouse of a member described in subparagraph (A).

(2) The term ''military installation'' has the meaning given such term in section 2801 of title 10, United States Code.

(3) The term ''TAP'' means the transition assistance program of the Department of Defense under sections 1142 and 1144 of title 10, United States Code.

**SEC. 566. FEMALE MEMBERS OF CERTAIN ARMED FORCES AND CIVILIAN EMPLOYEES OF THE DEPARTMENT OF DEFENSE IN STEM.**

(a) STUDY ON MEMBERS AND CIVILIANS.—Not later than September 30, 2023, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report containing the

results of a study on how to increase participation of covered individuals in positions in the covered Armed Forces or Department of Defense and related to STEM.

(b) STUDY ON SKILLBRIDGE.—Not later than September 30, 2023, the Secretary shall submit to such Committees a report containing the results of a study on how to change Skillbridge to help covered individuals, eligible for Skillbridge, find civilian employment in positions related to STEM.

(c) 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 individual'' means a female—

(A) member of a covered Armed Force; or

(B) civilian employee of the Department of Defense.

(3) The term ''Skillbridge'' means an employment skills training program under section 1143(e) of title 10, United States Code, as amended by section 563 of this Act.

(4) The term ''STEM'' means science, technology, engineering, and mathematics.

**SEC. 567. SKILLBRIDGE: APPRENTICESHIP PROGRAMS.**

(a) STUDY.—Not later than September 30, 2023, the Secretary of Defense, in consultation with the Secretary of the Department in which the Coast Guard is operating, shall conduct a study to identify the private entities participating in Skillbridge that offer positions in registered apprenticeship programs to covered members.

(b) RECRUITMENT.—The Secretary shall consult with officials and employees of the Department of Labor who have experience with registered apprenticeship programs to facilitate the Secretary entering into agreements with entities that offer positions described in subsection (a) in areas where the Secretary determines few such positions are available to covered members.

(c) DEFINITIONS.—In this section:

(1) The term ''covered member'' means a member of the Armed Forces eligible for Skillbridge.

(2) The term ''registered apprenticeship program'' means an apprenticeship program registered under the Act of August 16, 1937 (commonly known as the ''National Apprenticeship Act''; 50 Stat. 664, chapter 663; 29 U.S.C. 50 et seq.).

(3) The term ''Skillbridge'' means an employment skills training program under section 1143(e) of title 10, United States Code, as amended by section 563 of this Act.

# Subtitle H—Military Family Readiness and Dependents' Education

**SEC. 571. CLARIFICATION AND EXPANSION OF AUTHORIZATION OF SUPPORT FOR CHAPLAIN-LED PROGRAMS FOR MEMBERS OF THE ARMED FORCES.**

Section 1789 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking ''chaplain-led programs'' and inserting ''a chaplain-led program'';

(B) by striking ''members of the armed forces'' and all that follows through ''status and their immediate family members,'' and inserting ''a covered individual''; and

(C) by inserting '', or to support the resiliency, suicide prevention, or holistic wellness of such covered individual'' after ''structure'';

(2) in subsection (b)—

(A) by striking ''members of the armed forces and their family members'' and inserting ''a covered individual'';

(B) by striking ''programs'' and inserting ''a program''; and

(C) by striking ''retreats and conferences'' and inserting ''a retreat or conference''; and

(3) by striking subsection (c) and inserting the following:

''(c) COVERED INDIVIDUAL DEFINED.—In this section, the term 'covered individual' means—

''(1) a member of the armed forces on active duty;

''(2) a member of the reserve components in an active status; or

''(3) a dependent of an individual described in subparagraph (A) or (B).''.

**SEC. 572. RIGHTS OF PARENTS OF CHILDREN ATTENDING SCHOOLS OPERATED BY THE DEPARTMENT OF DEFENSE EDUCATION ACTIVITY.**

(a) IN GENERAL.—Chapter 108 of title 10, United States Code, is amended by inserting after section 2164 the following new section:

**''§ 2164a. Rights of parents of children attending schools operated by the Department of Defense Education Activity**

''(a) IN GENERAL.—The parent of a child who attends a school operated by the Department of Defense Education Activity has the following rights:

''(1) The right to review the curriculum of the school.

''(2) The right to be informed if the school or Department of Defense Education Activity alters the school's academic standards or learning benchmarks.

''(3) The right to meet with each teacher of their child not less than twice during each school year.

''(4) The right to review the budget, including all revenues and expenditures, of the school.

''(5) The right to review all instructional materials and teacher professional development materials used by the school.

''(6) The right to inspect a list of the books and other reading materials contained in the library of the school.

''(7) The right to address the school advisory committee or the school board.

''(8) The right to information about the school's discipline policy and any violent activity in the school.

''(9) The right to information about any plans to eliminate gifted and talented programs or accelerated coursework at the school.

''(b) DISCLOSURES AND NOTIFICATIONS.—Consistent with the parental rights specified in subsection (a), a school operated by the Department of Defense Education Activity shall—

''(1) post on a publicly accessible website of the school—

''(A) the curriculum for each course and grade level;

''(B) the academic standards or other learning benchmarks used by the school;

''(C) notice of any proposed revisions to such standards or benchmarks and a copy of any such revisions;

''(D) the budget for the school year, including all revenues and expenditures (including expenditures made for items and services provided by private entities); and

''(2) provide the parents of a child attending the school with—

''(A) the opportunity to meet in-person with each teacher of their child not less frequently than twice during each school year at a time mutually agreed upon by both parties; and

''(B) notice of such opportunity at the beginning of each school year;

''(3) make all instructional and educator professional development materials, including teachers' manuals, films, tapes, books or other reading materials, or other supplementary materials used in any survey, analysis, or evaluation, available for inspection by the parents of children attending the school;

''(4) at the beginning of each school year, provide parents a list of reading materials in the school library, including a list of any reading materials that were added to or removed from the list of materials from the prior year;

''(5) notify parents in a timely manner of any plans to eliminate gifted and talented programs or accelerated coursework at the school;

''(6) except as provided in paragraph (7), notify parents of any medical examinations or screenings the school may administer to their child and receive written consent from parents for any such examination or screening prior to conducting the examination or screening;

''(7) in the event of an emergency that requires a medical examination or screening without time for parental notification, promptly notify parents of such examination or screening and, not later than 24 hours after the incident occurs, provide an expla-

nation of the emergency that prevented notification prior to such examination or screening;

''(8) notify parents of any medical information that will be collected on their child, receive written parental consent prior to collecting such information, and provide parents an opportunity to inspect such information at the parent's request; and

''(9) notify parents of any policy changes involving their reporting obligations under the Family Advocacy Program of the Department of Defense.

''(c) SCHOOL ADVISORY COMMITTEES AND BOARDS.—Not less frequently than twice per year, a school advisory committee or school board for a school operated by the Department of Defense Education Activity shall provide parents of children attending the school with the opportunity to address the advisory committee or school board on any matters relating to the school or the educational services provided to their children.

''(d) DEFINITION.—In this section, the term 'school operated by the Department of Defense Education Activity' means—

''(1) a Department of Defense domestic dependent elementary or secondary school, as described in section 2164 of this title; or

''(2) any elementary or secondary school or program for dependents operated by the Department of Defense Education Activity.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2164 the following new item:

''2164a. Rights of parents of children attending schools operated by the Department of Defense Education Activity.''.

**SEC. 573. EXPANSION OF PILOT PROGRAM TO PROVIDE FINANCIAL ASSISTANCE TO MEMBERS OF THE ARMED FORCES FOR IN-HOME CHILD CARE.**

Section 589(b) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 1791 note) is amended by striking ''five locations'' and inserting ''six locations''.

**SEC. 574. EXTENSION OF PILOT PROGRAM TO EXPAND ELIGIBILITY FOR ENROLLMENT AT DOMESTIC DEPENDENT ELEMENTARY AND SECONDARY SCHOOLS.**

Section 589C(e) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 2164 note) is amended by striking ''four years'' and inserting ''eight years''.

**SEC. 575. ADVISORY PANEL ON COMMUNITY SUPPORT FOR MILITARY FAMILIES WITH SPECIAL NEEDS.**

Section 563(d) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 1781c note) is amended—

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

''(2) MEMBERS.—The advisory panel shall consist of the following members, appointed by the Secretary of Defense:

''(A) Nine individuals from military families with special needs, with respect to whom the Secretary shall ensure that—

''(i) one individual is the spouse of an enlisted member;

''(ii) one individual is the spouse of an officer in a grade below O–6;

''(iii) one individual is a junior enlisted member;

''(iv) one individual is a junior officer;

''(v) individuals reside in different geographic regions;

''(vi) one individual is a member serving at a remote installation or is a member of the family of such a member; and

''(vii) at least two individuals are members serving on active duty, each with a dependent who—

''(I) is enrolled in the Exceptional Family Member Program; and

''(II) has an individualized education program.

''(B) One representative of the Defense Health Agency.

''(C) One representative of the Department of Defense Education Activity.

''(D) One representative of the Office of Special Needs of the Department of Defense.

''(E) One or more representatives of advocacy groups with missions relating to the Exceptional Family Member Program of the Department of Defense.

''(F) One or more adult dependents enrolled in the Exceptional Family Member Program of the Department of Defense.''; and

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

''(5) TRANSPARENCY AND ACCESSIBILITY.—The advisory panel shall—

''(A) provide advice that is relevant, objective, and transparent;

''(B) ensure that any meetings or other proceedings of the advisory panel are accessible to the public; and

''(C) make available on a publicly accessible website—

''(i) meeting announcements;

''(ii) minutes of meetings;

''(iii) the names of council representatives; and

''(iv) regular updates on the progress of the panel in fulfilling the duties specified in paragraph (3).''.

**SEC. 576. CERTAIN ASSISTANCE TO LOCAL EDUCATIONAL AGENCIES THAT BENEFIT DEPENDENTS OF MILITARY AND CIVILIAN PERSONNEL.**

(a) CONTINUATION OF AUTHORITY TO ASSIST LOCAL EDUCATIONAL AGENCIES THAT BENEFIT DEPENDENTS OF MEMBERS OF THE ARMED FORCES AND DEPARTMENT OF DEFENSE CIVILIAN EMPLOYEES.—Of the amount authorized to be appropriated for fiscal year 2023 by section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $53,000,000 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 2023 pursuant to section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $22,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (as enacted into law by Public Law 106–398; 114 Stat. 1654A–77; 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 Elementary and Secondary Education Act of 1965 (20 U.S.C. 7713(9)).

**SEC. 577. VERIFICATION OF REPORTING OF ELIGIBLE FEDERALLY CONNECTED CHILDREN FOR PURPOSES OF FEDERAL IMPACT AID PROGRAMS.**

(a) CERTIFICATION.—On an annual basis, each commander of a military installation under the jurisdiction of the Secretary of a military department shall submit to such Secretary a written certification verifying whether

the commander has confirmed the information contained in all impact aid source check forms received from local educational agencies as of the date of such certification.

(b) REPORT.—Not later June 30 of each year, each Secretary of a military department shall submit to the congressional defense committees a report, based on the information received under subsection (a), that identifies—

(1) each military installation under the jurisdiction of such Secretary that has confirmed the information contained in all impact aid source check forms received from local educational agencies as of the date of the report; and

(2) each military installation that has not confirmed the information contained in such forms as of such date.

**SEC. 578. EFMP GRANT PROGRAM.**

(a) ESTABLISHMENT.—The Secretary of Defense shall establish a program to award grants to, and enter into agreements with, eligible entities under which participating eligible entities shall provide, to covered members assigned to PRIs, services described in subsection (b).

(b) SERVICES.—Services described in this subsection are the provision of—

(1) training and information that help a covered dependent—

(A) meet developmental, functional, and academic goals; and

(B) prepare to lead a productive and independent adult life;

(2) training and information that help a covered member—

(A) better understand the disabilities and educational, developmental, and transitional needs of the covered dependent of such covered member;

(B) participate in the development of an individualized education program for the covered dependent;

(C) communicate effectively and work collaboratively with individuals responsible for providing, to covered dependents, special education, early intervention services, transition services, and related services; and

(D) resolve a dispute, regarding education or services described in subparagraph (C), as expeditiously and effectively as possible, including encouraging the use, and explaining the

benefits, of alternative methods of dispute resolution; and

(3) if an eligible entity is not a PTI—

(A) information regarding services offered by the local PTI (about which the eligible entity shall consult with the local PTI not less than once each quarter year); and

(B) referrals of covered members to the local PTI.

(c) CO-LOCATION.—To the extent practical, the Secretary shall ensure that an eligible entity that participates in the program under this section shall provide services described in subsection (b) at a location on the military installation concerned where the Secretary furnishes other services under the EFMP.

(d) IMPLEMENTATION.—The Secretary shall implement the program under this section at—

(1) six PRIs (one PRI for each covered Armed Force and one joint PRI) not later than two years after the date of the enactment of this Act; and

(2) all PRIs not later than four years after the date of the enactment of this Act.

(e) PLAN.— Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees the plan of

the Secretary to implement the program under this section.

(f) REPORT.—Not later than two years after the Secretary implements the program under this section, the Secretary shall submit to the appropriate congressional committees a report on implementation of the program. Such report shall include evaluations of the following:

(1) Satisfaction of covered members and covered dependents who receive services under such program.

(2) Adherence of schools, with respect to covered dependents described in paragraph (1), to—

(A) individualized education programs; and

(B) plans under section 504 of the Rehabilitation Act of 1973 (Public Law 93–112; 29 U.S.C. 794).

(g) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The congressional defense committees.

(B) The Committee on Transportation and Infrastructure of the House of Representatives.

(C) The Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''congressional defense committees'' has the meaning given such term in section 101 of title 10, United States Code.

(3) The term ''covered Armed Force'' means an Armed Force under the jurisdiction of the Secretary of a military department.

(4) The term ''covered dependent'' means a dependent—

(A) of a member of a covered Armed Force;

(B) who is a minor; and

(C) who is enrolled in the EFMP.

(5) The term ''covered member'' means a member—

(A) of a covered Armed Force; and

(B) with a covered dependent.

(6) The term ''EFMP'' means an Exceptional Family Member Program of the Department of Defense under section 1781c(e) of title 10, United States Code.

(7) The term ''eligible entity'' means a private, nonprofit entity, or an institution of higher education, that the Secretary of Defense determines appropriate to provide services described in subsection (b).

(8) The term ''individualized education program'' has the meaning given such term in section 614 of the Individuals with Disabilities Education Act (20 U.S.C. 1414).

(9) 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).

(10) The term ''PRI'' means a primary receiving installation, as that term is used in section 582 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 1781c note).

(11) The term ''PTI'' means a parent training and information center, as that term is defined in section 602 of the Individuals with Disabilities Education Act (Public Law 91–230; 20 U.S.C. 1401).

**SEC. 579. PROMOTION OF CERTAIN CHILD CARE ASSISTANCE.**

(a) IN GENERAL.—Each Secretary concerned shall promote, to members of the Armed Forces under the jurisdiction of such Secretary concerned, awareness of child care assistance available under—

(1) section 1798 of title 10, United States Code; and

(2) section 589 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 1791 note).

(b) REPORTING.—Not later than one year after the date of the enactment of this Act, each Secretary concerned shall submit to the appropriate congressional committees a report summarizing activities taken by such Secretary concerned to carry out subsection (a).

(c) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The Committees on Armed Services of the Senate and House of Representatives.

(B) The Committees on Appropriations of the Senate and House of Representatives.

(C) The Committee on Commerce, Science, and Transportation of the Senate.

(D) The Committee on Transportation and Infrastructure of the House of Representatives.

(2) The term ''Secretary concerned'' has the meaning given such term in section 101 of title 10, United States Code.

**SEC. 579A. RECOMMENDATIONS FOR THE IMPROVEMENT OF THE MILITARY INTERSTATE CHILDREN'S COMPACT.**

(a) RECOMMENDATIONS REQUIRED.—The Secretaries concerned, in consultation with States through the Defense-State Liaison Office, shall develop recommendations to improve and fully implement the Military Interstate Children's Compact.

(b) CONSIDERATIONS.—In carrying out subsection (a), the Secretaries concerned shall—

(1) identify any barriers—

(A) to the ability of a parent of a transferring military-connected child to enroll the child, in advance, in an elementary or secondary school in the State in which the child is transferring, without requiring the parent or child to be physically present in the State; and

(B) to the ability of a transferring military-connected child who receives special education services to gain access to such services and related supports in the State to which the child transfers within the timeframes required under the Individuals with Disabilities Education Act (20 U.S.C. 1400 et seq.);

(2) consider the feasibility and advisability of—

(A) tracking and reporting the number of families who use advanced enrollment in States that offer advanced enrollment to military-connected children;

(B) States clarifying in legislation that eligibility for advanced enrollment requires only written evidence of a permanent change of station order, and does not require a parent of a military-connected child to produce a rental agreement or mortgage statement; and

(C) the Secretary of Defense, in coordination with the Military Interstate Children's Compact, developing a letter or other memorandum that military families may present to local educational agencies that outlines the protections afforded to military-connected children by the Military Interstate Children's Compact; and

(3) identify any other actions that may be taken by the States (acting together or separately) to improve the Military Interstate Children's Compact.

(c) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretaries concerned shall submit to the appropriate congressional

committees and to the States a report setting forth the recommendations developed under subsection (a).

(d) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Health, Education, Labor, and Pensions and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(C) the Committee on Education and Labor and the Committee on Homeland Security of the House of Representatives.

(2) The terms ''child'', ''elementary school'', ''local educational agency'', ''secondary school'', ''parent'', and ''State'' have the meanings given those terms in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801).

(3) The terms ''armed forces'', ''active duty'' and ''congressional defense committees'' have the meanings given those terms in section 101 of title 10, United States Code.

(4) The term ''transferring military-connected child'' means the child of a parent who—

(A) is serving on active duty in the Armed Forces;

(B) is changing duty locations due to a permanent change of station order; and

(C) has not yet established an ongoing physical presence in the State to which the parent is transferring.

(5) The term ''Military Interstate Children's Compact'' means the Interstate Compact on Educational Opportunity for Military Children as described in Department of Defense Instruction 1342.29, dated January 31, 2017 (or any successor to such instruction).

(6) The term ''Secretary concerned'' means—

(A) the Secretary of Defense, with respect to matters concerning the Department of Defense; and

(B) the Secretary of the department in which the Coast Guard is operating, with respect to matters concerning the Coast Guard when it is not operating as a service in the Department of the Navy.

**SEC. 579B. INDUSTRY ROUNDTABLE ON MILITARY SPOUSE HIRING.**

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Personnel and Readiness shall seek to convene an industry roundtable to discuss the hiring of military spouses. Such discussion shall include the following elements:

(1) The value of, and opportunities to, private entities that hire military spouses.

(2) Career opportunities for military spouses.

(3) Understanding the challenges that military spouses encounter in the labor market.

(4) Gaps and opportunities in the labor market for military spouses.

(5) Best hiring practices from industry leaders in human resources.

(b) PARTICIPANTS.—The participants in the roundtable shall include the following:

(1) The Under Secretary.

(2) The Assistant Secretary for Manpower and Reserve Affairs of each military department.

(3) The Director of the Defense Human Resources Activity.

(4) Other officials of the Department of Defense the Secretary of Defense determines appropriate.

(5) Private entities that elect to participate.

(c) NOTICE.—The Under Secretary shall publish notice of the roundtable in multiple private sector forums and the Federal Register to encourage participation in the roundtable by private entities and entities interested in the hiring of military spouses.

(d) BRIEFING.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall provide a briefing to the Committees on Armed Services of the Senate and House of Representatives on the lessons learned from the roundtable, including the recommendation of the Secretary whether to convene the roundtable annually.

**SEC. 579C. FEASIBILITY STUDY AND REPORT ON PILOT PROGRAM TO PROVIDE POTFF SERVICES TO SEPARATING MEMBERS OF SPECIAL OPERATIONS FORCES AND CERTAIN FAMILY MEMBERS.**

(a) REPORT REQUIRED.—Not later than March 1, 2023, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the feasibility of a pilot program to pro-

vide, to covered individuals, services under POTFF. The report shall include the following elements:

(1) An outline of the tools, resources, and personnel the Secretary determines necessary to carry out the pilot program.

(2) An assessment of the potential benefits, implications, and effects of the pilot program.

(3) The POTFF services that the Secretary could provide to covered individuals under the pilot program.

(4) An assessment of how best to carry out the separation of covered members, including any additional resources the Secretary determines necessary.

(5) Any legislative or administrative action that the Secretary determines necessary to carry the such pilot program.

(6) Any other information the Secretary determines appropriate.

(b) DEFINITIONS.—In this section:

(1) The term ''covered individual'' means—

(A) a covered member;

(B) an immediate family of a covered member; or

(C) an individual eligible for a gold star lapel button under section 1126 of title 10,

United States Code, on the basis of the relationship of such individual to a deceased member of special operations forces.

(2) The term ''covered member'' means a member of the Armed Forces—

(A) assigned to special operations forces; and

(B) who is separating from the Armed Forces.

(3) The term ''immediate family member'' has the meaning given that term in section 1789 of title 10, United States Code.

(4) The term ''POTFF'' means the Preservation of the Force and Family Program of United States Special Operations Command under section 1788a of title 10, United States Code.

(5) The term ''special operations forces'' means the forces described in section 167(j) of title 10, United States Code.

# Subtitle I—Decorations and Awards

**SEC. 581. AUTHORITY TO AWARD THE MEDAL OF HONOR TO A MEMBER OF THE ARMED FORCES FOR ACTS OF VALOR WHILE A PRISONER OF WAR.**

(a) AUTHORITY.—

(1) ARMY.—Section 7271(1) of title 10, United States Code, is amended by inserting ", including active resistance, gallantry, or defiance while serving as a prisoner of war" after "United States".

(2) NAVY AND MARINE CORPS.—Section 8291(1) of title 10, United States Code, is amended by inserting ", including active resistance, gallantry, or defiance while serving as a prisoner of war" after "United States".

(3) AIR FORCE AND SPACE FORCE.—Section 9271(1) of title 10, United States Code, is amended by inserting ", including active resistance, gallantry, or defiance while serving as a prisoner of war" after "United States".

(4) COAST GUARD.—Section 2732(1) of title 14, United States Code, is amended by inserting ", including active resistance, gallantry, or defiance while serving as a prisoner of war" after "United States".

(b) REGULATIONS.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense and the Secretary of the Department in which the Coast Guard is operating shall prescribe regulations that set forth uniform standards for awarding the Medal of Honor to a member of the Armed Forces pursuant to an amend-

ment made by subsection (a). Such regulations shall apply retroactively to a member who was a prisoner of war before the date of the prescription of such regulations.

(c) REPORT.—Not later than one year 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 regarding the number of individuals who may be eligible for a Medal of Honor pursuant to the amendments made by this section.

**SEC. 582. AUTHORIZATION FOR AWARD OF THE MEDAL OF HONOR TO DAVID R. HALBRUNER FOR ACTS OF VALOR ON SEPTEMBER 11-12, 2012.**

(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 Armed Forces, the President may award the Medal of Honor under section 7272 of such title to David R. Halbruner for the acts of valor described in the subsection (b).

(b) ACTS OF VALOR DESCRIBED.—The acts of valor described in this subsection are the actions of David R. Halbruner as a master sergeant in the Army on Sep-

tember 11-12, 2012, for which he was previously awarded the Distinguished-Service Cross.

**SEC. 583. AUTHORIZATION FOR POSTHUMOUS AWARD OF MEDAL OF HONOR TO MASTER SERGEANT RODERICK W. EDMONDS FOR ACTS OF VALOR DURING WORLD WAR II.**

(a) WAIVER OF TIME LIMITATIONS.—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 Armed Forces, the President may award the Medal of Honor posthumously under section 7271 of such title to Master Sergeant Roderick W. Edmonds for the acts of valor described in subsection (c).

(b) ACTS OF VALOR DESCRIBED.—The acts of valor referred to in subsection (b) are the actions of Master Sergeant Roderick W. Edmonds on January 27, 1945, as a prisoner of war and member of the Army serving in Germany in support of the Battle of the Bulge, for which he has never been recognized by the United States Army.

# Subtitle J—Miscellaneous Reports and Other Matters

**SEC. 591. 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 subsection:

''(e)(1) A person named in subsection (b) may exercise the powers described in subsection (a) through electronic means, including under circumstances where the individual with respect to whom such person is performing the notarial act is not physically present in the same location 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 electronic 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 electronic form.''.

**SEC. 592. DISINTERMENTS FROM NATIONAL CEMETERIES.**

(a) APPLICABILITY OF AUTHORITY TO RECONSIDER DECISIONS OF SECRETARY OF VETERANS AFFAIRS OR

SECRETARY OF THE ARMY TO INTER THE REMAINS OR MEMORIALIZE A PERSON IN A NATIONAL CEMETERY.—

(1) IN GENERAL.—Section 2(c) of the Alicia Dawn Koehl Respect for National Cemeteries Act (Public Law 113–65; 38 U.S.C. 2411 note) is amended by striking ''after the date of the enactment of this Act'' and inserting ''after November 21, 1997''.

(2) CONGRESSIONAL NOTICES.—Upon becoming aware of a covered interment or memorialization—

(A) the Secretary of Veterans Affairs shall issue to the Committees on Veterans' Affairs of the Senate and House of Representatives written notice of such covered interment or memorialization; and

(B) the Secretary of the Army, in the case of a covered interment or memorialization in Arlington National Cemetery, shall issue to the Committees on Armed Services of the Senate and House of Representatives and the Committees on Veterans' Affairs of the Senate and House of Representatives written notice of such covered interment or memorialization.

(3) COVERED INTERMENT OR MEMORIALIZATION DEFINED.—In this subsection, the term ''cov-

ered interment or memorialization'' means an interment or memorialization—

(A) in a national cemetery;

(B) between January 1, 1990 and November 21, 1997; and

(C) that would have been subject to section 2411 of title 38, United States Code, as amended by the Alicia Dawn Koehl Respect for National Cemeteries Act if subsection 2(c) of such Act were amended by striking ''after the date of the enactment of this Act'' and inserting ''on or after January 1, 1990''.

(b) DISINTERMENT OF REMAINS OF ANDREW CHABROL FROM ARLINGTON NATIONAL CEMETERY.—

(1) DISINTERMENT.—Not later than September 30, 2023, the Secretary of the Army shall disinter the remains of Andrew Chabrol from Arlington National Cemetery.

(2) NOTIFICATION.—The Secretary of the Army may not carry out paragraph (1) until after notifying the next of kin of Andrew Chabrol.

(3) DISPOSITION.—After carrying out paragraph (1), the Secretary of the Army shall—

(A) relinquish the remains to the next of kin described in paragraph (2); or

(B) if no such next of kin responds to notification under paragraph (2), arrange for disposition of the remains the Secretary of the Army determines appropriate.

**SEC. 593. CLARIFICATION OF AUTHORITY OF NCMAF TO UPDATE CHAPLAINS HILL AT ARLINGTON NATIONAL CEMETERY.**

Section 584(a) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 38 U.S.C. 2409 note) is amended by adding at the end the following new paragraph:

''(4) AUTHORITY OF SECRETARY OF THE ARMY.—The Secretary of the Army may permit NCMAF to carry out any action authorized by this subsection without regard to the time limitation under section 2409(b)(2)(C) of title 38, United States Code.''.

**SEC. 594. NOTIFICATIONS ON MANNING OF AFLOAT NAVAL FORCES.**

Section 597(d)(3) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 8013 note) is amended by inserting ''or a commissioned ship undergoing nuclear refueling or defueling and any concurrent complex overhaul'' after ''Register''.

**SEC. 595. PILOT PROGRAM ON CAR SHARING ON MILITARY INSTALLATIONS IN ALASKA.**

(a) ESTABLISHMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall seek to carry out a pilot program to allow car sharing on military installations in Alaska.

(b) PROGRAM ELEMENTS.—To carry out a pilot program under this section, the Secretary shall take steps including the following:

(1) Seek to enter into an agreement with an entity that—

(A) provides car sharing services; and

(B) is capable of serving all military installations in Alaska.

(2) Provide to members assigned to military installations in Alaska the resources the Secretary determines necessary to participate in such pilot program.

(3) Promote such pilot program to such members.

(c) IMPLEMENTATION PLAN.—Not later than 90 days after the date the Secretary enters into an agreement under subsection (b)(1), the Secretary shall submit to the congressional defense committees a plan to carry out the pilot program.

(d) DURATION.—A pilot program under this section shall terminate two years after the Secretary commences such pilot program.

(e) REPORT.—Upon the termination of a pilot program under this section, the Secretary of Defense shall submit to the congressional defense committees a report containing the following information:

(1) The number of individuals who used car sharing services offered pursuant to the pilot program.

(2) The cost to the United States of the pilot program.

(3) An analysis of the effect of the pilot program on mental health and community connectedness of members described in subsection (b)(2).

(4) Other information the Secretary determines appropriate.

(f) MILITARY INSTALLATION DEFINED.—In this section, the term ''military installation'' has the meaning given such term in section 2801 of title 10, United States Code.

**SEC. 596. SUPPORT FOR MEMBERS WHO PERFORM DUTIES REGARDING REMOTELY PILOTED AIRCRAFT: STUDY; REPORT.**

(a) STUDY.—The Secretary of Defense (in consultation with the Secretary of Transportation and Administrator of the Federal Aviation Administration) shall conduct a study to identify opportunities to provide more support services to, and greater recognition of combat accomplishments of, RPA crew. Such study shall identify the following with respect to each covered Armed Force:

(1) Safety policies applicable to crew of traditional aircraft that apply to RPA crew.

(2) Personnel policies, including crew staffing and training practices, applicable to crew of traditional aircraft that apply to RPA crew.

(3) Metrics the Secretaries of the military departments use to evaluate the health of RPA crew.

(4) Incentive pay, retention bonuses, promotion rates, and career advancement opportunities for RPA crew.

(5) Combat zone compensation available to RPA crew.

(6) Decorations and awards for combat available to RPA crew.

(7) Mental health care available to crew of traditional aircraft and RPA crew who conduct combat operations.

(8) Whether RPA crew receive post-separation health (including mental health) care equivalent to crew of traditional aircraft.

(9) An explanation of any difference under paragraph (8).

(b) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report containing the results of the study conducted under this section, including any policy recommendations of the Secretary regarding such results.

(c) DEFINITIONS.—In this section:

(1) In this section, the term ''appropriate congressional committees'' means the following:

(A) The Committees on Armed Services of the Senate and House of Representatives.

(B) The Committees on Appropriations of the Senate and House of Representatives.

(C) The Committee on Commerce, Science, and Transportation of the Senate.

(D) The Committee on Transportation and Infrastructure of the House of Representatives.

(2) The term ''covered Armed Force'' means an Armed Force under the jurisdiction of the Secretary of a military department.

(3) The term ''RPA crew'' means members of covered Armed Forces who perform duties relating to remotely piloted aircraft.

(4) The term ''traditional aircraft'' means fixed or rotary wing aircraft operated by an onboard pilot.

**SEC. 597. REVIEW OF MARKETING AND RECRUITING OF THE DEPARTMENT OF DEFENSE.**

(a) IN GENERAL.—Not later that September 30, 2023, the Secretary of Defense, in consultation with the Comptroller General of the United States and experts determined by the Secretary, shall evaluate the marketing and recruiting efforts of the Department of Defense to determine how to use social media and other technology platforms to convey to young people the opportunities and benefits of service in the covered Armed Forces.

(b) COVERED ARMED FORCE DEFINED.—In this section, the term ''covered Armed Force'' means the following:

(1) The Army.

(2) The Navy.

(3) The Marine Corps.

(4) The Air Force.

(5) The Space Force.

**SEC. 598. REPORT ON RECRUITING EFFORTS OF THE ARMY.**

(a) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this act, the Secretary of the Army shall submit to the congressional defense committees a report on recruiting efforts of the Army. Such report shall contain the following elements:

(1) A comparison of the number of active Army enlistments from each region annually during fiscal years 2018 through 2022, the number of recruiters stationed in each region, and advertising dollars spent in each region, including annual numbers and averages.

(2) A comparison of the number of active Army enlistments produced by each Army Recruiting Battalion during fiscal years 2018 through 2022, the number of recruiters stationed in each battalion, and advertising dollars spent in support of each battalion, including annual numbers and averages.

(3) An analysis of the geographic dispersion of enlistments by military occupational specialty during fiscal years 2018 through 2022.

(4) An analysis of the amount of Federal funds spent on advertising per active duty enlistment by Army Recruiting Battalion and region during fiscal

years 2018 through 2022, and a ranked list of those battalions from most efficient to least efficient.

(5) A comparison of the race, religion, gender, education levels, military occupational specialties, and waivers for enlistment granted to enlistees by region and Army Recruiting Battalion area of responsibility during fiscal years 2018 through 2022.

(b) FORMAT.—The report under this section shall display data through infographics wherever possible.

(c) PUBLICATION.—Not later than 30 days after submitting the report under subsection (a), the Secretary of the Army shall publish, on a publicly accessible website of the Army, the report and the data sets (scrubbed of all personally identifiable information) used to generate the report.

(d) REGION DEFINED.—In this section, the term ''region'' means a region used for the 2020 decennial census.

# TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

## Subtitle A—Basic Pay and Allowances

### SEC. 601. EXCLUSION OF BAH FROM GROSS HOUSEHOLD INCOME FOR PURPOSES OF BASIC NEEDS ALLOWANCE.

Section 402b(k)(1) of title 37, United States Code, is amended by striking subparagraph (B) and inserting the following:

''(B) the basic allowance for housing under section 403 of this title paid to such member.''.

### SEC. 602. BASIC ALLOWANCE FOR HOUSING FOR A MEMBER WITHOUT DEPENDENTS WHOSE RELOCATION WOULD FINANCIALLY DISADVANTAGE SUCH MEMBER.

Section 403(o) of title 37, United States Code, is amended—

(1) by inserting ''(1)'' before ''In the case of a member who is assigned''; and

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

''(2) In the case of a member without dependents who is assigned to a unit that undergoes a change of home port or a change of permanent duty station, the Secretary

concerned may, if the Secretary concerned determines that it would be inequitable to base the member's entitlement to, and amount of, a basic allowance for housing on the new home port or permanent duty station, treat such member, for the purposes of this section, as if the unit to which the member is assigned did not undergo such a change.''.

**SEC. 603. TEMPORARY CONTINUATION OF RATE OF BASIC ALLOWANCE FOR HOUSING FOR MEMBERS OF THE ARMED FORCES WHOSE SOLE DEPENDENT DIES WHILE RESIDING WITH THE MEMBER.**

(a) AUTHORITY.—Section 403 of title 37, United States Code, as amended by section 602, is further amended by—

(1) redesignating subsections (m) through (p) as subsections (n) through (q);

(2) by inserting after subsection (l) the following new subsection (m):

''(m) TEMPORARY CONTINUATION OF RATE OF BASIC ALLOWANCE FOR MEMBERS OF THE ARMED FORCES WHOSE SOLE DEPENDENT DIES WHILE RESIDING WITH THE MEMBER.—(1) Notwithstanding subsection (a)(2) or any other section of law, the Secretary of Defense and or the Secretary of the Department in

which the Coast Guard is operating, may, after the death of the sole dependent of a member of the armed forces, continue to pay a basic allowance for housing to such member at the rate paid to such member at the time of the death of such sole dependent if—

''(A) such sole dependent dies—

''(i) while the member is on active duty; and

''(ii) while residing with the member, unless separated by the necessity of military service or to receive institutional care as a result of disability or incapacitation or under such other circumstances as the Secretary concerned may by regulation prescribe; and

''(B) the member—

''(i) is not occupying a housing facility under the jurisdiction of the Secretary concerned on the date of the death of the sole dependent; or

''(ii) is occupying such housing on a rental basis on such date.

''(2) The continuation of the rate of an allowance under this subsection shall terminate 365 days after the date of the death of the sole dependent.''.

(b) CONFORMING AMENDMENT.—Section 2881a(c) of title 10, United States Code, is amended by striking ''section 403(n)'' and inserting ''section 403(o)''.

**SEC. 604. ALLOWANCE FOR GYM MEMBERSHIP FOR CERTAIN MEMBERS OF THE ARMED FORCES WHO RESIDE MORE THAN 10 MILES FROM A MILITARY INSTALLATION.**

(a) ESTABLISHMENT.—Chapter 7 of title 37, United States Code, is amended by inserting after section 425 the following new section:

**''§ 426. Allowance for gym membership for certain members of the armed forces who reside more than 10 miles from a military installation**

''(a) ALLOWANCE AUTHORIZED.—The Secretary of the military department concerned may pay, to a covered member, a monthly allowance for a gym membership.

''(b) AMOUNT.—A monthly allowance to a covered member under this section shall be in an amount determined by the Secretary of Defense based on the average cost of a gym membership in the military housing area in which the covered member resides.

''(c) DEFINITIONS.—In this section:

''(1) The term 'covered armed force' means the following:

''(A) The Army.

''(B) The Navy.

''(C) The Marine Corps.

''(D) The Air Force.

''(E) The Space Force.

''(2) The term 'covered member' means a member of a covered armed force—

''(A) who resides more than 10 miles from a military installation; and

''(B) who furnishes to the Secretary of the military department concerned receipts or other evidence such member has a gym membership.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 425 the following:

''426. Allowance for gym membership for certain members of the armed forces who reside more than 10 miles from a military installation.''.

**SEC. 605. REVIVAL AND REDESIGNATION OF PROVISION ESTABLISHING BENEFITS FOR CERTAIN MEMBERS ASSIGNED TO THE DEFENSE INTELLIGENCE AGENCY.**

(a) REVIVIAL.—Section 491 of title 37, United States Code—

(1) is revived to read as it did immediately before its repeal under section 604 of the National De-

fense Authorization Act for Fiscal Year 2022 (Public Law 117–81); and

(2) is redesignated as section 431 of such title.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 7 of such title is amended by inserting, after the item relating to section 427, the following new item:

"431. Benefits for certain members assigned to the Defense Intelligence Agency.".

**SEC. 606. REIMBURSEMENT OF CERTAIN CHILD CARE COSTS INCIDENT TO A PERMANENT CHANGE OF STATION OR ASSIGNMENT.**

(a) DESIGNATED CHILD CARE PROVIDER: DEFINITION; INCLUSION AS AUTHORIZED TRAVELER.—Section 451(a) of title 37, United States Code, is amended—

(1) in paragraph (2)(C), by inserting ", or as a designated child care provider if child care is not available to a member of the armed forces at a military child development center (as that term is defined in section 1800 of title 10) at the permanent duty location of such member not later than 30 days after the member arrives at such location" before the period; and

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

''(4) The term 'designated child care provider' means an adult selected by a member of the armed forces to provide child care to a dependent child of such member.''.

(b) AUTHORIZATION OF REIMBURSEMENT.—Section 453 of title 37, United States Code, is amended by adding at the end the following new subsection:

''(h) REIMBURSEMENT OF CERTAIN CHILD CARE COSTS INCIDENT TO A MEMBER'S PERMANENT CHANGE OF STATION OR ASSIGNMENT.—(1) From amounts otherwise made available for a fiscal year to provide travel and transportation allowances under this chapter, the Secretary concerned may reimburse a member of the armed forces for travel expenses for a designated child care provider when—

''(A) the member is reassigned, either as a permanent change of station or permanent change of assignment, to a new duty station;

''(B) the movement of the member's dependents is authorized at the expense of the United States under this section as part of the reassignment;

''(C) child care is not available at a military child development center (as that term is defined in section 1800 of title 10) at such duty station not

later than 30 days after the member arrives at such duty station; and

''(D) the dependent child is on the wait list for child care at such military child development center.

''(2) Reimbursement provided to a member under this subsection may not exceed—

''(A) $500 for a reassignment between duty stations within the continental United States; and

''(B) $1,500 for a reassignment involving a duty station outside of the continental United States.

''(3) A member may not apply for reimbursement under this subsection later than one year after a reassignment described in paragraph (1).

''(4) In the event a household contains two or more members eligible for reimbursement under this subsection, reimbursement may be paid to one member among such members as such members shall jointly elect.''.

**SEC. 607. ALLOWABLE TRAVEL AND TRANSPORTATION ALLOWANCES: COMPLEX OVERHAUL.**

Section 452(b) of title 37, United States Code, is amended—

(1) by redesignating the second paragraph (18) as paragraph (21); and

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

''(22) Permanent change of assignment to or from a naval vessel undergoing nuclear refueling or defueling and any concurrent complex overhaul, even if such assignment is within the same area as the current assignment of the member.

''(23) Current assignment to a naval vessel entering or exiting nuclear refueling or defueling and any concurrent complex overhaul.''.

**SEC. 608. EXPANSION OF AUTHORITY TO REIMBURSE A MEMBER OF THE UNIFORMED SERVICES FOR SPOUSAL BUSINESS COSTS ARISING FROM A PERMANENT CHANGE OF STATION.**

Subsection (g) of section 453 of title 37, United States Code, as amended by section 606, is further amended—

(1) in the heading, by inserting ''OR BUSINESS COSTS'' after ''RELICENSING COSTS'';

(2) in paragraph (1), by inserting ''or qualified business costs'' after ''qualified relicensing costs'';

(3) in paragraph (2)—

(A) by inserting ''(A)'' before ''Reimbursement'';

(B) by inserting ''for qualified relicensing costs'' after ''subsection'';

(C) by striking ''$1000'' and inserting ''$1,000''; and

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

''(B) Reimbursement provided to a member under this subsection for qualified business costs may not exceed $2,000 in connection with each reassignment described in paragraph (1).'';

(4) in paragraph (3), by inserting ''or qualified business costs'' after ''qualified relicensing costs'';

(5) in paragraph (4)—

(A) in the matter preceding subparagraph (A), by inserting ''business license, permit,'' after ''courses,'';

(B) in subparagraph (A)—

(i) by inserting '', or owned a business,'' before ''during'';

(ii) by inserting ''professional'' before ''license''; and

(iii) by inserting '', or business license or permit,'' after ''certification''; and

(C) in subparagraph (B)—

(i) by inserting ''professional'' before ''license''; and

(ii) by inserting '', or business license or permit,'' after ''certification''; and

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

''(5) In this subsection, the term 'qualified business costs' means costs, including moving services for equipment, equipment removal, new equipment purchases, information technology expenses, and inspection fees, incurred by the spouse of a member if—

''(A) the spouse owned a business during the member's previous duty assignment and the costs result from a movement described in paragraph (1)(B) in connection with the member's change in duty location pursuant to reassignment described in paragraph (1)(A); and

''(B) the costs were incurred or paid to move such business to a new location in connection with such reassignment.''.

**SEC. 609. PERMANENT AUTHORITY TO REIMBURSE MEMBERS FOR SPOUSE RELICENSING COSTS PURSUANT TO A PERMANENT CHANGE OF STATION.**

Subsection (g) of section 453 of title 37, United States Code, as amended by sections 606 and 608, is further amended by striking paragraph (3) and redesignating paragraph (4) as paragraph (3).

**SEC. 609A. TRAVEL AND TRANSPORTATION ALLOWANCES FOR CERTAIN MEMBERS OF THE ARMED FORCES WHO ATTEND A PROFESSIONAL MILITARY EDUCATION INSTITUTION OR TRAINING CLASSES.**

Section 453 of title 37, United States Code, as amended by sections 606, 608, and 609, is further amended by adding at the end the following new subsection:

''(i) ATTENDANCE AT PROFESSIONAL MILITARY EDUCATION INSTITUTION OR TRAINING CLASSES.—

''(1) The Secretary of the military department concerned may authorize temporary duty status, and travel and transportation allowances payable to a member in such status, for a member under the jurisdiction of such Secretary who is reassigned—

''(A) between duty stations located within the United States;

''(B) for a period of not more than one year;

''(C) for the purpose of participating in professional military education or training classes,

''(D) with orders to return to the duty station where the member maintains primary residence and the dependents of such member reside.

''(2) If the Secretary of the military department concerned assigns permanent duty status to a member described in paragraph (1), such member shall be eligible for travel and transportation allowances including the following:

''(A) Transportation, including mileage at the same rate paid for a permanent change of station.

''(B) Per diem while traveling between the permanent duty station and professional military education institution or training site.

''(C) Per diem paid in the same manner and amount as temporary lodging expenses.

''(D) Per diem equal to the amount of the basic allowance for housing under section 403 of this title paid to a member—

''(i) in the grade of such member;

''(ii) without dependents;

''(iii) who resides in the military housing area in which the professional military education institution or training site is located.

''(E) Movement of household goods in an amount determined under applicable regulations.''.

**SEC. 609B. ESTABLISHMENT OF ALLOWANCE FOR CERTAIN RELOCATIONS OF PETS OF MEMBERS OF THE UNIFORMED SERVICES.**

(a) ESTABLISHMENT.—Section 453 of title 37, United States Code, as amended by sections 606, 608, 609, and 609A, is further amended by adding at the end the following new subsection:

''(j) PET RELOCATION ARISING FROM A PERMANENT CHANGE OF DUTY STATION TO OR FROM A LOCATION OUTSIDE THE CONTINENTAL UNITED STATES.—(1) The Secretary concerned shall reimburse a member for costs—

''(A) to move a pet of the member; and

''(B) arising from a permanent change of duty station of such member to or from a location outside the continental United States.

''(2) Reimbursement provided to a member under this subsection may not exceed $2,000 in connection with each permanent change of duty station described in paragraph (1).

''(3) In this subsection, the term 'pet' has the meaning given such term in section 2266 of title 18.''.

(b) EFFECTIVE DATE.—The amendment made by this section takes effect on the day that is 180 days after the date of the enactment of this Act and applies to the relocation of a member of the uniformed services on or after such day.

**SEC. 609C. EXTENSION OF ONE-TIME UNIFORM ALLOWANCE FOR OFFICERS WHO TRANSFER TO THE SPACE FORCE.**

Subsection (d)(1) of section 606 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3672; 37 U.S.C. 416 note) is amended by striking ''September 30, 2022'' and inserting ''September 30, 2023''.

**SEC. 609D. OCONUS COST OF LIVING ALLOWANCE: ADJUSTMENTS; NOTICE TO CERTAIN CONGRESSIONAL COMMITTEES.**

(a) ADJUSTMENTS.—

(1) REDUCTIONS: LIMITATION.—The Secretary of Defense and the Secretary of the Department in

which the Coast Guard is operating may not reduce the cost-of-living allowance for a member of the Armed Forces assigned to a duty station located outside the United States except in connection with a permanent change of station for such member.

(2) INCREASES.—The Secretary of Defense and the Secretary of the Department in which the Coast Guard is operating may increase the allowance described in paragraph (1) for a member of the Armed Forces at any time.

(b) NOTICE TO CERTAIN CONGRESSIONAL COMMITTEES.—The Secretary of Defense shall notify the appropriate congressional committees not less than 180 days before modifying a table used to calculate the living allowance described in subsection (a).

(c) BRIEFING.—Not later than March 1, 2023, the Secretary of Defense shall brief the Committees on Armed Services of the Senate and House of Representatives regarding effects of this section on the allowance described in subsection (a).

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means the following:

(1) The Committee on Armed Services of the Senate.

(2) The Committees on Armed Services of the House of Representatives.

(3) The Committee on Commerce, Science, and Transportation of the Senate.

(4) The Committee on Transportation and Infrastructure of the House of Representatives.

**SEC. 609E. PAY FOR DOD AND COAST GUARD CHILD CARE PROVIDERS: STUDIES; ADJUSTMENT.**

(a) DOD CHILD CARE EMPLOYEE COMPENSATION REVIEW.—

(1) REVIEW REQUIRED.—The Secretary of Defense shall, for each geographic area in which the Secretary of a military department operates a military child development center, conduct a study—

(A) comparing the total compensation, including all pay and benefits, of child care employees of each military child development center in the geographic area to the total compensation of similarly credentialed employees of public elementary schools in such geographic area; and

(B) estimating the difference in average pay and the difference in average benefits between such child care employees and such employees of public elementary schools.

(2) SCHEDULE.—The Secretary of Defense shall complete the studies required under paragraph (1)—

(A) for the geographic areas containing the military installations with the 25 longest wait lists for child care services at military child development centers, not later than one year after the date of the enactment of this Act; and

(B) for geographic areas other than geographic areas described in subparagraph (A), not later than two years after the date of the enactment of this Act.

(3) REPORTS.—

(A) INTERIM 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 and the Coast Guard committees a report summarizing the results of the studies required under paragraph (1) that have been completed as of the date of the submission of such report.

(B) FINAL REPORT.—Not later than 120 days after the completion of all the studies required under paragraph (1), the Secretary shall submit to the congressional defense committees

and the Coast Guard committees a report summarizing the results of such studies.

(b) COAST GUARD CHILD DEVELOPMENT CENTER EMPLOYEE COMPENSATION REVIEW.—

(1) REVIEW REQUIRED.—The Secretary of Homeland Security shall, for each geographic area in which the Secretary operates a Coast Guard child development center, conduct a study—

(A) comparing the total compensation (including all pay and benefits) of child development center employees of each Coast Guard child development center in such geographic area, to the total compensation of similarly credentialed employees of public elementary schools in such geographic area; and

(B) estimating the difference in average pay and the difference in average benefits between such child development center employees and such employees of public elementary schools.

(2) SCHEDULE.—The Secretary of Homeland Security shall complete the studies required under paragraph (1)—

(A) for the geographic areas containing the Coast Guard installations with the 10 longest

wait lists for child development services at Coast Guard child development centers, not later than one year after the date of the enactment of this Act; and

(B) for geographic areas other than geographic areas described in subparagraph (A), not later than two years after the date of the enactment of this Act.

(3) REPORTS.—

(A) INTERIM REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Homeland Security shall submit to the Coast Guard committees and the congressional defense committees a report summarizing the results of the respective studies required under paragraph (1) that the Secretary has completed as of the date of the submission of such report.

(B) FINAL REPORT.—Not later than 120 days after the completion of all respective studies required under paragraph (1), the Secretary of Homeland Security shall submit to the Coast Guard committees and the congressional defense committees a report summarizing the results of such studies.

(c) COMPENSATION ADJUSTMENT.—

(1) IN GENERAL.—

(A) DEPARTMENT OF DEFENSE.—Not later than 90 days after the date on which the Secretary of Defense completes the study for a geographic area under subsection (a), the Secretary of each military department that operates a military child development center in such geographic area shall ensure that the dollar value of the total compensation, including the pay and benefits, of child care employees is not less than the average dollar value of the total compensation of similarly credentialed employees of public elementary schools in such geographic area.

(B) COAST GUARD.—Not later than 90 days after the date on which the Secretary of Homeland Security completes the study for a geographic area under subsection (b), the Commandant of the Coast Guard shall ensure that the dollar value of the total compensation, including the pay and benefits, of child development center employees in such geographic area is not less than the average dollar value of the total compensation of similarly credentialed em-

ployees of public elementary schools in such geographic area.

(2) ADJUSTMENT LIMIT.—No child care employee or child development center employee may have his or her pay or benefits decreased pursuant to paragraph (1).

(3) REPORTS.—

(A) DEPARTMENT OF DEFENSE.—Not later than one year after the date of the enactment of this Act, and annually thereafter for five years, each Secretary of a military department shall submit to the congressional defense committees and the Coast Guard committees a report detailing the effects of changes in the total compensation under this subsection, including the effects on the hiring and retention of child care employees and on the number of children for which military child development centers provide child care services.

(B) COAST GUARD.—Not later than one year after the date of the enactment of this Act, and annually thereafter for five years, the Commandant of the Coast Guard shall submit to the Coast Guard committees and the congressional defense committees a report detailing the

effects of changes in the total compensation under this subsection, including the effects on the hiring and retention of child development center employees and on the number of children for which Coast Guard child development centers provide child development services.

(d) DEFINITIONS.—In this section:

(1) The term ''benefits'' includes—

(A) retirement benefits;

(B) any insurance premiums paid by an employer;

(C) education benefits, including tuition reimbursement and student loan repayment; and

(D) any other compensation an employer provides to an employee for service performed as an employee (other than pay), as determined appropriate by the Secretary of Defense or Secretary of Homeland Security, as applicable.

(2) The terms ''child care employee'' and ''military child development center'' have the meanings given such terms in section 1800 of title 10, United States Code.

(3) The terms ''child development center employee'' and ''Coast Guard child development center''

have the meanings given such terms in section 2921 of title 14, United States Code.

(4) The term ''Coast Guard committees'' means—

(A) the Committee on Commerce, Science, and Transportation of the Senate;

(B) the Committee on Transportation and Infrastructure of the House of Representatives; and

(C) the Committees on Appropriations of the Senate and the House of Representatives.

(5) The term ''congressional defense committees'' has the meaning given such term in section 101 of title 10, United States Code.

(6) The term ''elementary school'' means a day or residential school which provides elementary education, as determined under State law.

(7) The term ''pay'' includes the basic rate of pay of an employee and any additional payments an employer pays to an employee for service performed as an employee.

# Subtitle B—Bonus and 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 component members experiencing extended and frequent mobilization for active duty service, is amended by striking ''December 31, 2022'' and inserting ''December 31, 2023''.

(b) TITLE 10 AUTHORITIES RELATING TO HEALTH CARE PROFESSIONALS.—The following sections of title 10, United States Code, are amended by striking ''December 31, 2022'' and inserting ''December 31, 2023'':

(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.

(c) AUTHORITIES RELATING TO NUCLEAR OFFICERS.—Section 333(i) of title 37, United States Code, is amended by striking ''December 31, 2022'' and inserting ''December 31, 2023''.

(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, 2022'' and inserting ''December 31, 2023'':

(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) of title 37, United States Code, is amended—

(1) in paragraph (7)(E), by striking ''December 31, 2022'' and inserting ''December 31, 2023''; and

(2) in paragraph (8)(C), by striking ''September 30, 2022'' and inserting ''December 31, 2023''.

**SEC. 612. INCREASE TO MAXIMUM AMOUNTS OF CERTAIN BONUS AND SPECIAL PAY AUTHORITIES.**

(a) GENERAL BONUS AUTHORITY FOR ENLISTED MEMBERS.—Section 331(c)(1) of title 37, United States Code, is amended—

(1) in subparagraph (A), by striking ''$50,000'' and inserting ''$75,000''; and

(2) in subparagraph (B), by striking ''$30,000'' and inserting ''$50,000''.

(b) SPECIAL BONUS AND INCENTIVE PAY AUTHORITIES FOR NUCLEAR OFFICERS.—Section 333(d)(1)(A) of title 37, United States Code, is amended by striking ''$50,000'' and inserting ''$75,000''.

(c) SPECIAL AVIATION INCENTIVE PAY AND BONUS AUTHORITIES FOR OFFICERS.—Section 334(c)(1) of title 37, United States Code, is amended—

(1) in subparagraph (A), by striking ''$1,000'' and inserting ''$1,500''; and

(2) in subparagraph (B), by striking ''$35,000'' and inserting ''$75,000''.

(d) SKILL INCENTIVE PAY OR PROFICIENCY BONUS.—Section 353(c)(1)(A) of title 37, United States Code, is amended by striking ''$1,000'' and inserting ''$1,750''.

**SEC. 613. SPECIAL PAY AND ALLOWANCES FOR MEMBERS OF THE ARMED FORCES ASSIGNED TO COLD WEATHER OPERATIONS.**

(a) SPECIAL PAY.—

(1) ESTABLISHMENT.—Subchapter II of chapter 5 of title 37, United States Code, is amended by inserting after section 336 the following new section:

**''§ 337. Special pay: members of the armed forces assigned to cold weather operations**

''(a) SPECIAL PAY AUTHORIZED.—The Secretary concerned shall pay monthly special pay (to be known as 'arctic pay') to a member of the armed forces—

''(1) assigned to perform cold weather operations; or

''(2) required to maintain proficiency through frequent operations in cold weather.

''(b) AMOUNT OF PAY.—Special pay under this section shall equal $300 per month.

''(c) RELATIONSHIP TO OTHER PAY OR ALLOWANCES.—Special pay under this section is in addition to any other pay or allowance to which a member is entitled.

''(d) SUNSET.—No special pay may be paid under this section after December 31, 2023.''.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 336 the following:

''337. Special pay: members of the armed forces assigned to permanent duty stations in Alaska.''.

(3) REGULATIONS.—The Secretary of Defense shall prescribe regulations for the payment of arctic pay under section 337 of such title, as added by subsection (a).

(b) PILOT ALLOWANCE FOR BROADBAND.—

(1) ESTABLISHMENT.—Chapter 7 of title 37, United States Code, is amended by inserting after section 425 the following new section:

**"§ 426. Allowance for broadband for members of the armed forces assigned to permanent duty stations in Alaska**

''(a) ALLOWANCE AUTHORIZED.—The Secretary concerned shall pay, to a member of the armed forces assigned to a permanent duty station in Alaska, a monthly allowance for broadband.

''(b) AMOUNT.—The monthly allowance to a member under this section shall be—

''(1) $125 during calendar year 2023; and

''(2) in subsequent calendar years, an amount determined by the Secretary of Defense based on the difference between the average costs of unlimited broadband plans in Alaska and in the continental United States.

''(c) SUNSET.—No allowance may be paid under this section after December 31, 2028.''.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 425 the following:

''426. Allowance for broadband for members of the armed forces assigned to permanent duty stations in Alaska.''.

(3) EFFECTIVE DATE.—Section 426 of such title, as added by this subsection, shall take effect on

the day the Secretary of Defense prescribes regulations under paragraph (4).

(4) REGULATIONS.—Not later than six months after the date of the enactment of this Act, the Secretary of Defense shall prescribe regulations to carry out section 426 of such title, as added by this subsection.

(5) REPORT.—Not later than December 31, 2027, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report containing—

(A) the evaluation of the Secretary of the allowance under section 426 of such title, as added by this subsection; and

(B) any recommendation of the Secretary regarding whether such allowance should be amended, extended, or made permanent.

(c) TRAVEL AND TRANSPORTATION ALLOWANCE.—

(1) ENTITLEMENT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall prescribe regulations and guidance that entitle a member of the Armed Forces, assigned to a permanent duty station in Alaska, to a one-time allowance for air travel for the member and dependents of such member.

(2) AMOUNTS.—If the air travel is to the permanent residence of the member, the amount of the allowance shall equal the total costs of such air travel. If such air travel is to another destination within the United States, amount of the allowance shall be equal to the lesser of the following:

(A) The rate for such air travel under the City Pair Program of the General Services Administration (or successor program) in effect at the time of such air travel.

(B) The actual costs of such air travel.

(3) TIMING.—Air travel reimbursed under such regulation may not commence later than 30 months after the member is assigned to a permanent duty station in Alaska.

(4) ADDITIONAL AUTHORIZATION.—The Secretary concerned may authorize an additional allowance for a member who has used the allowance to which such member is entitled under this subsection.

**SEC. 614. AUTHORIZATION OF INCENTIVE PAY TO A MEMBER OF THE ARMED FORCES WHOSE DISCLOSURE OF FRAUD, WASTE, OR MISMANAGEMENT RESULTS IN COST SAVINGS TO THE MILITARY DEPARTMENT CONCERNED.**

(a) AUTHORITY.—Subchapter II of chapter 5 of title 37, United States Code, is amended by adding at the end the following new section:

**"§ 358. Incentive pay for cost savings disclosures**

''(a) AUTHORITY.—The Secretary concerned may pay an incentive pay to a member of the Armed Forces whose disclosure of fraud, waste, or mismanagement to a covered official, results in cost savings for the military department concerned. The amount of an award under this section may not exceed the lesser of—

''(1) $10,000; or

''(2) an amount equal to 1 percent of the cost savings that the covered official determines to be the total savings attributable to such disclosure.

''(b) CALCULATION.—For purposes of subsection (a)(2), the covered official may take into account cost savings projected for subsequent fiscal years that will be attributable to such disclosure.

''(c) COVERED OFFICIAL DEFINED.—In this section, the term 'covered official' includes the following:

''(1) The Secretary concerned.

''(2) The Inspector General concerned.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 357 the following:

''358. Incentive pay for cost savings disclosures.''.

**SEC. 615. INFLATION BONUS PAY.**

(a) BONUS PAY.—Beginning on January 1, 2023, the Secretary concerned shall pay a bonus to each eligible member under the jurisdiction of such Secretary concerned.

(b) PAYMENT.—Bonus pay under this section shall be paid to an eligible member on a monthly basis.

(c) AMOUNT OF PAY.—Each bonus payment under this section shall be in an amount equal to 2.4 percent of the rate—

(1) in effect on January 1, 2023; and

(2) of, for an eligible member—

(A) pay under section 204 of title 37, United States Code; or

(B) compensation under section 206 of title 37, United States Code.

(d) RELATIONSHIP TO OTHER PAY AND ALLOWANCES.—Bonus pay paid to an eligible member under this section is in addition to any other pay and allowances to which the eligible member is entitled.

(e) TERMINATION.—No bonus may be paid under this section after December 31, 2023.

(f) ELIGIBLE MEMBER DEFINED.—In this section, the term ''eligible member'' means a member of the uniformed services—

(1) who is entitled to pay or compensation described in subsection (c)(2); and

(2) whose basic pay for 2023 is less than $45,000.

**SEC. 616. ESTABLISHING COMPLEX OVERHAUL PAY.**

(a) ESTABLISHMENT.—Not later than six months after the date of the enactment of this Act, the Secretary of Defense shall prescribe regulations under section 352 of title 37, United States Code, for the payment of special monthly pay (to be known as ''complex overhaul pay'') to a member of the Armed Forces assigned to a naval vessel undergoing nuclear refueling or defueling and any concurrent complex overhaul.

(b) AMOUNT OF PAY.—Complex overhaul pay shall equal $200 per month.

(c) RELATIONSHIP TO OTHER PAY OR ALLOWANCES.—Complex overhaul pay is in addition to any other pay or allowance to which a member is entitled.

**SEC. 617. AIR FORCE RATED OFFICER RETENTION DEMONSTRATION PROGRAM.**

(a) PROGRAM REQUIREMENT.—The Secretary shall establish and carry out within the Department of the Air Force a demonstration program to assess and improve retention on active duty in the Air Force of rated officers described in subsection (b).

(b) RATED OFFICERS DESCRIBED.—Rated officers described in this subsection are rated officers serving on active duty in the Air Force, excluding rated officers with a reserve appointment in the Air National Guard or Air Force Reserve—

(1) whose continued service on active duty would be in the best interest of the Department of the Air Force, as determined by the Secretary; and

(2) who have not more than three years and not less than one year remaining on an active duty service obligation under section 653 of title 10, United States Code.

(c) WRITTEN AGREEMENT.—

(1) IN GENERAL.—Under the demonstration program required under subsection (a), the Secretary shall offer retention incentives under subsection (d) to a rated officer described in subsection (b) who executes a written agreement to remain on active duty in a regular component of the Air Force

for not less than four years after the completion of the active duty service obligation of the officer under section 653 of title 10, United States Code.

(2) EXCEPTION.—If the Secretary of the Air Force determines that an assignment previously guaranteed under subsection (d)(1) to a rated officer described in subsection (b) cannot be fulfilled, the agreement of the officer under paragraph (1) to remain on active duty shall expire not later than one year after that determination.

(d) RETENTION INCENTIVES.—

(1) GUARANTEE OF FUTURE ASSIGNMENT LOCATION.—Under the demonstration program required under subsection (a), the Secretary may offer to a rated officer described in subsection (b) a guarantee of future assignment locations based on the preference of the officer.

(2) AVIATION BONUS.—Under the demonstration program required under subsection (a), notwithstanding section 334(c) of title 37, United States Code, the Secretary may pay to a rated officer described in subsection (b) an aviation bonus not to exceed an average annual amount of $50,000 (subject to paragraph (3)(B)).

(3) COMBINATION OF INCENTIVES.—The Secretary may offer to a rated officer described in subsection (b) a combination of incentives under paragraphs (1) and (2).

(4) VARIATIONS; LIMITATIONS.—The Secretary may vary or limit the total number of available contracts and the combination of incentives within such contracts to target certain Air Force specialty codes, ensure required assignments locations are filled, and readiness is not negatively affected. The Secretary shall determine the criteria for such variations or limitations and include such criteria in the annual briefing under subsection (e).

(e) ANNUAL BRIEFING.—Not later than December 31, 2023, and annually thereafter until the termination of the demonstration program required under subsection (a), the Secretary shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing describing the use of such demonstration program and its effects on the retention on active duty in the Air Force of rated officers described in subsection (b).

(f) DEFINITIONS.—In this section:

(1) RATED OFFICER.—The term ''rated officer'' means an officer specified in section 9253 of title 10, United States Code.

(2) SECRETARY.—The term ''Secretary'' means the Secretary of the Air Force.

(g) TERMINATION.—This section shall terminate on December 31, 2028.

# Subtitle C—Family and Survivor Benefits

**SEC. 621. EXPANDED ELIGIBILITY FOR BEREAVEMENT LEAVE FOR MEMBERS OF THE ARMED FORCES.**

(a) EXPANSION.—Section 701(m) of title 10, United States Code, is amended in paragraph (3) by striking subparagraphs (A) and (B) and inserting the following:

''(A) a spouse;

''(B) a son or daughter; or

''(C) a parent.

''(4) In this section, the term 'son or daughter' means—

''(A) a biological, adopted, step, or foster son or daughter of the individual;

''(B) a person who is a legal ward of the member, or was a legal ward of the individual when the

person was a minor or otherwise required a legal guardian; or

''(C) a person for whom the member stands in loco parentis or stood in loco parentis when the person was a minor or otherwise required the individual to stand in loco parentis.

''(5) In this section, the term 'parent' means—

''(A) a biological, adoptive, step, or foster parent of the individual, or a person who was a foster parent of the individual when the individual was a minor;

''(B) a legal guardian of the individual, or person who was a legal guardian of the individual when the individual was a minor or otherwise required a legal guardian; or

''(C) a person who stands in loco parentis to the member or stood in loco parentis when the individual was a minor or otherwise required a person to stand in loco parentis.''.

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect on the latter of July 3, 2022, and the date of the enactment of this Act.

**SEC. 622. CLAIMS RELATING TO THE RETURN OF PERSONAL EFFECTS OF A DECEASED MEMBER OF THE ARMED FORCES.**

Section 1482(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

''(11)(A) Delivery of personal effects of a decedent to the next of kin or other appropriate person.

''(B) If the Secretary concerned enters into an agreement with an entity to carry out subparagraph (A), the Secretary concerned shall pursue a claim against such entity that arises from the failure of such entity to substantially perform such subparagraph.

''(C) If an entity described in subparagraph (B) fails to substantially perform subparagraph (A) by damaging, losing, or destroying the personal effects of a decedent, the Secretary concerned shall reimburse the person designated under subsection (c) the greater of $1,000 or the fair market value of such damage, loss, or destruction. The Secretary concerned may request from, the person designated under subsection (c), proof of fair market value and ownership of the personal effects.''.

**SEC. 623. EXPANSION OF AUTHORIZED ASSISTANCE FOR PROVIDERS OF CHILD CARE SERVICES TO MEMBERS OF THE ARMED FORCES.**

(a) EXPANSION.—Section 1798 of title 10, United States Code, is amended—

(1) by striking ''financial assistance'' each place it appears and inserting ''covered assistance''; and

(2) by adding at the end the following new subsection:

''(d) COVERED ASSISTANCE DEFINED.—In this section, the term 'covered assistance' includes—

''(1) financial assistance; and

''(2) free or reduced-cost child care services furnished by the Secretary.''.

(b) TECHNCIAL AND CONFORMING AMENDMENTS.—

(1) SECTION HEADING.—The heading of such section is amended by striking ''**financial**''.

(2) TABLE OF SECTIONS.—The table of sections at the beginning of subchapter II of chapter 88 of such title is amended by striking the item relating to section 1798 and inserting the following:

''1798. Child care services and youth program services for dependents: assistance for providers.''.

**SEC. 624. SURVIVOR BENEFIT PLAN OPEN ENROLLMENT PERIOD.**

(a) PERSONS NOT CURRENTLY PARTICIPATING IN SURVIVOR BENEFIT PLAN.—

(1) ELECTION OF SBP COVERAGE.—An eligible retired or former member may elect to participate in the Survivor Benefit Plan during the open enrollment period specified in paragraph (4).

(2) ELIGIBLE RETIRED OR FORMER MEMBER.—For purposes of subparagraph (A), an eligible retired or former member is a member or former member of the uniformed services who, on the day before the first day of the open enrollment period, discontinued participation in the Survivor Benefit Plan under section 1452(g) of title 10, United States Code, and—

(A) is entitled to retired pay; or

(B) would be entitled to retired pay under chapter of title 10, United States Code (or chapter 67 of such title as in effect before October 5, 1994), but for the fact that such member or former member is under 60 years of age.

(3) STATUS UNDER SBP OF PERSONS MAKING ELECTIONS.—

(A) STANDARD ANNUITY.—A person making an election under subparagraph (A) by rea-

son of eligibility under subparagraph (B)(i) shall be treated for all purposes as providing a standard annuity under the Survivor Benefit Plan.

(B) RESERVE-COMPONENT ANNUITY.—A person making an election under subparagraph (A) by reason of eligibility under subparagraph (B)(ii) shall be treated for all purposes as providing a reserve-component annuity under the Survivor Benefit Plan.

(b) MANNER OF MAKING ELECTIONS.—

(1) IN GENERAL.—An election under this subsection must be made in writing, signed by the person making the election, and received by the Secretary concerned before the end of the open enrollment period. Except as provided in subparagraph (B), any such election shall be made subject to the same conditions, and with the same opportunities for designation of beneficiaries and specification of base amount, that apply under the Survivor Benefit Plan. A person making an election under paragraph (1) to provide a reserve-component annuity shall make a designation described in section 1448(e) of title 10, United States Code.

(2) ELECTION MUST BE VOLUNTARY.—An election under this subsection is not effective unless the person making the election declares the election to be voluntary. An election to participate in the Survivor Benefit Plan under this subsection may not be required by any court. An election to participate or not to participate in the Survivor Benefit Plan is not subject to the concurrence of a spouse or former spouse of the person.

(c) EFFECTIVE DATE FOR ELECTIONS.—Any such election shall be effective as of the first day of the first calendar month following the month in which the election is received by the Secretary concerned.

(d) OPEN ENROLLMENT PERIOD DEFINED.—The open enrollment period is the period beginning on the date of the enactment of this Act and ending on January 1, 2024.

(e) APPLICABILITY OF CERTAIN PROVISIONS OF LAW.—The provisions of sections 1449, 1453, and 1454 of title 10, United States Code, are applicable to a person making an election, and to an election, under this subsection in the same manner as if the election were made under the Survivor Benefit Plan.

(f) PREMIUMS FOR OPEN ENROLLMENT ELECTION.—

(1) PREMIUMS TO BE CHARGED.—The Secretary of Defense shall prescribe in regulations premiums which a person electing under this subsection shall be required to pay for participating in the Survivor Benefit Plan pursuant to the election. The total amount of the premiums to be paid by a person under the regulations shall be equal to the sum of—

(A) the total amount by which the retired pay of the person would have been reduced before the effective date of the election if the person had elected to participate in the Survivor Benefit Plan (for the same base amount specified in the election) at the first opportunity that was afforded the member to participate under chapter 73 of title 10, United States Code;

(B) interest on the amounts by which the retired pay of the person would have been so reduced, computed from the dates on which the retired pay would have been so reduced at such rate or rates and according to such methodology as the Secretary of Defense determines reasonable; and

(C) any additional amount that the Secretary determines necessary to protect the actuarial soundness of the Department of Defense

Military Retirement Fund against any increased risk for the fund that is associated with the election.

(2) PREMIUMS TO BE CREDITED TO RETIREMENT FUND.—Premiums paid under the regulations shall be credited to the Department of Defense Military Retirement Fund.

(g) DEFINITIONS.—In this subsection:

(1) The term ''Survivor Benefit Plan'' means the program established under subchapter II of chapter 73 of title 10, United States Code.

(2) The term ''retired pay'' includes retainer pay paid under section 8330 of title 10, United States Code.

(3) The terms ''uniformed services'' and ''Secretary concerned'' have the meanings given those terms in section 101 of title 37, United States Code.

(4) The term ''Department of Defense Military Retirement Fund'' means the Department of Defense Military Retirement Fund established under section 1461(a) of title 10, United States Code.

**SEC. 625. STUDY AND REPORT ON MILITARY INSTALLATIONS WITH LIMITED CHILD CARE.**

(a) STUDY.—

(1) IN GENERAL.—The Secretary of Defense shall conduct a study regarding child care at military installations of the covered Armed Forces—

(A) that are not served by a military child development center; or

(B) where the military child development center has few available spots.

(2) ELEMENTS.—The study shall identify the following with regards to each military installation described in paragraph (1):

(A) The current and maximum possible enrollment at the military child development center (if one exists).

(B) Plans of the Secretary to expand an existing, or construct a new, military child development center.

(C) The resulting capacity of each military child development center described in subparagraph (B).

(D) The median cost of services at accredited child care facilities located near such military installation compared to the amount of assistance provided by the Secretary of the military department concerned to members for child care services.

(b) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report containing the results of the study conducted under this section, including any policy recommendations of the Secretary to address the rising cost of child care near military installations and the rates of child care fee assistance provided to members of the covered Armed Forces.

(c) DEFINITIONS.—In this section:

(1) The term ''covered Armed Force'' means the following:

(A) The Army.

(B) The Navy.

(C) The Marine Corps.

(D) The Air Force.

(E) The Space Force.

(2) The term ''military child development center'' has the meaning given such term in section 1800 of title 10, United States Code.

# Subtitle D—Defense Resale Matters

## SEC. 631. PROHIBITION ON SALE OF CHINESE GOODS IN COMMISSARY STORES AND MILITARY EXCHANGES.

The Secretary of Defense shall prohibit the sale, at a commissary store or military exchange, of goods—

(1) manufactured in China;

(2) assembled in China; or

(3) imported into the United States from China.

# Subtitle E—Miscellaneous Rights, Benefits, and Reports

**SEC. 641. TRANSITIONAL COMPENSATION AND BENEFITS FOR THE FORMER SPOUSE OF A MEMBER OF THE ARMED FORCES WHO ALLEGEDLY COMMITTED A DEPENDENT-ABUSE OFFENSE DURING MARRIAGE.**

(a) IN GENERAL.—Section 1059 of title 10, United States Code, is amended—

(1) in the heading—

(A) by striking ''**separated for**'' and inserting ''**who commit**''; and

(B) by inserting ''**; health care**'' after ''**exchange benefits**'';

(2) in subsection (b)—

(A) in the heading, by striking ''PUNITIVE AND OTHER ADVERSE ACTIONS COVERED'' and inserting ''COVERED MEMBERS'';

(B) in paragraph (2), by striking ''offense.'' and inserting ''offense; or''; and

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

''(3) who is not described in paragraph (1) or (2) and whose former spouse alleges that the member committed a dependent-abuse offense—

''(A) during the marriage to the former spouse;

''(B) for which the applicable statute of limitations has not lapsed; and

''(C) that an incident determination committee determines meets the criteria for abuse.'';

(3) in subsection (e)(1)—

(A) in subparagraph (A)(ii), by striking ''; and'' and inserting a semicolon;

(B) in subparagraph (B), by striking the period at the end and inserting ''; and''; and

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

''(C) in the case of a member described in subsection (b)(3), shall commence upon the date of the final decree of divorce, dissolution, or annulment of that member from the former spouse described in such subsection.''; and

(4) by adding at the end the following new subsection:

''(n) HEALTH CARE FOR CERTAIN FORMER SPOUSES.—The Secretary concerned shall treat a former spouse described in subsection (b)(3) as an abused dependent described in section 1076(e) of this title.''.

(b) TECHNICAL AMENDMENT.—The table of sections at the beginning of chapter 53 of such title is amended by striking the item relating to section 1059 and inserting the following:

''1059. Dependents of members who commit dependent abuse: transitional compensation; commissary and exchange benefits; health care.''.

(c) EFFECTIVE DATE.—The amendments made by this Act shall apply to a former spouse described in subsection (b)(3) of such section 1059, as added by subsection (a)(2) of this section, whose final decree of divorce, dissolution, or annulment described in subsection (e)(1)(C) of such section 1059, as added by subsection (a)(3) of this section, is issued on or after the date of the enactment of this Act.

**SEC. 642. AUTHORIZATION OF PERMISSIVE TEMPORARY DUTY FOR WELLNESS.**

In order to reduce the rate of suicides in the Armed Forces, the Secretary of each military department may prescribe regulations that authorize a member of an Armed Force under the jurisdiction of such Secretary to

take not more than two weeks of permissive temporary duty each year to attend a seminar, retreat, workshop, or outdoor recreational therapy event—

(1) hosted by a non-profit organization; and

(2) that focuses on psychological, physical, spiritual, or social wellness.

**SEC. 643. STUDY ON BASIC PAY.**

(a) IN GENERAL.—The Secretary of Defense shall seek to enter into an agreement with a nonprofit entity or a federally funded research and development center to conduct research and analysis on the value of basic pay for members of the Armed Forces. The Secretary may include such research and analysis in the next quadrennial review of military compensation.

(b) ELEMENTS.—The research and analysis conducted under subsection (a) shall include the following:

(1) An assessment of the model used to determine the basic pay in the current basic pay tables, including—

(A) an analysis of whether to update the current model to meet the needs of the 2023 employment market;

(B) a historical understanding of when the current model was established and how frequently it has been during the last 10 years;

(C) an understanding of the assumptions on which the model is based and how such assumptions are validated;

(D) an analysis of time-in-grade requirements and how they may affect retention and promotion; and

(E) an assessment of how recruiting and retention information is used to adjust the model.

(2) An assessment of whether to modify current basic pay tables to consider higher rates of pay for specialties the Secretary determines are in critical need of personnel.

(3) An analysis of—

(A) how basic pay has compared with civilian pay since the 70th percentile benchmark for basic pay was established; and

(B) whether to change the 70th percentile benchmark.

(4) An assessment of whether—

(A) to adjust the annual increase in basic pay, currently guided by changes in the Employment Cost Index as a measure of the growth in private-sector employment costs; or

(B) to use a different index, such as the Defense Employment Cost Index.

(5) Legislative and policy recommendations regarding basic pay table based on analyses and assessments under paragraphs (1) through (4).

(c) BRIEFINGS AND PROGRESS REPORT.—

(1) INTERIM BRIEFING.—Not later than April 1, 2023, the Secretary shall provide to the appropriate congressional committees an interim briefing on the elements described in subsection (b).

(2) PROGRESS REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees a progress report on the study under this section.

(3) FINAL BRIEFING.—Not later than two years after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees a final briefing on the study under this section.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means the following:

(1) The Committee on Armed Services of the House of Representatives.

(2) The Committee on Armed Services of the Senate.

(3) The Committee on Transportation and Infrastructure of the House of Representatives.

(4) The Committee on Commerce, Science, and Transportation of the Senate.

**SEC. 644. REPORT ON ACCURACY OF BASIC ALLOWANCE FOR HOUSING.**

(a) REPORT; ELEMENTS.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of the department in which the Coast Guard is operating, shall prepare and submit to the appropriate congressional committees a report on BAH. Such report shall contain the following elements:

(1) The evaluation of the Secretary—

(A) of the efficiency and accuracy of the current system used to calculate BAH;

(B) the appropriateness of using mean and median housing costs in such calculation;

(C) of existing MHAs, in relation to choices in, and availability of, housing to servicemembers;

(D) of the suitability of the six standard housing profiles in relation to the average fam-

ily sizes of servicemembers, disaggregated by uniformed service, rank, and MHA;

(E) of the flexibility of BAH to respond to changes in real estate markets; and

(F) of residential real estate processes to determine rental rates.

(2) The recommendation of the Secretary—

(A) regarding the feasibility of including information, furnished by Federal entities, regarding school districts, in calculating BAH;

(B) whether to calculate BAH more frequently, including in response to a sudden change in the housing market;

(C) whether to enter into an agreement with a covered entity, to compile data and develop an enterprise grade, objective, data-driven algorithm to calculate BAH;

(D) whether to publish the methods used by the Secretary to calculate BAH on a publicly accessible website of the Department of Defense; and

(E) whether BAH calculations appropriately account for increased housing costs associated with Coast Guard facilities.

(b) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The Committee on Armed Services of the House of Representatives.

(B) The Committee on Armed Services of the Senate.

(C) The Committee on Transportation and Infrastructure of the House of Representatives.

(D) The Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''BAH'' means the basic allowance for housing for members of the uniformed services under section 403 of title 37, United States Code.

(3) The term ''covered entity'' means a nationally recognized entity in the field of commercial real estate that has data on local rental rates in real estate markets across the United States.

(4) The term ''MHA'' means military housing area.

(5) The term ''servicemember'' has the meaning given such term in section 101 of the Servicemembers Civil Relief Act (50 U.S.C. 3911).

**SEC. 645. STUDY AND REPORT ON BARRIERS TO HOME OWNERSHIP FOR 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 Defense shall seek to enter into an agreement with a federally funded research and development center or non-profit entity to conduct a study on the barriers to home ownership for members of the Armed Forces. At the conclusion of such study, the Secretary shall submit, to the appropriate congressional committees, a report containing the following elements:

(1) Potential barriers to such home ownership, including down payments, concerns about home maintenance, and challenges in selling a home.

(2) The percentage of members who use the basic allowance for housing to pay for a mortgage, disaggregated by Armed Force, rank, and military housing area.

(3) Any identified differences in home ownership rates among members correlated with race or gender.

(4) What percentage of members own a home before separating from the Armed Forces.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means the following:

(1) The Committee on Armed Services of the House of Representatives.

(2) The Committee on Armed Services of the Senate.

(3) The Committee on Transportation and Infrastructure of the House of Representatives.

(4) The Committee on Commerce, Science, and Transportation of the Senate.

# TITLE VII—HEALTH CARE PROVISIONS

## Subtitle A—TRICARE and Other Health Care Benefits

### SEC. 701. CLARIFICATION OF COVERAGE OF ARTIFICIAL REPRODUCTIVE SERVICES FOR CERTAIN TRICARE BENEFICIARIES.

Section 1074(c)(4) of title 10, United States Code, is amended by adding at the end the following new subparagraphs:

''(C) In providing for the coverage under this subsection of artificial reproductive services to any member of a covered armed force who incurs a serious injury or illness on active duty as specified in subparagraph (A),

the Secretary of Defense shall ensure that the coverage of such services, including gamete donation and surrogacy services, is provided without regard to whether the member is married to a spouse of the same gender, married to a spouse of the opposite gender, or unmarried.

''(D) In this paragraph, the term 'covered armed force' means the following:

''(i) The Army.

''(ii) The Navy.

''(iii) The Marine Corps.

''(iv) The Air Force.

''(v) The Space Force.''.

**SEC. 702. CLARIFICATION OF COVERAGE OF CERTAIN AREOLAR NIPPLE TATTOOING PROCEDURES UNDER TRICARE PROGRAM.**

(a) COVERAGE UNDER TRICARE PROGRAM.—Section 1079(a)(11)(A) of title 10, United States Code, is amended by inserting ''(including two-dimensional and three-dimensional areolar nipple tattooing)'' after ''breast reconstructive surgery''.

(b) APPLICABILITY.—The amendments made by subsection (a) shall apply with respect to breast reconstructive surgeries provided on or after the date of the enactment of this Act.

**SEC. 703. TRICARE DENTAL FOR SELECTED RESERVE.**

Section 1076a of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in paragraph (1)—

(i) in the header, by striking ''selected reserve and''; and

(ii) by striking ''for members of the Selected Reserve of the Ready Reserve and'';

(B) in paragraph (2), in the header, by inserting ''individual ready'' after ''other''; and

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

''(5) PLAN FOR SELECTED RESERVE.—A dental benefits plan for members of the Selected Reserve of the Ready Reserve.'';

(2) in subsection (d)—

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

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

''(3) NO PREMIUM PLANS.—(A) The dental insurance plan established under subsection (a)(5) is a no premium plan.

''(B) Members enrolled in a no premium plan may not be charged a premium for benefits provided under the plan.'';

(3) in subsection (e)(2)(A), by striking ''a member of the Selected Reserve of the Ready Reserve or'';

(4) by redesignating subsections (f) through (k) as subsections (g) through (l), respectively;

(5) by inserting after subsection (e) the following new subsection (f):

''(f) COPAYMENTS UNDER NO PREMIUM PLANS.—A member who receives dental care under a no premium plan referred to in subsection (d)(3) shall pay no charge for any care described in subsection (c).''; and

(6) in subsection (i), as redesignated by paragraph (4), by striking ''subsection (k)(2)'' and inserting ''subsection (l)(2)''.

**SEC. 704. REPORT REQUIREMENT FOR CERTAIN CONTRACTS UNDER TRICARE PROGRAM.**

(a) GAO REPORT UPON AWARD OF CERTAIN CONTRACTS.—Chapter 55 of title 10, United States Code, is amended by inserting after section 1097d the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 1097e. TRICARE program: report requirement for certain contracts**

''(a) GAO REPORT.—Not later than 180 days after the date on which the Secretary of Defense enters into a major military health care contract, the Comptroller General of the United States shall submit to the congressional defense committees a report on the contract.

''(b) MATTERS.—Each report under subsection (a) shall include, with respect to the contract for which the report is submitted, a review of the process used in awarding the contract.

''(c) MAJOR MILITARY HEALTH CARE CONTRACT DEFINED.—In this section, the term 'major military health care contract' means a contract the Secretary determines is a managed care support contract for the administration of the TRICARE program (including the administration of medical and dental care services under such program) and is estimated by the Secretary to require an eventual total expenditure of more than $1,000,000,000.''.

(b) SUBMISSION OF CRITERIA TO CONGRESS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall develop specific criteria for the determination of a contract as a ''major military health care contract'' pursuant to section 1097e(c) of title 10, United States Code, as added by sub-

section (a), and submit to the congressional defense committees a detailed list of such criteria.

**SEC. 705. TEMPORARY REQUIREMENT FOR CONTRACEPTION COVERAGE PARITY UNDER THE TRICARE PROGRAM.**

(a) IN GENERAL.—The Secretary of Defense shall ensure that, during the one-year period beginning on the date that is 30 days after the date of the enactment of the Act, the imposition or collection of cost-sharing for certain services is prohibited as follows:

(1) PHARMACY BENEFITS PROGRAM.—Notwithstanding subparagraphs (A), (B), and (C), of section 1074g(a)(6) of title 10, United States Code, cost-sharing may not be imposed or collected with respect to any eligible covered beneficiary for any prescription contraceptive on the uniform formulary provided through a retail pharmacy described in section 1074(a)(2)(E)(ii) of such title or through the national mail-order pharmacy program of the TRICARE Program.

(2) TRICARE SELECT.—Notwithstanding any provision under section 1075 of title 10, United States Code, cost-sharing may not be imposed or collected with respect to any beneficiary under such

section for a covered service that is provided by a network provider under the TRICARE program.

(3) TRICARE PRIME.—Notwithstanding subsections (a), (b), and (c) of section 1075a of title 10, United States Code, cost-sharing may not be imposed or collected with respect to any beneficiary under such section for a covered service that is provided under TRICARE Prime.

(b) DEFINITIONS.—In this section:

(1) The term ''covered service'' means any method of contraception approved by the Food and Drug Administration, any contraceptive care (including with respect to insertion, removal, and follow up), any sterilization procedure, or any patient education or counseling service provided in connection with any such method, care, or procedure.

(2) The term ''eligible covered beneficiary'' has the meaning given such term in section 1074g of title 10, United States Code.

(3) The terms ''TRICARE Program'' and ''TRICARE Prime'' have the meaning given such terms in section 1072 of title 10, United States Code.

**SEC. 706. RATES OF REIMBURSEMENT FOR PROVIDERS OF APPLIED BEHAVIOR ANALYSIS.**

(a) IN GENERAL.—In furnishing applied behavior analysis under the TRICARE program to individuals described in subsection (b) during the period beginning on the date of the enactment of this Act and ending on December 31, 2023, the Secretary of Defense shall ensure that the reimbursement rates for providers of applied behavior analysis are not less than the rates that were in effect on April 30, 2022.

(b) INDIVIDUALS DESCRIBED.—Individuals described in this subsection are individuals who are covered beneficiaries by reason of being a member or former member of the Army, Navy, Air Force, Space Force, or Marine Corps, including the reserve components thereof, or a dependent of such a member or former member.

(c) DEFINITIONS.—In this section, the terms ''covered beneficiary'' and ''TRICARE program'' have the meaning given those terms in section 1072 of title 10, United States Code.

**SEC. 707. MEDICAL TESTING AND RELATED SERVICES FOR FIREFIGHTERS OF DEPARTMENT OF DEFENSE.**

(a) PROVISION OF SERVICES.—During the annual periodic health assessment of each firefighter of the Department of Defense, or at such other intervals as may

be indicated in this subsection, the Secretary shall provide to the firefighter (at no cost to the firefighter) appropriate medical testing and related services to detect, document the presence or absence of, and prevent, certain cancers. Such services shall meet, at a minimum, the following criteria:

(1) BREAST CANCER.—With respect to the breast cancer screening, if the firefighter is a female firefighter—

(A) such services shall include the provision of a mammogram to the firefighter—

(i) on at least a biannual basis if the firefighter is 40 years old to 49 years old (inclusive);

(ii) on at least an annual basis if the firefighter is at least 50 years old; and

(iii) as clinically indicated (without regard to age); and

(B) in connection with such provision, a licensed radiologist shall review the most recent mammogram provided to the firefighter, as compared to prior mammograms so provided, and provide to the firefighter the results of such review.

(2) COLON CANCER.—With respect to colon cancer screening—

(A) if the firefighter is at least 40 years old, and as otherwise clinically indicated, such services shall include the communication to the firefighter of the risks and benefits of stool-based blood testing;

(B) if the firefighter is at least 45 years old, and as clinically indicated (without regard to age), such services shall include the provision, at regular intervals, of visual examinations (such as a colonoscopy, CT colonoscopy, or flexible sigmoidoscopy) or stool-based blood testing; and

(C) in connection with such provision, a licensed physician shall review and provide to the firefighter the results of such examination or testing, as the case may be.

(3) PROSTATE CANCER.—With respect to prostate cancer screening, if the firefighter is a male firefighter, the communication to the firefighter of the risks and benefits of prostate cancer screenings and the provision to the firefighter of a prostate-specific antigen test—

(A) on an annual basis, if the firefighter is at least 50 years old;

(B) on an annual basis, if the firefighter is at least 40 years old and is a high-risk individual; and

(C) as clinically indicated (without regard to age).

(4) OTHER CANCERS.—Such services shall include routine screenings for any other cancer the risk or occurrence of which the Director of the Centers for Disease Control and Prevention has identified as higher among firefighters than among the general public, the provision of which shall be carried out during the annual periodic health assessment of the firefighter.

(b) OPTIONAL NATURE.—A firefighter of the Department of Defense may opt out of the receipt of a medical testing or related service provided under subsection (a).

(c) USE OF CONSENSUS TECHNICAL STANDARDS.—In providing medical testing and related services under subsection (a), the Secretary shall use consensus technical standards in accordance with section 12(d) of the National Technology Transfer and Advancement Act of 1995 (15 U.S.C. 272 note).

(d) DOCUMENTATION.—

(1) IN GENERAL.—In providing medical testing and related services under subsection (a), the Secretary—

(A) shall document the acceptance rates of such tests offered and the rates of such tests performed;

(B) shall document tests results, to identify trends in the rates of cancer occurrences among firefighters; and

(C) may collect and maintain additional information from the recipients of such tests and other services, to allow for appropriate scientific analysis.

(2) PRIVACY.—In analyzing any information of an individual documented, collected, or maintained under paragraph (1), in addition to complying with other applicable privacy laws, the Secretary shall ensure the name, and any other personally identifiable information, of the individual is removed from such information prior to the analysis.

(3) SHARING WITH CENTERS FOR DISEASE CONTROL AND PREVENTION.—The Secretary may share data from any tests performed under subsection (a) with the Director of the Centers for Disease Control and Prevention, as appropriate, to in-

crease the knowledge and understanding of cancer occurrences among firefighters.

(e) DEFINITIONS.—In this section:

(1) The term ''firefighter'' has the meaning given that term in section 707 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1441; 10 U.S.C. 1074m note).

(2) The term ''high-risk individual'' means an individual who—

(A) is African American;

(B) has at least one first-degree relative who has been diagnosed with prostate cancer at an early age; or

(C) is otherwise determined by the Secretary to be high-risk with respect to prostate cancer.

**SEC. 708. AUDIT OF BEHAVIORAL HEALTH CARE NETWORK PROVIDERS LISTED IN TRICARE DIRECTORY.**

(a) AUDIT REQUIRED.—The Secretary of Defense shall conduct an audit of the behavioral health care providers listed in the TRICARE directory.

(b) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the

findings of the audit under subsection (a). Such report shall include the following:

(1) An identification of the following, disaggregated by provider specialty and TRICARE region:

(A) The number of such behavioral health care providers with respect to which there are duplicate listings in the TRICARE directory.

(B) The number of such behavioral health care providers that, as of the commencement of the audit, were listed in the TRICARE directory as available and accepting new TRICARE patients.

(C) The number of such behavioral health care providers that, as a result of the audit, the Secretary determines are no longer available or accepting new TRICARE patients.

(D) The number of such behavioral health care providers that were not previously listed in the TRICARE directory as available and accepting new TRICARE patients but that, as a result of the audit, the Secretary determines are so available and accepting.

(E) The number of behavioral health care providers listed in the TRICARE directory that are no longer practicing.

(F) The number of behavioral health care providers that, in conducting the audit, the Secretary of Defense could not reach for purposes of verifying information relating to availability or status.

(2) An identification of the number of TRICARE beneficiaries in each TRICARE region, disaggregated by beneficiary category.

(3) A description of the methods by which the Secretary measures the following:

(A) The accessibility and accuracy of the TRICARE directory, with respect to behavioral health care providers listed therein.

(B) The adequacy of behavioral health care providers under the TRICARE program.

(4) A description of the efforts of the Secretary to recruit and retain behavioral health care providers.

(5) Recommendations by the Secretary, based on the findings of the audit, on how to improve the availability of behavioral health care providers that are network providers under the TRICARE pro-

gram, including through the inclusion of specific requirements in the next generation of TRICARE contracts.

(c) DEFINITIONS.—In this section:

(1) The term ''TRICARE directory'' means the directory of network providers under the TRICARE program.

(2) The term ''TRICARE program'' has the meaning given such term in section 1072 of title 10, United States Code.

**SEC. 709. INDEPENDENT ANALYSIS OF QUALITY AND PATIENT SAFETY REVIEW PROCESS UNDER DIRECT CARE COMPONENT OF TRICARE PROGRAM.**

(a) AGREEMENT.—

(1) IN GENERAL.—The Secretary of Defense shall seek to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine (in this section referred to as the ''National Academies'') for the National Academies to carry out the activities described in subsections (b) and (c).

(2) TIMING.—The Secretary shall seek to enter into the agreement described in paragraph (1) not

later than 60 days after the date of the enactment of this Act.

(b) ANALYSIS BY THE NATIONAL ACADEMIES.—

(1) ANALYSIS.—Under an agreement between the Secretary and the National Academies entered into pursuant to subsection (a), the National Academies shall conduct an analysis of the quality and patient safety review process for health care provided under the direct care component of the TRICARE program and develop recommendations for the Secretary based on such analysis.

(2) ELEMENTS.—The analysis conducted and recommendations developed under paragraph (1) shall include, with respect to the direct care component, the following:

(A) An assessment of the procedures under such component regarding credentialing and privileging for health care providers (and an assessment of compliance with such procedures).

(B) An assessment of the processes under such component for quality assurance, standard of care, and incident review (and an assessment of compliance with such processes).

(C) An assessment of the accountability processes under such component for health care

providers who are found to have not met a required standard of care.

(3) INFORMATION ACCESS AND PRIVACY.—

(A) ACCESS TO RECORDS.—Notwithstanding section 1102 of title 10, United States Code, the Secretary shall provide the National Academies with access to such records of the Department of Defense as the Secretary may determine necessary for purposes of the National Academies conducting the analysis and developing the recommendations under paragraph (1).

(B) PRIVACY OF INFORMATION.—In conducting the analysis and developing the recommendations under paragraph (1), the National Academies—

(i) shall maintain any personally identifiable information in records accessed by the National Academies pursuant to subparagraph (A) in accordance with applicable laws, protections, and best practices regarding the privacy of information; and

(ii) may not permit access to such information by any individual or entity not

engaged in conducting such analysis or developing such recommendations.

(c) REPORT.—Under an agreement entered into between the Secretary and the National Academies under subsection (a), the National Academies, not later than one year after the date of the execution of the agreement, shall—

(1) submit to the congressional defense committees and (with respect to any findings concerning the Coast Guard when it is not operating as a service in the Department of the Navy) the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report on the findings of the National Academies with respect to the analysis conducted and recommendations developed under subsection (b); and

(2) make such report available on a public website in unclassified form.

(d) TRICARE PROGRAM DEFINED.—In this section, the term ''TRICARE program'' has the meaning given such term in section 1072 of title 10, United States Code.

# Subtitle B—Health Care Administration

**SEC. 721. CONGRESSIONAL NOTIFICATION REQUIREMENT TO MODIFY SCOPE OF SERVICES PROVIDED AT MILITARY MEDICAL TREATMENT FACILITIES.**

Section 1073c(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

''(7)(A) The Secretary of Defense may not modify the scope of medical care provided at a military medical treatment facility pursuant to paragraph (2)(C) (including by modifying the staff, types of services available, or beneficiary population served, at the facility), unless—

''(i) the Secretary submits to the Committees on Armed Services of the House of Representatives and the Senate a notification of the proposed modification in scope;

''(ii) a period of 180 days has elapsed following the date on which the Secretary submits such notification; and

''(iii) if the proposed modification in scope involves the termination or reduction of inpatient capabilities at a military medical treatment facility located outside the United States, the Secretary has

provided to each member of the armed forces or covered beneficiary receiving services at such facility a transition plan for the continuity of health care for such member or covered beneficiary and an opportunity to participate in at least two public forums convened by the Secretary, to discuss the transition plan and any related concerns.

''(B) Each notification under subparagraph (A) shall contain information demonstrating, with respect to the military medical treatment facility for which the modification in scope has been proposed, the extent to which the commander of the military installation at which the facility is located has been consulted regarding such modification, to ensure that the proposed modification in scope would have no impact on the operational plan for such installation.''.

**SEC. 722. MODIFICATION OF CERTAIN DEADLINE AND REQUIREMENT TO TRANSFER RESEARCH AND DEVELOPMENT FUNCTIONS TO DEFENSE HEALTH AGENCY.**

Section 1073c of title 10, United States Code, is amended—

(1) in subsection (e)—

(A) in the matter preceding paragraph (1), by striking ''September 30, 2022'' and inserting ''September 30, 2023''; and

(B) in paragraph (1)(B), by striking ''the Army Medical Research and Materiel Command'' and inserting ''such elements and functions of the Army Medical Research and Materiel Command as the Secretary determines appropriate'';

(2) by redesignating subsections (g) and (h) as subsections (h) and (i); and

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

''(g) REPORT REQUIREMENT.—The Secretary of Defense may not take any action to exclude an element or function of the Army Medical Research and Materiel Command from organization under or transfer to the Defense Health Agency Research and Development pursuant to a determination referred to in subsection (e)(1)(B) unless—

''(1) the Secretary submits to the Committees on Armed Services of the House of Representatives and the Senate a report containing an explanation of the determination and a plan for the proposed exclusion; and

''(2) a period of 90 days has elapsed following the date on which the Secretary submits such report.''.

**SEC. 723. MODIFICATION OF REQUIREMENT TO TRANSFER PUBLIC HEALTH FUNCTIONS TO DEFENSE HEALTH AGENCY.**

Section 1073c(e)(2) of title 10, United States Code, is amended—

(1) in the matter preceding subparagraph (A), by striking ''A subordinate'' and inserting ''(A) A subordinate'';

(2) by redesignating subparagraphs (A) and (B) as clauses (i) and (ii);

(3) in clause (ii), as so redesignated—

(A) by striking ''comprised of'' and inserting ''except as provided in subparagraph (B), comprised of''; and

(B) by striking ''Command'' each place it appears and inserting ''Center''; and

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

''(B) At the discretion of the Secretary of Defense, the Secretary of a military department may retain an element or function that would otherwise be organized under or transferred to the Defense

Health Agency Public Health pursuant to subparagraph (A)(ii) if the Secretary of Defense determines such element or function—

"(i) addresses a need that is unique to that military department; and

"(ii) is in direct support of operating forces and necessary to implement national security or defense strategies.

"(C) The Secretary of a military department may not take any action to retain an element or function pursuant to a determination by the Secretary of Defense referred to in subparagraph (B) unless—

"(i) the Secretary of Defense submits to the Committees on Armed Services of the House of Representatives and the Senate a report containing an explanation of such determination and a plan for the proposed retention; and

"(ii) a period of 90 days has elapsed following the date on which the Secretary submits such report.".

**SEC. 724. OTHER TRANSACTION AUTHORITY FOR STUDIES AND DEMONSTRATION PROJECTS RELATING TO DELIVERY OF HEALTH AND MEDICAL CARE.**

Section 1092(b) of title 10, United States Code, is amended by inserting ''or transactions (other than contracts, cooperative agreements, and grants)'' after ''contracts''.

**SEC. 725. LICENSURE REQUIREMENT FOR CERTAIN HEALTH-CARE PROFESSIONALS PROVIDING SERVICES AS PART OF MISSION RELATING TO EMERGENCY, HUMANITARIAN, OR REFUGEE ASSISTANCE.**

Section 1094(d)(2) of title 10, United States Code, is amended by inserting '' contractor not covered under section 1091 of this title who is providing medical treatment as part of a mission relating to emergency, humanitarian, or refugee assistance,'' after ''section 1091 of this title,''.

**SEC. 726. IMPROVEMENTS RELATING TO MEDICAL OFFICER OF THE MARINE CORPS POSITION.**

(a) IN GENERAL.—Chapter 806 of title 10, United States Code, is amended by adding at the end the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 8048. Medical Officer of the Marine Corps**

''(a) There is a Medical Officer of the Marine Corps who shall be appointed from among flag officers of the Navy.

''(b) The Medical Officer of the Marine Corps, while so serving, shall hold the grade of rear admiral (lower half).''.

(b) EXCLUSION FROM CERTAIN DISTRIBUTION LIMITATIONS.—Section 525 of such title is amended—

(1) by redesignating subsection (g) as subsection (h); and

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

''(g) A naval officer while serving as the Medical Officer of the Marine Corps is in addition to the number that would otherwise be permitted for the Navy for officers serving on active duty in the grade of rear admiral (lower half) under subsection (a).''.

(c) EXCLUSION FROM ACTIVE DUTY STRENGTH LIMITATIONS PRIOR TO DECEMBER 31, 2022.—Section 526 of such title is amended—

(1) by redesignating subsection (k) as subsection (l); and

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

''(k) EXCLUSION OF MEDICAL OFFICER OF MARINE CORPS.—The limitations of this section do not apply to the flag officer who is serving as the Medical Officer of the Marine Corps.''.

(d) EXCLUSION FROM ACTIVE DUTY STRENGTH LIMITATIONS AFTER DECEMBER 31, 2022.—Section 526a of such title is amended—

(1) by redesignating subsections (h) through (k) as subsections (i) through (l), respectively; and

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

''(h) EXCLUSION OF MEDICAL OFFICER OF MARINE CORPS.—The limitations of this section do not apply to the flag officer who is serving as the Medical Officer of the Marine Corps.''.

**SEC. 727. AUTHORITY FOR DEPARTMENT OF DEFENSE PROGRAM TO PROMOTE EARLY LITERACY AMONG CERTAIN YOUNG CHILDREN AS PART OF PEDIATRIC PRIMARY CARE.**

(a) PROGRAM.—Chapter 55 of title 10, United States Code, is amended by inserting after section 1109 the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 1109A. Authority for program to promote early literacy among certain young children as part of pediatric primary care**

''(a) AUTHORITY.—The Secretary of Defense may carry out a program to promote early literacy among young children the caregivers of whom are members of the armed forces as part of the pediatric primary care of such children.

''(b) ACTIVITIES.—Activities under the program under subsection (a) shall be evidence-informed and include the following:

''(1) The provision to pediatric primary care providers and other appropriate personnel of the Department of training on early literacy promotion.

''(2) The purchase and distribution of age-appropriate books to covered caregivers.

''(3) The modification of waiting rooms in military medical treatment facilities, including in specific clinics within such facilities, to ensure such waiting rooms include materials that reinforce language-rich interactions between young children and their covered caregivers, including a full selection of literature for young children.

''(4) The dissemination to covered caregivers of education materials on pediatric early literacy.

''(5) Such other activities as the Secretary determines appropriate.

''(c) LOCATIONS.—In carrying out the program under subsection (a), the Secretary may conduct the activities under subsection (b) at any military medical treatment facility.

''(d) DEFINITIONS.—In this section:

''(1) The term 'covered caregiver' means a member of the armed forces who is a caregiver of a young child.

''(2) The term 'young child' means any child from birth to the age of five years old, inclusive.''.

(b) REPORT.—Not later than one year 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 extent to which the authority under section 1109A(a) of title 10, United States Code, (as added by subsection (a)) is used, including a description of any activities carried out under the program so authorized.

(c) RULE OF CONSTRUCTION.—Nothing in this section, or the amendments made by this section, shall be construed as requiring that a child have more than one caregiver as a condition of receiving services under, or oth-

erwise participating in, the program authorized under such section 1109A.

**SEC. 728. ACCOUNTABILITY FOR WOUNDED WARRIORS UNDERGOING DISABILITY EVALUATION.**

(a) IN GENERAL.—Not later than April 1, 2023, the Secretary of Defense, in consultation with the Secretaries concerned, shall establish a policy to ensure accountability for actions taken under the authorities of the Defense Health Agency and the Armed Forces, respectively, concerning wounded, ill, and injured members of the Armed Forces during the integrated disability evaluation system process. Such policy shall include the following:

(1) A requirement that a determination of fitness for duty under chapter 61 of title 10, United States Code, of a member of the Armed Forces falls under the jurisdiction of the Secretary concerned.

(2) A description of the role of the Director of the Defense Health Organization in supporting the Secretaries concerned in carrying out determinations of fitness for duty as specified in paragraph (1).

(3) A requirement that a medical evaluation provided under the authority of the Defense Health Agency under section 1073c of title 10, United States Code, shall comply with applicable law and Department of Defense regulations and shall be con-

sidered by the Secretary concerned in determining fitness for duty under such chapter.

(4) A description of how the Director of the Defense Health Agency adheres to the medical evaluation processes of the Armed Forces, including an identification of each applicable regulation or policy the Director is required to adhere to.

(5) A requirement that wounded, ill, and injured members of the Armed Forces shall not be denied the protections, privileges, or right to due process afforded under applicable law and regulations of the Department of Defense and the Armed Forces.

(6) A description of the types of due process protections, privileges, and rights afforded to members of the Armed Forces pursuant to paragraph (5), including an identification of each such due process protection.

(b) CLARIFICATION OF RESPONSIBILITIES REGARDING MEDICAL EVALUATION BOARDS.—Section 1073c of title 10, United States Code, is amended by redesignating subsection (h) as subsection (i); and by inserting after subsection (g) the following new subsection (h):

''(h) AUTHORITIES RESERVED TO THE SECRETARIES CONCERNED REGARDING THE DISABILITY EVALUATION SYSTEM.—Notwithstanding the responsibilities and au-

thorities of the Defense Health Agency with respect to the administration of military medical treatment facilities as set forth in this section, including medical evaluations of members of the armed forces, the Secretary concerned shall maintain personnel authority over and responsibility for any member of the armed forces while the member is being considered by a medical evaluation board. Such responsibility shall include the following:

''(1) Responsibility for administering the morale and welfare of the member.

''(2) Responsibility for determinations of fitness for duty of the member under chapter 61 of this title.''.

(c) BRIEFING.—Not later than February 1, 2023, the Secretary of Defense shall provide to the appropriate congressional committees a briefing on the status of the implementation of subsections (a) and (b).

(d) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives; and

(B) the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''Secretary concerned'' has the meaning given that term in section 101 of title 10, United States Code.

**SEC. 729. INCENTIVE PAYMENTS FOR RETENTION OF CERTAIN BEHAVIORAL HEALTH PROVIDERS.**

(a) INCENTIVE PAYMENTS FOR CERTAIN BEHAVIORAL HEALTH PROVIDERS.—

(1) INCENTIVE PAYMENTS.—The Secretary of Defense, using authorities available to the Secretary, shall increase the use of incentive payments paid to individuals described in paragraph (2) for the purpose of retaining such employees.

(2) ELIGIBLE RECIPIENTS.—Individuals described in this paragraph are covered civilian behavioral health providers in the following professions:

(A) Clinical psychologists.

(B) Social workers.

(C) Counselors.

(3) PRIORITIZATION.—In increasing the use of incentive payments under paragraph (1), the Secretary of Defense shall give priority for such an incentive payment to an individual described in para-

graph (2) who is stationed at a remote installation or an installation with a higher-than-average turnover of covered civilian behavioral health providers, as determined by the Secretary.

(4) REPORTS.—Not later than February 1 of each of calendar years 2023, 2024, 2025, and 2026, the Secretary of Defense shall submit to the congressional defense committees a report that includes the following:

(A) The number of covered civilian behavioral health providers as of the end of the fiscal year preceding the year in which the report is submitted, disaggregated by the professions specified in paragraph (2) and by whether the covered civilian behavioral health provider is stationed at a remote installation.

(B) Of such covered civilian behavioral health providers, the number who, during such preceding fiscal year, received an incentive payment referred to in paragraph (1), disaggregated by the professions specified in paragraph (2) and by whether the covered civilian behavioral health provider is stationed at a remote installation.

(C) With respect to such covered civilian behavioral health providers who so received an incentive payment, the median and mean incentive payment amount so received, disaggregated by the professions specified in paragraph (2) and by whether the covered civilian behavioral health provider is stationed at a remote installations.

(D) For the five fiscal years preceding the year in which the report is submitted, the aggregate amount of incentive payments referred to in paragraph (1) paid to covered civilian behavioral health providers.

(E) A summary of the actions taken by the Secretary to implement the requirements of this section.

(F) An assessment of the effectiveness of increasing the use of incentive payments under paragraph (1) for improved retention of covered civilian behavioral health providers.

(G) Any recommendations by the Secretary for additional authorities, or modifications to authorities already available to the Secretary, to further improve the retention of covered civilian behavioral health providers.

(b) DEFINITIONS.—In this section:

(1) The term ''behavioral health'' includes clinical psychology, social work, counseling, and related fields.

(2) The term ''civilian behavioral health provider'' means a behavioral health provider who is a civilian employee of the Department of Defense.

(3) The term ''counselor'' means an individual who holds—

(A) a master's or doctoral degree from an accredited graduate program in—

(i) marriage and family therapy; or

(ii) clinical mental health counseling; and

(B) a current license or certification from a State that grants the individual the authority to provide counseling services as an independent practitioner in the respective field of the individual.

(4) The term ''covered civilian behavioral health provider'' means a civilian behavioral health provider whose employment by the Secretary of Defense involves the provision of behavioral health services at a military medical treatment facility.

(5) The term ''military installation'' has the meaning given that term in section 2801 of title 10, United States Code.

(6) The term ''remote installation'' means a military installation that the Secretary determines to be in a remote location.

**SEC. 730. CLARIFICATION OF LICENSE PORTABILITY FOR HEALTH CARE PROVIDERS PROVIDING SERVICES UNDER RESERVE HEALTH READINESS PROGRAM.**

For purposes of license portability under paragraph (1) of section 1094(d) of title 10, United States Code, a health care provider who provides medical or dental services under the Reserve Health Readiness program of the Department of Defense (or any successor program) and meets the requirements specified in subparagraphs (A) and (B) of paragraph (2) of such section shall be considered a health-care professional described in such paragraph.

**SEC. 731. POLICY OF DEFENSE HEALTH AGENCY ON EXPANDED RECOGNITION OF BOARD CERTIFICATIONS FOR PHYSICIANS.**

Not later than 180 days after the date of the enactment of this Act, the Director of the Defense Health Agency shall revise the policy of the Defense Health Agen-

cy relating to credentialing and privileging under the military health system, to expand the recognition of board certifications for physicians under such policy to a wide range of additional board certifications.

# Subtitle C—Studies and Reports

### SEC. 741. GAO STUDY ON COVERAGE OF MENTAL HEALTH DISORDERS UNDER TRICARE PROGRAM AND RELATIONSHIP TO CERTAIN MENTAL HEALTH PARITY LAWS.

(a) STUDY AND REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall—

(1) conduct a study to identify and assess the similarities and differences with respect to coverage of mental health disorders under the TRICARE program and coverage requirements under mental health parity laws; and

(2) submit to the Secretary of Defense, the congressional defense committees, and (with respect to any findings concerning the Coast Guard when it is not operating as a service in the Department of the Navy), the Secretary of Homeland Security, the Committee on Transportation and Infrastructure of the House of Representatives, and the Committee on

Commerce, Science, and Transportation of the Senate a report containing the findings of such study.

(b) MATTERS.—The report under subsection (a) shall include the following:

(1) A description of any overlaps or gaps between coverage requirements under the TRICARE program and under the mental health parity laws, with respect to treatment for the continuum of mental health disorders (including substance use disorder).

(2) An identification of any existing or anticipated effects of any such overlaps or gaps on access to care by TRICARE beneficiaries.

(3) An identification of denial rates under the TRICARE program for requests by TRICARE beneficiaries for coverage of mental or behavioral health care services, and the overturn rates of appeals for such requests, disaggregated by type of health care service.

(4) A list of each mental or behavioral health care provider type that is not an authorized provider type under the TRICARE program.

(5) An identification of any anticipated effects of modifying coverage requirements under the TRICARE program to bring such requirements into

conformity with mental health parity laws, including an assessment of the following:

(A) Potential costs to the Department of Defense, the Department of Homeland Security (with respect to matters concerning the Coast Guard when it is not operating as a service in the Department of the Navy), and TRICARE beneficiaries as a result of such modification.

(B) The adequacy of the TRICARE program network to support such modification.

(C) Potential effects of such modification on access to care by TRICARE beneficiaries.

(D) Such other matters as may be determined appropriate by the Comptroller General.

(c) BRIEFING.—Not later than 90 days after the date on which the Secretaries receives the report submitted under subsection (a), the Secretaries shall provide to the congressional defense committees a briefing on any statutory changes the Secretaries determine necessary to close gaps in the coverage of mental health disorders under the TRICARE program, including any such gaps identified in the report, to bring such coverage into conformity with requirements under mental health parity laws.

(d) DEFINITIONS.—In this section:

(1) The term ''mental health parity laws'' means—

(A) section 2726 of the Public Health Service Act (42 U.S.C. 300gg–26);

(B) section 712 of the Employee Retirement Income Security Act of 1974 (29 U.S.C. 1185a);

(C) section 9812 of the Internal Revenue Code of 1986 (26 U.S.C. 9812); or

(D) any other Federal law that applies the requirements under any of the sections described in subparagraph (A), (B), or (C), or requirements that are substantially similar to those provided under any such section, as determined by the Comptroller General.

(2) The term ''TRICARE program'' has the meaning given such term in section 1072 of title 10, United States Code.

**SEC. 742. FEASIBILITY STUDY ON ESTABLISHMENT OF NEW COMMAND ON DEFENSE HEALTH.**

(a) STUDY.—The Secretary of Defense shall conduct a feasibility study regarding the establishment of a new defense health command under which the Defense Health Agency would be a joint component. In conducting such

study, the Secretary shall consider for the new command each of the following potential structures:

(1) A unified combatant command.

(2) A specified combatant command.

(3) Any other defense health command structure the Secretary determines appropriate.

(b) MATTERS.—The study under subsection (a) shall include, with respect to the new command specified in such subsection, the following:

(1) An assessment of the organizational structure required to establish the new command with the following responsibilities and duties:

(A) The conduct of health operations among operational units of the Armed Forces.

(B) The administration of military medical treatment facilities.

(C) The administration of the TRICARE program.

(D) Serving as the element of the Armed Forces with the primary responsibility for the following:

(i) Medical treatment, advanced trauma management, emergency surgery, and resuscitative care.

(ii) Emergency and specialty surgery, intensive care, medical specialty care, and related services.

(iii) Preventive, acute, restorative, curative, rehabilitative, and convalescent care.

(E) Collaboration with medical facilities participating in the National Disaster Medical System established pursuant to section 2812 of the Public Health Service Act (42 U.S.C. 300hh–11), the Veterans Health Administration, and such other Federal departments and agencies and nongovermental organizations as may be determined appropriate, including with respect to the care services specified in subparagraph (D)(iii).

(F) The conduct of existing research and education activities of the Department of Defense in the filed of health sciences.

(G) The conduct of public health and global health activities not otherwise assigned to the Armed Forces.

(H) The administration of the Defense Health Program Account under section 1100 of title 10, United States Code.

(2) A description of the potential reporting relationship between the commander of the new command, the Assistant Secretary of Defense for Health Affairs, and the Under Secretary of Defense for Personnel and Readiness.

(3) A description of the roles of the Surgeons General of the Army, Navy and Air Force, with respect to the commander of the new command.

(4) A description of the additional legislative authorities, if any, necessary to establish the new command.

(c) BRIEFING; REPORT.—Not later than September 30, 2023, the Secretary of Defense shall—

(1) provide to the Committees of Armed Services of the House of Representatives and the Senate briefing on the results of the study under subsection (a); and

(2) submit to the Committees of Armed Services of the House of Representatives and the Senate briefing and report on the results of such study.

**SEC. 743. STUDY AND AWARENESS INITIATIVE REGARDING USE OF MEDICINAL CANNABIS TO TREAT CERTAIN MEMBERS OF THE ARMED FORCES ON TERMINAL LEAVE.**

(a) STUDY.—The Secretary of Defense shall conduct a study on the use of medicinal cannabis as an alternative to prescription opioids in the treatment of members of the Armed Forces on terminal leave preceding separation, retirement, or release from active duty.

(b) PARTICIPANTS.—The Secretary shall select participants in the study under subsection (a) from among members of the Armed Forces on terminal leave—

(1) who have been diagnosed with post traumatic stress disorder, a traumatic brain injury, or any other condition involving severe pain, as determined by the Secretary for purposes of this section;

(2) who but for such participation, would be prescribed opioid medications in connection with the treatment of such condition; and

(3) who elect to participate in the study (including in the post-study monitoring under subsection (c)).

(c) POST-STUDY MONITORING.—Following the conclusion of the study under subsection (a), the Secretary shall monitor the effects of such study on the health of former participants by conducting assessments of such

former participants, and shall submit to the congressional defense committees reports on the results of such monitoring, at the following intervals:

(1) One year after the date of such conclusion.

(2) Three years after the date of such conclusion.

(d) EFFECT ON OTHER BENEFITS.—The eligibility or entitlement of a member of the Armed Forces to any other benefit under the laws administered by the Secretary shall not be affected by the participation of the member in the study under this section (including by participation in the post-study monitoring under subsection (c)).

(e) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report on the findings of the study under subsection (a). Such report shall include—

(1) a description of any such findings relating to the benefits or other effects of using medicinal cannabis as an alternative to prescription opioids under the study; and

(2) any recommendations of the Secretary based on such findings.

(f) EDUCATION INITIATIVE.—The Secretary shall carry out an education initiative regarding the use of me-

dicinal cannabis for the treatment of the conditions referred to in subsection (b)(1). In carrying out such initiative, the Secretary shall take into consideration—

(1) to the extent practicable, the findings of the study under subsection (a);

(2) the specific vulnerability to opioid abuse and substance abuse disorder of individuals transitioning from serving on active duty in the Armed Forces; and

(3) best practices for reducing the stigmatization of medicinal cannabis.

(g) DEFINITIONS.—In this section:

(1) The terms ''active duty'' and ''Armed Forces'' have the meaning given those terms in section 101 of title 10, United States Code.

(2) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Energy and Commerce of the House of Representatives; and

(C) the Committee on Commerce, Science, and Transportation of the Senate.

**SEC. 744. REPORT ON COMPOSITION OF MEDICAL PERSONNEL OF EACH MILITARY DEPARTMENT AND RELATED MATTERS.**

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, and annually thereafter for five years, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the composition of the medical personnel of each military department and related matters.

(b) MATTERS.—The report under subsection (a) shall include the following:

(1) With respect to each military department, the following:

(A) An identification of the total number of medical personnel of the military department.

(B) An identification of the number of such medical personnel who are officers in a grade above O–6.

(C) An identification of the number of such medical personnel who are officers in a grade below O–7.

(D) An identification of the number of such medical personnel who are enlisted members.

(E) An assessment of potential issues relating to the composition of such medical personnel.

(F) A description of any plans of the Secretary to—

(i) reduce the total number of such medical personnel; or

(ii) eliminate any covered position for such medical personnel.

(G) A recommendation by the Secretary for the number of covered positions for such medical personnel that should be required for purposes of maximizing medical readiness (without regard to current statutory limitations, or potential future statutory limitations, on such number), presented as a total number for each military department and disaggregated by grade.

(2) An assessment of the advisability of establishing within the Department of the Air Force, by not later than five years after the date of the enactment of this Act, a position of the Medical Officer

of the Space Force with the responsibilities of advising the Chief of Space Operations on all matters relating to health care for members of the Space Force and serving as the expert on such matters in working with the heads of other Federal departments and agencies on related issues.

(3) An assessment of the necessity of maintaining the position of the Medical Officer of the Marine Corps, including—

(A) a comparison of the effects of filling such position with an officer in the grade of O–6 versus an officer in the grade of O–7;

(B) an assessment of potential issues associated with the elimination of such position; and

(C) a description of any potential effects of such elimination with respect to medical readiness.

(c) DISAGGREGATION OF CERTAIN DATA.—The data specified in subparagraphs (A) through (D) of subsection (b)(1) shall be presented as a total number and disaggregated by each medical component of the respective military department.

(d) CONSIDERATIONS IN ASSESSING CERTAIN SPACE FORCE MATTER.—In conducting the assessment pursuant to subsection (b)(2), the Secretary of Defense shall take

into consideration the tasks, operations, and specific health care considerations that accompany the space warfighting mission of the Space Force.

(e) DEFINITIONS.—In this section:

(1) The term ''covered position'' means a position for an officer in a grade above O–6.

(2) The terms ''enlisted member'' and ''officer'' have the meanings given those terms in section 101(b) of title 10, United States Code.

(3) The term ''medical component'' means—

(A) in the case of the Army, the Medical Corps, Dental Corps, Nurse Corps, Medical Service Corps, Veterinary Corps, and Army Medical Specialist Corps;

(B) in the case of the Air Force, members designated as medical officers, dental officers, Air Force nurses, medical service officers, and biomedical science officers; and

(C) in the case of the Navy, the Medical Corps, Dental Corps, Nurse Corps, and Medical Service Corps.

(4) The term ''medical personnel'' has the meaning given such term in section 115a(e) of title 10, United States Code.

(5) The term ''military department'' has the meaning given that term in section 101(a) of such title.

**SEC. 745. BRIEFING AND REPORT ON REDUCTION OR REALIGNMENT OF MILITARY MEDICAL MANNING AND MEDICAL BILLETS.**

Section 731(a)(2)(A) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) is amended to read as follows:

''(A) BRIEFING; REPORT.—The Comptroller General shall submit to the Committees on Armed Services of the House of Representatives and the Senate—

''(i) a briefing on preliminary observations regarding the analyses used to support any reduction or realignment of military medical manning, including any reduction or realignment of medical billets of the military departments, not later than December 27, 2022; and

''(ii) a report on such analyses not later than May 31, 2023.''.

# Subtitle D—Other Matters

## SEC. 761. INCLUSION OF EXPOSURE TO PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES AS COMPONENT OF PERIODIC HEALTH ASSESSMENTS.

(a) PERIODIC HEALTH ASSESSMENT.—Each Secretary concerned 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 Secretary concerned 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 Secretary concerned 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 Secretary concerned 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 TO DETERMINE EXPOSURE TO PERFLUOROALKYL SUBSTANCES OR POLYFLUOROALKYL SUBSTANCES.—

(1) PROVISION OF BLOOD TESTING.—

(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 concerned shall provide to that member, during the 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) ANALYSIS OF BLOOD TESTING RESULTS.—

(A) PLAN.—Not later than one year 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 plan, consistent with Department of Defense Instruction 6055.05 (or such successor instruction), to

track and analyze, including through the identification and analysis of trends, the results of blood testing results provided pursuant to the paragraph (1) or under section 707 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1441; 10 U.S.C. 1074m note).

(B) ANNUAL REPORTS.—Not later than two years after the date of the enactment of this Act, and annually thereafter, the Secretary shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report containing a summary of the results of blood testing provided pursuant to paragraph (1), at a Department of Defense-wide level.

(e) DEFINITIONS.—In this section:

(1) 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); or

(C) a deployment assessment conducted under section 1074f(b)(2) of such title, as amended by subsection (c).

(2) The term ''Secretary concerned'' has the meaning given such term in section 101 of title 10, United States Code.

**SEC. 762. MANDATORY TRAINING ON HEALTH EFFECTS OF PERFLUOROALKYL OR POLYFLUOROALKYL SUBSTANCES.**

The Secretary of Defense shall provide to each medical provider of the Department of Defense mandatory training with respect to the potential health effects of perfluoroalkyl or polyfluoroalkyl substances.

**SEC. 763. NON-MEDICAL COUNSELING SERVICES FOR MILITARY FAMILIES.**

Section 1781 of title 10, United States Code, is amended by adding at the end the following new subsections:

''(d) NON-MEDICAL COUNSELING SERVICES.—(1) In carrying out the duties of the Office under subsection (b), the Director of Military Family Readiness Policy may coordinate programs and activities for the provision of non-medical counseling services to military families through the Military and Family Counseling Program.

''(2) Notwithstanding any law regarding the licensure or certification of mental health professionals, a mental health professional described in paragraph (3) may provide non-medical counseling services through the Military and Family Counseling Program at any location in a State, the District of Columbia, or a Commonwealth, territory or possession of the United States, without regard to where the provider or recipient of such services is located or the mode of the delivery of such services, if the provision of such services is within the scope of the authorized Federal duties of the professional.

''(3) A mental health professional described in this paragraph is an individual who is—

''(A) a mental health professional who holds a current license or certification that is—

''(i) issued by a State, the District of Columbia, or a Commonwealth, territory, or possession of the United States; and

''(ii) recognized by the Secretary of Defense;

''(B) a member of the uniformed services, a civilian employee of the Department of Defense, or a contractor designated by the Secretary of Defense; and

''(C) performing authorized duties for the Department of Defense under a program or as part of an activity referred to in paragraph (1).

''(e) DEFINITIONS.—In this section:

''(1) The term 'Military and Family Counseling Program' means the Military and Family Counseling Program of the Department of Defense, or any successor program.

''(2) The term 'non-medical counseling services' means mental health care services that—

''(A) are non-clinical, short-term, and solution-focused; and

''(B) address topics related to personal growth, development, and positive functioning.''.

**SEC. 764. CLARIFICATIONS RELATING TO ANALYSIS OF DEPARTMENT OF DEFENSE COMPREHENSIVE AUTISM DEMONSTRATION PROGRAM BY NATIONAL ACADEMIES.**

(a) CLARIFICATIONS.—Section 737 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1800) is amended—

(1) in subsection (b)(2)—

(A) in subparagraph (A), by inserting ''broadly'' after ''disorder'';

(B) in subparagraph (C), by inserting ''parental involvement in applied behavior analysis treatment, and'' after ''including'';

(C) by amending subparagraph (D) to read as follows:

''(D) A review of the health outcomes, including mental health outcomes, for individuals who have received applied behavioral analysis treatments over time.'';

(D) in subparagraph (E), by inserting '', since the inception of such program,'' after ''demonstration program'';

(E) in subparagraph (F), by striking ''effectiveness'' and inserting ''cost effectiveness, program effectiveness, and clinical effectiveness'';

(F) in subparagraph (G), by inserting ''than in the general population'' after ''military families'';

(G) by redesignating subparagraph (H) as subparagraph (I); and

(H) by inserting after subparagraph (G), as amended by subparagraph (F) of this paragraph, the following new subparagraph:

''(H) An analysis on whether the diagnosis and treatment of autism is more prevalent among the children of military families than in the general population.''; and

(2) in subsection (c), by striking ''nine months'' and inserting ''two years and seven months''.

(b) TECHNICAL AND CONFORMING AMENDMENT.—Such section is further amended by striking ''demonstration project'' each place it appears and inserting ''demonstration program''.

**SEC. 765. CLARIFICATION OF ELIGIBILITY FOR MEMBERSHIP TO INDEPENDENT SUICIDE PREVENTION AND RESPONSE REVIEW COMMITTEE.**

Section 738(b)(3) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1801) is amended by inserting '', unless the individual is a retired member of the Armed Forces or a former civilian employee of the Department, or the individual is hired for the purpose of serving on such committee'' after ''Department of Defense''.

**SEC. 766. IMPROVEMENT TO WOUNDED WARRIOR SERVICE DOG PROGRAM.**

Section 745 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021

(134 Stat. 3710; Public Law 10 U.S.C. 1071 note) is amended—

(1) by redesignating subsection (b) as subsection (c); and

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

''(b) GRANTS.—

''(1) IN GENERAL.—In carrying out the Wounded Warrior Service Dog Program, the Secretary of Defense may award grants to nonprofit organizations to provide assistance dogs under such program.

''(2) APPLICATIONS.—An applicant for a grant under paragraph (1) shall submit an application at such time, in such manner, and containing such information as the Secretary determines.

''(3) SELECTION.—The Secretary shall select nonprofit organizations that submit applications for the award of grants under the Wounded Warrior Service Dog Program using a competitive process.

''(4) CONSIDERATIONS FOR GRANT AMOUNT.—In determining the amount of a grant to award to a nonprofit organization selected under paragraph (3), the Secretary shall consider the following:

''(A) The merits of the application submitted by the nonprofit organization.

''(B) Whether, and to what extent, there is demand by covered members or covered veterans for assistance dogs provided by the nonprofit organization.

''(C) The capacity and capability of the nonprofit organization to raise and train assistance dogs to meet such demand.

''(D) Such other factors as the Secretary may determine appropriate.

''(5) LIMITATION ON GRANT AMOUNTS.—The amount of a grant awarded to a nonprofit organization selected under paragraph (3) may not exceed $2,000,000.''.

**SEC. 767. IMPROVEMENTS RELATING TO BEHAVIORAL HEALTH CARE AVAILABLE UNDER MILITARY HEALTH SYSTEM.**

(a) EXPANSION OF CERTAIN BEHAVIORAL HEALTH PROGRAMS AT THE UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES.—

(1) ESTABLISHMENT OF GRADUATE PROGRAMS.—The Secretary of Defense shall establish graduate degree-granting programs in counseling and social work at the Uniformed Services University of the Health Sciences.

(2) EXPANSION OF CLINICAL PSYCHOLOGY GRADUATE PROGRAM.—The Secretary of Defense shall take such steps as may be necessary to expand the clinical psychology graduate program of the Uniformed Services University of the Health Sciences.

(3) POST-AWARD EMPLOYMENT OBLIGATION.—

(A) AGREEMENT WITH SECRETARY.—Subject to subparagraph (B), as a condition of enrolling in a degree-granting program in clinical psychology, social work, or counseling at the Uniformed Services University of the Health Sciences, a civilian student shall enter into an agreement with the Secretary of Defense pursuant to which the student agrees that, if the student does not become a member of a uniformed service upon graduating such program, the student shall work on a full-time basis as a covered civilian behavioral health provider for a period of a duration that is at least equivalent to the period during which the student was enrolled in such program.

(B) OTHER TERMS AND CONDITIONS.—An agreement entered into pursuant to subparagraph (A) may include such other terms and conditions as the Secretary of Defense may de-

termine necessary to protect the interests of the United States or otherwise appropriate for purposes of this section, including terms and conditions providing for limited exceptions from the employment obligation specified in such subparagraph.

(C) REPAYMENT.—A civilian graduate who does not complete the employment obligation required under the agreement entered into pursuant to subparagraph (A) shall repay to the Secretary of Defense a prorated portion of the student's costs of attendance in the program described in such paragraph. The amount of such prorated portion shall be determined by the Secretary.

(D) APPLICABILITY.—This subsection shall apply to civilian students who enroll in the first year of a degree-granting program in clinical psychology, social work, or counseling at the Uniformed Services University of the Health Sciences on or after the date of the enactment of this Act.

(4) IMPLEMENTATION PLAN.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional de-

fense committees a plan for the implementation of this subsection. Such plan shall include—

(A) a determination as to the resources for personnel and facilities required for such implementation;

(B) estimated timelines for such implementation; and

(C) a projection of the number of graduates from the programs specified in paragraph (1) upon the completion of such implementation.

(b) SCHOLARSHIP-FOR-SERVICE PROGRAM FOR CIVILIAN BEHAVIORAL HEALTH PROVIDERS.—

(1) IN GENERAL.—Beginning not later than two years after the date of the enactment of this Act, the Secretary of Defense shall carry out a program under which—

(A) the Secretary may provide—

(i) direct grants to cover tuition, fees, living expenses, and other costs of attendance at an institution of higher education to an individual enrolled in a program of study leading to a graduate degree in clinical psychology, social work, counseling, or

a related field (as determined by the Secretary); and

(ii) student loan repayment assistance to a credentialed behavioral health provider who has a graduate degree in clinical psychology, social work, counseling, or a related field (as determined by the Secretary); and

(B) in exchange for such assistance, the recipient shall commit to work as a covered civilian behavioral health provider in accordance with paragraph (2).

(2) POST-AWARD EMPLOYMENT OBLIGATIONS.—

(A) IN GENERAL.—Subject to subparagraph (B), as a condition of receiving assistance under paragraph (1), the recipient of such assistance shall enter into an agreement with the Secretary of Defense pursuant to which the recipient agrees to work on a full-time basis as a covered civilian behavioral health provider for a period of a duration that is at least equivalent to the period during which the recipient received assistance under such paragraph.

(B) OTHER TERMS AND CONDITIONS.—An agreement entered into pursuant to subparagraph (A) may include such other terms and conditions as the Secretary of Defense may determine necessary to protect the interests of the United States or otherwise appropriate for purposes of this section, including terms and conditions providing for limited exceptions from the post-award employment obligation specified in such subparagraph.

(3) REPAYMENT.—An individual who receives assistance under paragraph (1) and does not complete the employment obligation required under the agreement entered into pursuant to paragraph (2) shall repay to the Secretary of Defense a prorated portion of the financial assistance received by the individual under paragraph (1). The amount of such prorated portion shall be determined by the Secretary.

(4) IMPLEMENTATION PLAN.—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 plan for the implementation of this subsection. Such plan shall include—

(A) a determination as to the resources required for such implementation;

(B) estimated timelines for such implementation; and

(C) a projection of the number of recipients of assistance under paragraph (1) upon the completion of such implementation.

(c) REPORT ON BEHAVIORAL HEALTH WORKFORCE.—

(1) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall conduct an analysis of the behavioral health workforce under the direct care component of the TRICARE program and submit to the congressional defense committees a report containing the results of such analysis. Such report shall include, with respect to such workforce, the following:

(A) The number of positions authorized for military behavioral health providers within such workforce, and the number of such positions filled, disaggregated by the professions described in paragraph (2).

(B) The number of positions authorized for civilian behavioral health providers within such workforce, and the number of such positions

filled, disaggregated by the professions described in paragraph (2).

(C) For each military department, the ratio of military behavioral health providers assigned to military medical treatment facilities compared to civilian behavioral health providers so assigned, disaggregated by the professions described in paragraph (2).

(D) For each military department, the number of military behavioral health providers authorized to be embedded within an operational unit, and the number of such positions filled, disaggregated by the professions described in paragraph (2).

(E) Data on the historical demand for behavioral health services by members of the Armed Forces.

(F) An estimate of the number of health care providers necessary to meet the demand by such members for behavioral health care services under the direct care component of the TRICARE program, disaggregated by provider type.

(G) An identification of any shortfall between the estimated number under subpara-

graph (F) and the total number of positions for behavioral health providers filled within such workforce.

(H) Such other information as the Secretary may determine appropriate.

(2) PROVIDER TYPES.—The professions described in this paragraph are as follows:

(A) Clinical psychologists.

(B) Social workers.

(C) Counselors.

(D) Such other professions as the Secretary may determine appropriate.

(3) BEHAVIORAL WORKFORCE AT REMOTE LOCATIONS.—In conducting the analysis of the behavioral health workforce under paragraph (1), the Secretary of Defense shall ensure such behavioral health workforce at remote locations (including Guam and Hawaii) and any shortfalls thereof, is taken into account.

(d) PLAN TO ADDRESS SHORTFALLS IN BEHAVIORAL HEALTH WORKFORCE.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a plan to address any shortfall of the behavioral health workforce iden-

tified under subsection (c)(1)(G). Such plan shall address the following:

(1) With respect to any such shortfall of military behavioral health providers (addressed separately with respect to such providers assigned to military medical treatment facilities and such providers assigned to be embedded within operational units), the recruitment, accession, retention, special pay and other aspects of compensation, workload, role of the Uniformed Services University of the Health Sciences and the Armed Forces Health Professions Scholarship Program under chapter 105 of title 10, United States Code, any additional authorities or resources necessary for the Secretary to increase the number of such providers, and such other considerations as the Secretary may consider appropriate.

(2) With respect to addressing any such shortfall of civilian behavioral health providers, the recruitment, hiring, retention, pay and benefits, workload, educational scholarship programs, any additional authorities or resources necessary for the Secretary to increase the number of such providers, and such other considerations as the Secretary may consider appropriate.

(3) A recommendation as to whether the number of military behavioral health providers in each military department should be increased, and if so, by how many.

(4) A plan to ensure that remote installations are prioritized for the assignment of military behavioral health providers.

(5) Updated access standards for behavioral health care under the military health system, taking into account—

(A) the duration of time between a patient receiving a referral for such care and the patient receiving individualized treatment (following an initial intake assessment) from a behavioral health provider; and

(B) the frequency of regular follow-up appointments subsequent to the first appointment at which a patient receives such individualized treatment.

(6) A plan to expand access to behavioral health care under the military health system using telehealth.

(e) DEFINITIONS.—In this section:

(1) The term ''behavioral health'' includes psychiatry, clinical psychology, social work, counseling, and related fields.

(2) The term ''civilian behavioral health provider'' means a behavioral health provider who is a civilian employee of the Department of Defense.

(3) The term ''cost of attendance'' has the meaning given that term in section 472 of the Higher Education Act of 1965 (20 U.S.C. 1087ll).

(4) The term ''counselor'' means an individual who holds—

(A) a master's or doctoral degree from an accredited graduate program in—

(i) marriage and family therapy; or

(ii) clinical mental health counseling; and

(B) a current license or certification from a State that grants the individual the authority to provide counseling services as an independent practitioner in the respective field of the individual.

(5) The term ''covered civilian behavioral health provider'' means a civilian behavioral health provider whose employment by the Secretary of Defense in-

volves the provision of behavioral health services at a military medical treatment facility.

(6) 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).

(7) The term ''military behavioral health provider'' means a behavioral health provider who is a member of the Armed Forces.

(8) The term ''military installation'' has the meaning given that term in section 2801 of title 10, United States Code.

(9) The term ''military medical treatment facility'' means a facility specified in section 1073d of such title.

(10) The term ''remote installation'' means a military installation that the Secretary determines to be in a remote location.

(11) The term ''State'' means each of the several States, the District of Columbia, and each commonwealth, territory or possession of the United States.

(12) The term ''TRICARE program'' has the meaning given that term in section 1072 of title 10, United States Code.

**SEC. 768. ASSIGNMENT OF BEHAVIORAL HEALTH PROVIDERS AND TECHNICIANS TO AIRCRAFT CARRIERS.**

(a) ASSIGNMENT.—Beginning not later than December 31, 2023, the Secretary of the Navy shall ensure there is assigned to each aircraft carrier not fewer than two military behavioral health providers and not fewer than two behavioral health technicians.

(b) DEFINITIONS.—In this section:

(1) The term ''behavioral health'' includes clinical psychology, social work, counseling, and related fields.

(2) The term ''behavioral health technician'' means an enlisted member of the Armed Forces who is trained to perform clinical activities in support of a licensed behavioral health provider.

(3) The term ''military behavioral health provider'' means a behavioral health provider who is a member of the Armed Forces.

**SEC. 769. DEPARTMENT OF DEFENSE INTERNSHIP PROGRAMS RELATING TO CIVILIAN BEHAVIORAL HEALTH PROVIDERS.**

(a) INTERNSHIP PROGRAMS FOR CIVILIAN BEHAVIORAL HEALTH.—

(1) ESTABLISHMENT OF PROGRAMS.—The Secretary of Defense shall establish paid pre-doctoral

and post-doctoral internship programs for the purpose of training clinical psychologists to work as covered civilian behavioral health providers.

(2) EMPLOYMENT OBLIGATION.—

(A) IN GENERAL.—Subject to subparagraph (B), as a condition of participating in an internship program under paragraph (1), the participant shall enter into an agreement with the Secretary of Defense pursuant to which the participant agrees to work on a full-time basis as a covered civilian behavioral health provider for a period of a duration that is at least equivalent to the period of participation in such internship program.

(B) OTHER TERMS AND CONDITIONS.—An agreement entered into pursuant to subparagraph (A) may include such other terms and conditions as the Secretary of Defense may determine necessary to protect the interests of the United States or otherwise appropriate for purposes of this section, including terms and conditions providing for limited exceptions from the employment obligation specified in such subparagraph.

(3) REPAYMENT.—An individual who participates in an internship program under paragraph (1) and does not complete the employment obligation required under the agreement entered into pursuant to paragraph (2) shall repay to the Secretary of Defense a prorated portion of the cost of administering such program with respect to such individual and of any payment received by the individual under such program. The amount of such prorated portion shall be determined by the Secretary.

(4) IMPLEMENTATION PLAN.—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 plan for the implementation of this subsection. Such plan shall include an explanation of how the Secretary will adjust the workload and staffing of behavioral health providers in military medical treatment facilities to ensure sufficient capacity to supervise participants in the internship programs under paragraph (1).

(b) DEFINITIONS.—In this section:

(1) The term ''behavioral health'' includes psychiatry, clinical psychology, social work, counseling, and related fields.

(2) The term ''covered civilian behavioral health provider'' means a civilian behavioral health provider whose employment by the Secretary of Defense involves the provision of behavioral health services at a military medical treatment facility.

(3) The term ''civilian behavioral health provider'' means a behavioral health provider who is a civilian employee of the Department of Defense.

(4) The term ''military medical treatment facility'' means a facility specified in section 1073d of such title.

**SEC. 770. BRAIN HEALTH INITIATIVE OF DEPARTMENT OF DEFENSE.**

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Secretaries concerned, shall establish a comprehensive initiative for brain health to be known as the ''Warfighter Brain Health Initiative'' (in this section referred to as the ''Initiative'') for the purpose of unifying efforts and programs across the Department of Defense to improve the cognitive performance and brain health of members of the Armed Forces.

(b) OBJECTIVES.—The objectives of the Initiative shall be the following:

(1) To enhance, maintain, and restore the cognitive performance of members of the Armed Forces

through education, training, prevention, protection, monitoring, detection, diagnosis, treatment, and rehabilitation, including through the following activities:

(A) The establishment of a program to monitor cognitive brain health across the Department of Defense, beginning upon the accession of a member to the Armed Forces and repeated at regular intervals thereafter, with the goal of detecting any need for cognitive enhancement or restoration resulting from potential brain exposures of the member, to mitigate possible evolution of injury or disease progression.

(B) The identification and dissemination of thresholds for blast pressure safety and associated emerging scientific evidence.

(C) The modification of high-risk training and operational activities to mitigate the negative effects of repetitive blast exposure.

(D) The identification of individuals who perform high-risk training or occupational activities, for purposes of increased monitoring of the brain health of such individuals.

(E) The development and operational fielding of non-invasive, portable, point-of-care medical devices, to inform the diagnosis and treatment of traumatic brain injury.

(F) The establishment of a standardized monitoring program that documents and analyzes blast exposures that may affect the brain health of members of the Armed Forces.

(G) The development of a resource that would set forth specific criteria used in the awarding of potential grants for research projects relating to the direct correlation of environmental exposures and brain injuries to the brain health of members of the Armed Forces.

(H) The incorporation of the findings and recommendations of the report of the National Academies of Science, Engineering, and Medicine titled ''Traumatic Brain Injury: A Roadmap for Accelerating Progress'' and published in 2022 (relating to the acceleration of progress in traumatic brain injury research and care), or any successor report, into activities of the Department relating to brain health, as applicable.

(2) To harmonize and prioritize the efforts of the Department of Defense into a single approach to

brain health, to produce more efficient and effective results.

(c) STRATEGY AND IMPLEMENTATION PLAN.—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 setting forth a strategy and implementation plan of the Department of Defense to achieve the objectives of the Initiative under subsection (b).

(d) ANNUAL BUDGET JUSTIFICATION DOCUMENTS.—In the budget justification materials submitted to Congress in support of the Department of Defense budget for each of fiscal years 2025 through 2029 (as submitted with the budget of the President under section 1105(a) of title 31, United States Code), the Secretary of Defense shall include a budget justification display that includes all activities of the Department relating to the Initiative.

(e) ANNUAL REPORTS.—Not later than January 31, 2024, and annually thereafter until January 31, 2030, the Secretary of Defense shall submit to the congressional defense committees a report on the Initiative that includes the following:

(1) A description of the activities taken under the Initiative and resources expended under the Initiative during the prior fiscal year.

(2) A summary of the progress made during the prior fiscal year with respect to the objectives of the Initiative under subsection (b).

(f) SECRETARY CONCERNED DEFINED.—In this section, the term ''Secretary concerned'' has the meaning given that term in section 101 of title 10, United States Code.

**SEC. 771. AUTHORITY TO CONDUCT PILOT PROGRAM RELATING TO MONITORING OF BLAST OVERPRESSURE EXPOSURE.**

(a) AUTHORITY.—The Director of the Defense Health Agency may conduct, as part of the initiative of the Department of Defense known as the ''Warfighter Brain Initiative'' (or any successor initiative), a pilot program under which the Director shall monitor blast overpressure exposure through the use of commercially available, off-the-shelf, wearable sensors, and document and evaluate data collected as a result of such monitoring.

(b) LOCATIONS.—Monitoring activities under a pilot program conducted pursuant to subsection (a) shall be carried out in each training environment that the Director determines poses a risk for blast overpressure exposure.

(c) DOCUMENTATION AND SHARING OF DATA.—If the Director conducts a pilot program pursuant to subsection (a), the Director shall—

(1) ensure that any data collected pursuant to such pilot program that is related to the health effects of the blast overpressure exposure of a member of the Armed Forces who participated in the pilot program is documented and maintained by the Secretary of Defense in an electronic health record for the member; and

(2) to the extent practicable, and in accordance with applicable provisions of law relating to data privacy, make data collected pursuant to such pilot program available to other academic and medical researchers for the purpose of informing future research and treatment options.

**SEC. 772. STANDARDIZATION ACROSS DEPARTMENT OF DEFENSE OF POLICIES RELATING TO SERVICE BY INDIVIDUALS DIAGNOSED WITH HBV.**

(a) IN GENERAL.—The Secretary of Defense, in coordination with the Secretaries concerned, shall—

(1) review regulations, establish policies, and issue guidance relating to service by individuals diagnosed with HBV, consistent with the health care

standards and clinical guidelines of the Department of Defense; and

(2) identify areas where regulations, policies, and guidance of the Department relating to individuals diagnosed with HBV (including with respect to enlistments, assignments, deployments, and retention standards) may be standardized across the Armed Forces.

(b) AWARENESS, EDUCATION, AND TRAINING.—

(1) REVIEWS AND RECOMMENDATIONS.—The Secretary of Defense shall—

(A) conduct a review of the education, training, and resources furnished to members of the Armed Forces regarding the regulations and policies of the Department of Defense that govern the screening, documentation, treatment, management, and practice standards for individuals diagnosed with HBV, including a review of the awareness and understanding of such policies within clinical settings;

(B) conduct a review of the resources and support services furnished to members of the Armed Forces diagnosed with HBV, including any resources containing information on—

(i) the health care options of the member; or

(ii) regulations or policies of the Department relating to such diagnosed members; and

(C) identify recommendations, based on the findings of the reviews conducted under subsections (A) and (B), to improve the awareness and understanding of regulations and policies of the Department for individuals diagnosed with HBV.

(2) PROVISION OF EDUCATION, TRAINING, RESOURCES, AND SUPPORT.—The Secretary of Defense, taking into account the recommendations under paragraph (1)(C), shall provide to members of the Armed Forces—

(A) education, training, and resources to increase awareness and understanding of the regulations and policies of the Department of Defense that govern the screening, documentation, treatment, management, and practice standards for individuals diagnosed with HBV, including in health care settings; and

(B) in the case of members of the Armed Forces diagnosed with HBV, education, re-

sources, and support services regarding the regulations and policies of the Department relating to such diagnosed members, including with respect to enlistments, assignments, deployments, retention standards, and health care services available to such members.

(c) DEFINITIONS.—In this section:

(1) The term ''HBV'' means the Hepatitis B Virus.

(2) The term ''Secretary concerned'' has the meaning given that term in section 101 of title 10, United States Code.

**SEC. 773. CERTIFICATION PROGRAM IN PROVISION OF MENTAL HEALTH SERVICES TO MEMBERS OF THE ARMED FORCES, VETERANS, AND MILITARY FAMILIES.**

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of Veterans Affairs and the President of the Uniformed Services University of the Health Sciences, shall develop a curriculum and certification program to provide civilian mental health professionals and students in mental health-related disciplines with the specialized knowledge and skills necessary to address the unique mental health needs of members of the Armed Forces, veterans, and military families.

(b) IMPLEMENTATION.—Not later than 90 days after completing the development of the curriculum and certification program under subsection (a), the Secretary of Defense shall implement such curriculum and certification program in the Uniformed Services University of the Health Sciences.

(c) AUTHORITY TO DISSEMINATE BEST PRACTICES.—The Secretary of Defense may disseminate best practices based on the curriculum and certification program developed and implemented under this section to other institutions of higher education.

(d) TERMINATION.—The authority to carry out the curriculum and certification program under this section shall terminate on the date that is five years after the date of the enactment of this Act.

(e) REPORT.—Not later than 180 days after the termination date specified in subsection (d), the Secretary of Defense shall submit to the appropriate congressional committees a report on the results of the curriculum and certification program developed and implemented under this section.

(f) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the Committee on Armed Services and the Committee on Energy and Commerce of the House of Representatives; and

(B) the Committee on Armed Services and the Committee on Health, Education, Labor, and Pensions of the Senate.

(2) The term ''institution of higher education'' has the meaning given that term in section 102 of the Higher Education Act of 1965 (20 U.S.C. 1002).

**SEC. 774. 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 in support of combat or special operations.

(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 an agreement 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 such 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.

(c) 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 directive described in section 1044c(b) of title 10, United 25 States Code, and a military testamentary instrument described 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 consent to the use of their cryopreserved and stored gametes.

(d) AGREEMENTS.—To carry out this section, the Secretary—

(1) may enter into agreements with private entities that provide cryopreservation and storage services for gametes; and

(2) in selecting such private entities with which to enter into agreements, shall (to the maximum extent practicable) select such private entities that offer multi-site storage and fertility testing services prior to cryopreservation.

**SEC. 775. PILOT PROGRAM FOR PARTICIPATION BY MEMBERS OF SELECTED RESERVE IN HEALTH PROFESSIONS SCHOLARSHIP AND FINANCIAL ASSISTANCE PROGRAMS.**

(a) PILOT PROGRAM.—Notwithstanding section 2123 of title 10, United States Code, and in accordance with such regulations as may be prescribed by the Secretary of Defense for the purpose of carrying out this section, each Secretary of a military department shall carry out a pilot program under which that Secretary may modify service obligations for certain individuals under the health professions scholarship and financial assistance program of that military department, to expand participation in such program to such individuals.

(b) ELIGIBILITY.—To be eligible for participation in the pilot program under subsection (a), in addition to meeting the eligibility requirements under section 2122 of title 10, United States Code, an individual may not have previously been a member of the health professions scholarship and financial assistance program.

(c) CONDITIONS ON PARTICIPATION.—

(1) IN GENERAL.—As a condition of participating in the pilot program under subsection (a), an individual eligible under subsection (b) shall enter into an agreement with the Secretary of the military

department concerned pursuant to which the individual agrees—

(A) to participate as a member of the health professions scholarship and financial assistance program of that military department;

(B) to complete courses of study and specialized training under such program in a health profession discipline designated by that Secretary as a critically needed wartime discipline; and

(C) upon completion of participation in such program, to satisfy, in lieu of the active duty obligation under section 2123 of title 10, United States Code, a service obligation in the Selected Reserve of the Ready Reserve of that military department for the period described in paragraph (2).

(2) LENGTH OF PERIOD OF SERVICE.—The period described in this paragraph is a period of time of a length determined by the Secretary of the military department concerned, except that such period may not be shorter than a period equal to—

(A) each year of participation in the health professions scholarship and financial assistance

program pursuant to paragraph (1)(A) multiplied by two and a half; plus

(B) if such participation was for a period of two years or fewer, an additional two and a half years.

(3) DETAILS OF SERVICE OBLIGATION.—Unless otherwise specified by the Secretary of the military department concerned—

(A) any period of time spent in intern or residency training shall not be creditable in satisfying the service obligation under paragraph (1)(C);

(B) any period of time used to satisfy another military service obligation shall not be creditable in satisfying the service obligation under paragraph (1)(C); and

(C) the period described in paragraph (2) shall be a consecutive period of time.

(4) FAILURE TO COMPLETE.—

(A) ALTERNATIVE OBLIGATIONS.—A participant in the pilot program under subsection (a) who is relieved of the service obligation under paragraph (1)(C) before the completion of that service obligation may be given, with or without the consent of the participant, either of

the following alternative obligations, as determined by the Secretary of the military department concerned:

(i) A service obligation in the Selected Reserve of the Ready Reserve of another military department for a period of time not less than the remaining service obligation of the participant.

(ii) Repayment to the Secretary of Defense of a percentage of the total cost incurred by the Secretary under such pilot program on behalf of the member pursuant to the repayment provisions of section 303a(e) or 373 of title 37, United States Code.

(B) CIVILIAN EMPLOYEE ALTERNATIVE.—In addition to the alternative obligations specified in subparagraph (A), if a participant in the pilot program under subsection (a) is relieved of the service obligation under paragraph (1)(C) by reason of the separation of the participant because of a physical disability, the Secretary of the military department concerned may give the participant a service obligation as a civilian employee employed as a health care professional in

a facility of the uniformed services for a period of time determined by that Secretary, but not to exceed the remaining service obligation of the participant.

(d) METRICS AND EVALUATIONS.—The Secretary of Defense shall establish metrics, and carry out evaluations using such metrics, to determine the effectiveness of the pilot program under subsection (a).

(e) TERMINATION.—The authority to carry out the pilot program under subsection (a) shall terminate on October 1, 2027.

(f) BRIEFINGS.—Not later than 180 days prior to the date on which the pilot program under subsection (a) terminates, each Secretary of a military department shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on the effectiveness of the pilot program.

(g) DEFINITIONS.—In this section:

(1) The terms ''course of study'' and ''specialized training'' have the meaning given those terms in section 2120 of title 10, United States Code.

(2) The term ''health professions scholarship and financial assistance program'' has the meaning given the term ''program'' under such section.

(3) The term ''member of the health professions scholarship and financial assistance program'' has the meaning given the term ''member of the program'' under such section.

**SEC. 776. PILOT PROGRAM ON ENSURING PHARMACEUTICAL SUPPLY STABILITY.**

(a) IN GENERAL.—Not later than January 1 2024, the Secretary of Defense, acting through the Director of the Defense Logistics Agency, shall establish a pilot program to acquire, manage, and replenish a 180-day supply of at least 30 commonly used generic drugs at risk of shortage under the military health system as a result of a pharmaceutical supply chain disruption, to ensure the stability of such supply.

(b) MILITARY MEDICAL TREATMENT FACILITIES.—The Secretary of Defense shall select for participation in the pilot program established under subsection (a) not fewer than five military medical treatment facilities that are—

(1) located in the continental United States; and

(2) at the greatest risk of pharmaceutical supply chain disruption, as determined by the Secretary.

(c) ELEMENTS.—In carrying out the pilot program established under subsection (a), the Secretary of Defense shall—

(1) use the systems and processes of the Direct Vendor Delivery System established by section 352 of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 2458 note);

(2) include the establishment of a vendor managed inventory approach to pharmaceutical distribution, to acquire, manage, and replenish the vendor-held supply described in subsection (a) to prevent product expiration and shortages; and

(3) ensure guaranteed Department of Defense access to the vendor managed inventory approach specified in paragraph (2).

(d) TERMINATION.—The pilot program established under this section shall terminate on the date that is three years after the date of the enactment of this Act.

(e) INITIAL REPORT.—Not later than 30 days after the date of the establishment of the pilot program under subsection (a), the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and Senate a report on the design of the pilot program. Such report shall include—

(1) a description of the military medical treatment facilities selected under subsection (b) and the generic drugs selected for the pilot program pursuant to subsection (a);

(2) the plan for the implementation and management of the pilot program; and

(3) key performance indicators to measure the success of the pilot program in ensuring the availability of generic drugs selected for the pilot program pursuant to subsection (a).

(f) FINAL REPORT.—Not later than 180 days after the termination date under subsection (d), the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and Senate a final report on the results of the pilot program. The report shall include—

(1) measurements of key performance indicators identified in the initial report required under subsection (e);

(2) an analysis of the success of the pilot program in preventing shortages of commonly used generic drugs within the military medical treatment facilities selected under subsection (b); and

(3) recommendations for further expansions of the pilot program, including any legislative or regu-

latory proposals the Secretary determines would reduce supply chain risk to commonly used generic drugs under the military health system.

(g) DEFINITIONS.—In this section:

(1) The term ''generic drug'' means a drug (as defined in section 201 of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 231)) that is approved pursuant to section 505(j) of such Act (21 U.S.C. 355(j)).

(2) The term ''pharmaceutical supply chain disruption'' means a disruption described in the report of the Inspector General of the Department of Defense titled ''Evaluation of the Department of Defense's Mitigation of Foreign Suppliers in the Pharmaceutical Supply Chain'' (DODIG-2021-126) and published on September 20, 2021.

**SEC. 777. ESTABLISHMENT OF PARTNERSHIP PROGRAM BETWEEN UNITED STATES AND UKRAINE FOR MILITARY TRAUMA CARE AND RESEARCH.**

Not later than February 24, 2023, the Secretary of Defense shall seek to enter into a partnership with the appropriate counterpart from the Government of Ukraine for the establishment of a joint program on military trauma care and research. Such program shall consist of the following:

(1) The sharing of relevant lessons learned from the Russo-Ukraine War.

(2) The conduct of relevant joint conferences and exchanges with military medical professionals from Ukraine and the United States.

(3) Collaboration with the armed forces of Ukraine on matters relating to health policy, health administration, and medical supplies and equipment, including through knowledge exchanges.

(4) The conduct of joint research and development on the health effects of new and emerging weapons.

(5) The entrance into agreements with military medical schools of Ukraine for reciprocal education programs under which students at the Uniformed Services University of the Health Sciences receive specialized military medical instruction at the such military medical schools of Ukraine and military medical personnel of Ukraine receive specialized military medical instruction at the Uniformed Services University of the Health Sciences, pursuant to section 2114(f) of title 10, United States Code.

(6) The provision of support to Ukraine for the purpose of facilitating the establishment in Ukraine

of a program substantially similar to the Wounded Warrior Program in the United States.

(7) The provision of training to the armed forces of Ukraine in the following areas:

(A) Health matters relating to chemical, biological, radiological, nuclear and explosive weapons.

(B) Preventive medicine and infectious disease.

(C) Post traumatic stress disorder.

(D) Suicide prevention.

(8) The maintenance of a list of medical supplies and equipment needed.

(9) Such other elements as the Secretary of Defense may determine appropriate.

**SEC. 778. 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 nonprofit research entities, and Israeli institutions with exper-

tise 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 agreement titled ''Agreement Between the Government of the United States of America and the Government of Israel on the United States-Israel Binational Science Foundation'', dated September 27, 1972.

(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 7 years after the date on which the first such grant is awarded.

**SEC. 779. SUICIDE CLUSTER: STANDARDIZED DEFINITION FOR USE BY DEPARTMENT OF DEFENSE; CONGRESSIONAL NOTIFICATION.**

(a) STANDARDIZATION OF DEFINITION.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretaries concerned, shall develop, for use across the Armed Forces, a standardized definition for the term ''suicide cluster''.

(b) NOTIFICATION REQUIRED.—Beginning not later than one year after the date of the enactment of this Act, whenever the Secretary determines the occurrence of a suicide cluster (as that term is defined pursuant to subsection (a)) among members of the Armed Forces, the Secretary shall submit to the appropriate congressional committees a notification of such determination.

(c) COORDINATION REQUIRED.—In developing the definition under subsection (a) and the process for submitting required notifications under subsection (b), the Sec-

retary of Defense shall coordinate with the Secretaries concerned.

(d) BRIEFING.—Not later than April 1, 2023, the Secretary of Defense shall provide to the appropriate congressional committees a briefing on the following:

(1) The methodology being used in the development of the definition under subsection (a).

(2) The progress made towards the development of the process for submitting required notifications under subsection (b).

(3) An estimated timeline for the implementation of this section.

(e) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The Committee on Armed Services of the House of Representatives.

(B) The Committee on Armed Services of the Senate.

(C) The Committee on Transportation and Infrastructure of the House of Representatives.

(D) The Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''Secretary concerned'' has the meaning given that term in section 101 of title 10, United States Codes.

**SEC. 780. LIMITATION ON REALIGNMENT OR REDUCTION OF MILITARY MEDICAL MANNING END STRENGTH: CERTIFICATION REQUIREMENT AND OTHER REFORMS.**

(a) LIMITATION.—

(1) IN GENERAL.—In addition to the limitation under section 719 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1454), as most recently amended by section 731 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1795), the Secretary of Defense and the Secretaries concerned may not realign or reduce military medical end strength authorizations during the period described in paragraph (2), and after such period, may not realign or reduce such authorizations unless—

(A) the report is submitted under subsection (b); and

(B) the certification is submitted under subsection (c).

(2) COVERED PERIOD.—The period described in this paragraph is a period of at least three years that begins on the date of the enactment of this Act.

(b) REPORT ON COMPOSITION OF MILITARY MEDICAL WORKFORCE REQUIREMENTS.—The Secretary of Defense, in coordination with the Secretaries of the military departments, shall conduct an assessment of military medical manning requirements and submit to Committees on Armed Services of the House of Representatives and the Senate a report containing the findings of such assessment. Such assessment shall be informed by the following:

(1) The National Defense Strategy submitted under section 113(g) of title 10, United States Code.

(2) The National Military Strategy prepared under section 153(b) of such title.

(3) The campaign plans of the combatant commands.

(4) Theater strategies.

(5) The joint medical estimate under section 732 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1817).

(6) The plan of the Department of Defense on integrated medical operations, as updated pursuant to paragraph (1) of section 724(a) of the National

Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1793; 10 U.S.C. 1096 note).

(7) The plan of the Department of Defense on global patient movement, as updated pursuant to paragraph (2) of such section.

(8) The biosurveillance program of the Department of Defense established pursuant to Department of Defense Directive 6420.02 (relating to biosurveillance).

(9) Requirements for graduate medical education.

(10) The report of the COVID–19 Military Health System Review Panel under section 731 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3698).

(11) The report of the Inspector General of the Department of Defense titled ''Evaluation of Department of Defense Military Medical Treatment Facility Challenges During the Coronavirus Disease-2019 (COVID-19) Pandemic in Fiscal Year 2021 (DODIG-2022-081)'' and published on April 5, 2022.

(12) Such other reports as may be determined appropriate by the Secretary of Defense.

(c) CERTIFICATION.—The Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a certification containing the following:

(1) A certification of the completion of a comprehensive review of military medical manning, including with respect to the medical corps (or other health- or medical-related component of a military department), designator, profession, occupation, and rating of medical personnel.

(2) A justification for any proposed increase, realignment, reduction, or other change to the specialty and occupational composition of military medical end strength authorizations, which may include compliance with a requirement or recommendation set forth in a strategy, plan, or other matter specified in subsection (b).

(3) A certification that, in the case that any change to such specialty or occupational composition is required, a vacancy resulting from such change may not be filled with a position other than a health- or medical-related position until such time as

there are no military medical billets remaining to fill the vacancy.

(4) A risk analysis associated with the potential realignment or reduction of any military medical end strength authorizations.

(5) An identification of any plans of the Department to backfill military medical personnel positions with civilian personnel.

(6) A plan to address persistent vacancies for civilian personnel in health- or medical-related positions, and a risk analysis associated with the hiring, onboarding, and retention of such civilian personnel, taking into account provider shortfalls across the United States.

(7) A comprehensive plan to mitigate any risk identified pursuant to paragraph (4) or (6), including with respect to funding necessary for such mitigation across fiscal years.

(d) INTERIM BRIEFINGS AND FINAL REPORT.—

(1) INITIAL BRIEFING.—Not later than April 1, 2023, the Secretary of Defense shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on how the Secretary plans to meet the report requirement

under subsection (b) and the certification requirement under subsection (c).

(2) BRIEFING ON PROGRESS.—Not later than two years after the date of the enactment of this Act, the Secretary of Defense shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on the progress made towards completion of such requirements.

(3) FINAL REPORT.—Not later than three years 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 final report on the completion of such requirements. Such final report shall be in addition to the report required under subsection (b) and the certification required under subsection (c).

(e) DEFINITIONS.—In this section:

(1) The term ''medical personnel'' has the meaning given such term in section 115a(e) of such title.

(2) The term ''theater strategy'' means an overarching construct outlining the vision of a combatant commander for the integration and synchronization of military activities and operations with other na-

tional power instruments to achieve the strategic objectives of the United States.

**SEC. 781. REVIEW AND UPDATE OF POLICY RELATING TO COMMAND NOTIFICATION PROCESS AND REDUCTION OF MENTAL HEALTH STIGMA.**

(a) REVIEW AND UPDATE.—

(1) IN GENERAL.—Not later than October 1, 2023, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall review and update the Department of Defense Instruction 6490.08, titled ''Command Notification Requirements to Dispel Stigma in Providing Mental Health Care to Service Members'', or any successor instruction.

(2) ELEMENTS.—In carrying out the review and update of the instruction under paragraph (1), the Secretary shall ensure the updated version—

(A) provides health care providers with clear guidance on the process and timeline for making a required command notification;

(B) provides for the protection of the privacy of mental health information shared through such notification process, including by—

(i) restricting access to such information to personnel for whom such specific knowledge is necessary for the conduct of official duties;

(ii) requiring that military commanders, and any other personnel with access to such information, treat such information as any other health information, including with respect to applicable privacy laws; and

(iii) setting forth updated training requirements for military commanders on the treatment of such information; and

(C) directs military commanders to take steps to further reduce the stigma of mental health among members of the Armed Forces, including by promoting mental health care as equivalent to other types of health care.

(b) REPORT.—Not later than April 1, 2023, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the progress made towards the completion of the review and update under subsection (a).

# TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

## Subtitle A—Acquisition Policy and Management

### SEC. 801. WRITING AWARD TO ENCOURAGE CURIOSITY AND PERSISTENCE IN OVERCOMING OBSTACLES IN ACQUISITION.

(a) IN GENERAL.—Chapter 87 of title 10, United States Code, is amended by inserting after section 1742 the following new section:

**"§ 1743. Writing award to encourage curiosity and persistence in overcoming obstacles in the defense acquisition system**

''(a) ESTABLISHMENT.—The President of the Defense Acquisition University shall establish an award to recognize members of the acquisition workforce who use an iterative writing process to document a first-hand account of using independent judgment to overcome an obstacle the member faced while working within the defense acquisition system (as defined in section 3001 of this title).

''(b) SUBMISSION REQUIRED.—A member of the acquisition workforce desiring an award under this section shall submit to the President such first-hand account.

''(c) AMOUNT OF AWARD.—A recipient of an award under this section shall receive $10,000.

''(d) NUMBER OF AWARDS.—The President of the Defense Acquisition University may make not more than five awards each year.

''(e) WEBPAGE.—The President of the Defense Acquisition University shall establish and maintain a webpage to serve as a repository for submissions made under subsection (b). Such webpage shall allow for public comments and discussion.

''(f) CONTENTS OF SUBMISSION.—The recipient of an award under this section shall demonstrate in the submission described under subsection (b)—

''(1) an original and engaging idea documenting the use of independent judgment to overcome an obstacle the recipient faced while working within the defense acquisition system; and

''(2) the use of an iterative writing process, including evidence of—

''(A) critical thinking;

''(B) incorporation of feedback from diverse perspectives; and

''(C) editing to achieve plain writing (as defined in section 3 of the Plain Writing Act of 2010 (5 U.S.C. 301 note)).

''(g) FUNDING.—The Secretary of Defense shall use funds from the Defense Acquisition Workforce Development Account to carry out this section.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after section 1742 the following new item:

''1743. Writing award to encourage curiosity and persistence in overcoming obstacles in acquisition.''.

**SEC. 802. DATA REQUIREMENTS FOR COMMERCIAL ITEM PRICING NOT BASED ON ADEQUATE PRICE COMPETITION.**

(a) INFORMATION REQUIRED.—Section 3455 of title 10, United States Code, is amended—

(1) in subsection (b)—

(A) by inserting ''(1)'' before ''A subsystem'';

(B) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively; and

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

''(2) With respect to a subsystem for which a contracting officer made a determination under paragraph

(1)(B) and for a subsystem proposed as commercial (as defined in section 103(1) of title 41, United States Code) and that has not previously been determined commercial in accordance with section 3703(d) of this title, the offeror shall provide the following information:

''(A) An identification of a comparable commercial product that is customarily used by the general public or nongovernmental entities that serves as the basis for assertion that the proposed subsystem is a commercial product.

''(B) A comparison of the essential physical characteristics and functionality between the proposed subsystem and the comparable commercial product in support of such assertion.

''(C) The national stock number (as defined in section 101-30.101-3 of title 41, Code of Federal Regulations (or a successor regulation)), if available, for the comparable commercial product and the proposed subsystem.'';

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

''(3) With respect to components or spare parts proposed as commercial for which a contracting officer made a determination under paragraph (1)(B), the offeror shall provide the following information for components or spare

parts proposed as commercial (as defined in section 103(1) of title 41, United States Code) and that have not previously been determined commercial in accordance with section 3703(d) of this title:

''(A) An identification of a comparable commercial product that is customarily used by the general public or nongovernmental entities that serves as the basis for the assertion that the proposed components or spare parts are commercial products.

''(B) A comparison of the essential physical characteristics and functionality between the proposed components or spare parts and the comparable commercial product in support of such assertion.

''(C) The national stock number (as defined in section 101-30.101-3 of title 41, Code of Federal Regulations (or a successor regulation)), if available, for the comparable commercial product and the proposed components or spare parts.''.

(b) MODIFICATIONS TO INFORMATION SUBMITTED.—Section 3455(d) is amended—

(1) in the subsection heading, by inserting ''FOR CERTAIN PROCUREMENTS'' after ''SUBMITTED'';

(2) in paragraph (1)—

(A) in the matter preceding subparagraph (A), by striking ''section,'' and all that follows through ''to submit'' and inserting ''section that are not subject to the exceptions in section 3703(a)(1) of this title, the offeror shall be required to submit to or to provide access to the contracting officer, on an unredacted basis'';

(B) in subparagraph (A)—

(i) by inserting ''all'' before ''prices paid''; and

(ii) by inserting '', and the contents of such terms and conditions'' after ''commercial customers'';

(C) in subparagraph (B)—

(i) by striking ''information on'' and all that follows through ''same or similar'' and inserting ''information on prices for the same or similar'';

(ii) by striking ''conditions;'' and inserting ''conditions, and the contents of such terms and conditions; and''; and

(iii) by striking clauses (ii), (iii), and (iv).

(D) in subparagraph (C)—

(i) by striking ''reasonableness of price,'' and inserting the following: ''reasonableness of price because the comparable products provided by the offeror are not a valid basis for a price analysis, or the contracting officer determines the proposed price is not reasonable after evaluating prices paid, the offeror shall be required to provide''; and

(ii) by inserting before the period at the end the following: '', where a request for cost data shall be approved at a level above the contracting officer''.

**SEC. 803. PREFERENCE FOR DOMESTIC FOODS FOR MILITARY WORKING DOGS.**

(a) IN GENERAL.—Chapter 287 of title 10, United States Code, is amended by adding at the end the following new section:

**''§ 3906. Preference for domestic foods for military working dogs**

''With respect to the acquisition of food for military working dogs by the Defense Logistics Agency, the Director of the Defense Logistic Agency shall give a preference for the acquisition of food that is manufactured or produced—

''(1) in the United States;

''(2) by an entity that is based in the United States; and

''(3) using only ingredients and materials that were grown, mined, manufactured, or produced in the United States.''.

(b) CLERICAL AMENDMENT.—The table of chapters for chapter 287 of title 10, United States Code, is amended by adding at the end the following new item:

''3906. Preference for domestic food for military working dogs.''.

**SEC. 804. LIFE CYCLE MANAGEMENT AND PRODUCT SUPPORT.**

Section 4324(b) of title 10, United States Code, is amended—

(1) by designating the matter preceding subparagraph (A), as so redesignated, as paragraph (1);

(2) by redesignating paragraphs (1), (2), (3), (4), (5), (6), (7), and (8) as subparagraphs (A), (B), (C), (D), (E), (F), (G), and (I), respectively;

(3) in paragraph (1), as so designated—

(A) in the matter preceding subparagraph (A), as so redesignated—

(i) by inserting ''IN GENERAL.—'' before ''Before granting'' ; and

(ii) by inserting after ''approved life cycle sustainment plan'' the following: ''ap-

proved by all covered individuals for such covered system'';

(B) by amending subparagraph (G), as so redesignated, to read as follows:

''(G) an intellectual property management plan for product support, including access to technical data and computer software, as well as contract delivery requirements for the data rights;'';

(C) by inserting after subparagraph (G), as so redesignated, the following new subparagraph:

''(H) an estimate of the number of personnel needed to operate and maintain the covered system;'';

(D) in subparagraph (I), as so redesignated, by striking the period at the end and inserting ''; and'' at the end; and

(E) by inserting after subparagraph (I), as so redesignated, the following new subparagraph:

''(J) a product support business case analysis that—

''(i) addresses—

''(I) the costs, benefits, and risks to sustainment associated with the performance goals;

''(II) the engineering and design considerations;

''(III) intellectual property, including access to technical data and computer software; and

''(IV) the number of personnel needed to operate and maintain the covered system; and

''(ii) explicitly addresses—

''(I) the tradeoffs made between the factors described in clause (i); and

''(II) the associated implications of such tradeoffs for—

''(aa) design, development, production, and operating and support costs;

''(bb) operational and materiel availability;

''(cc) the mix of active and reserve components of the military, Government civilian employee, host nation support, and

contractor personnel to operate and maintain the covered system; and

''(dd) the ability of the Government to retain core logistics capability identified under section 2464 and comply with the requirements under section 2466.''; and

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

''(2) SUBSEQUENT PHASES.—Before granting approval for entry of the covered system into each subsequent phase of the acquisition after the phase described in section 4172(e)(7), the milestone decision authority shall ensure that the life cycle sustainment plan described in paragraph (1) for such covered system has been updated and again approved by all covered individuals for such covered system.

''(3) COVERED INDIVIDUALS DEFINED.—In this subsection, the term 'covered individuals' means—

''(A) a product support manager described in subsection (c);

''(B) a program manager (as defined in section 1737(a));

''(C) a program executive officer (as defined in section 1737(a)); and

''(D) an appropriate materiel, logistics, or fleet representative.''.

**SEC. 805. EXTENSION OF REQUIREMENT TO SUBMIT SELECTED ACQUISITION REPORTS.**

(a) REPEAL OF TERMINATION.—Section 4351 of title 10, United States Code, is amended by striking subsection (j).

(b) REPEAL OF TERMINATION OF CERTAIN ADDITIONAL REPORTS.—Section 1051(x) of the National Defense Authorization Act for Fiscal Year 2018 is amended by striking paragraph (4).

**SEC. 806. AMENDMENTS TO CONTRACTOR EMPLOYEE PROTECTIONS FROM REPRISAL FOR DISCLOSURE OF CERTAIN INFORMATION.**

(a) DEFENSE CONTRACTS.—

(1) ADDITION OF GRANTEES, SUBGRANTEES, AND PERSONAL SERVICES CONTRACTORS.—Section 4701 of title 10, United States Code, is amended—

(A) in subsection (a), in paragraphs (2)(G) and (3)(A), by striking ''or subcontractor'' and

inserting ‘‘, subcontractor, grantee, subgrantee, or personal services contractor’’;

(B) in subsection (a)(2), by adding at the end the following new subparagraphs:

‘‘(H) The Pandemic Response Accountability Committee (established under section 15010 of title V of division B of the CARES Act (Public Law 116–136)).

‘‘(I) The Integrity Committee of the Council of the Inspectors General on Integrity and Efficiency.’’.

(C) in subsection (b)—

(i) in paragraph (1)—

(I) by striking ‘‘contractor concerned’’ and inserting ‘‘contractor, subcontractor, grantee, subgrantee, or personal services contractor concerned’’;

(II) by inserting before the period at the end of the first sentence the following: ‘‘, or to the Special Inspector General for Pandemic Recovery or the Chair of the Pandemic Response Accountability Committee’’;

(III) by striking ''Inspector General determines'' and inserting ''Inspector General, Special Inspector General, or Chair (as applicable) determines''; and

(IV) by striking ''Inspector General shall'' and inserting ''Inspector General, Special Inspector General, or Chair (as applicable) shall'';

(ii) in paragraph (2), by striking ''Inspector General'' each place it appears and inserting ''Inspector General, Special Inspector General, or Chair (as applicable)''; and

(iii) in paragraph (3), by striking ''Inspector General'' each place it appears and inserting ''Inspector General, Special Inspector General, or Chair (as applicable)'';

(D) in subsection (c)—

(i) in the matter preceding subparagraph (A) of paragraph (1), by striking ''contractor concerned'' and inserting ''contractor, subcontractor, grantee, subgrantee, or personal services contractor concerned''; and

(ii) in paragraph (1), by inserting after ''Order the contractor'' each place it appears the following: '', subcontractor, grantee, subgrantee, or personal services contractor'';

(iii) in paragraph (2), by inserting after ''contractor'' the following: '', subcontractor, grantee, subgrantee, or personal services contractor'';

(E) in subsection (d), by striking ''and subcontractors'' and inserting '', subcontractors, grantees, subgrantees, and personal services contractors''; and

(F) in subsection (e)(2)—

(i) in the matter preceding subparagraph (A), by striking ''or grantee of'' and inserting ''grantee, subgrantee, or personal services contractor of''; and

(ii) in subparagraph (B), by striking ''or grantee'' and inserting ''grantee, or subgrantee''.

(2) ADDITIONAL AMENDMENTS.—Such section is further amended in subsection (c)(1) by adding at the end the following new subparagraph:

''(D) Consider disciplinary or corrective action against any Department or Administration official, if appropriate.''.

(b) CIVILIAN AGENCY CONTRACTS.—

(1) IN GENERAL.—Section 4712 of title 41, United States Code, is amended—

(A) in subsection (a)(2)(G), by striking ''or subgrantee'' and inserting ''subgrantee, or personal services contractor'';

(B) in subsection (a)(2), by adding at the end the following new subparagraphs:

''(H) The Pandemic Response Accountability Committee (established under section 15010 of title V of division B of the CARES Act (Public Law 116–136)).

''(I) The Integrity Committee of the Council of the Inspectors General on Integrity and Efficiency.'';

(C) in subsection (b)(1), by striking ''or subgrantee'' and inserting ''subgrantee, or personal services contractor'';

(D) in subsection (c)—

(i) in paragraph (1)—

(I) by striking ''or subgrantee'' each place it appears and inserting

''subgrantee, or personal services contractor''; and

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

''(D) Consider disciplinary or corrective action against any executive branch official, if appropriate.''; and

(ii) in paragraph (2), by striking ''or subgrantee'' and inserting ''subgrantee, or personal services contractor'';

(E) in subsection (d), by striking ''and subgrantees'' and inserting ''subgrantees, and personal services contractors'';

(F) in subsection (f)(2)—

(i) in the matter preceding subparagraph (A), by striking ''or subgrantee'' and inserting ''subgrantee, or personal services contractor''; and

(ii) in subparagraph (B), by striking ''or subgrantee'' and inserting ''subgrantee, or personal services contractor''; and

(G) by amending subsection (g)(2) to read as follows:

''(2) The term 'Inspector General' means any Inspector General established by Federal law, including—

''(A) an Inspector General appointed under the Inspector General Act of 1978 (5 U.S.C. App.);

''(B) the Special Inspector General for Pandemic Recovery;

''(C) the Special Inspector General for Afghanistan Reconstruction;

''(D) the Special Inspector General for the Troubled Asset Relief Program; and

''(E) any Inspector General that receives funding from, or has oversight over contracts awarded for or on behalf of, the executive agency concerned.''.

(2) ADDITIONAL AMENDMENTS.—

(A) IN GENERAL.—Section 4705 of title 41, United States Code, is repealed.

(B) CONFORMING AMENDMENTS.—

(i) TITLE 38.—Subchapter II of chapter 7 of title 38, United States Code, is amended—

(I) in section 731(c)(4)—

(aa) by striking ''section 4705(b) or''; and

(bb) by striking '', as the case may be''; and

(II) in section 733(a)(5), by striking ''section 4705 or''.

(ii) TITLE 49.—Section 40110(d)(2)(C) of title 49, United States Code, is amended by inserting '', as in effect immediately before the enactment of the National Defense Authorization Act for Fiscal Year 2022,'' before ''shall apply''.

**SEC. 807. 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 procurements carried out in connection with a major defense acquisition program.

(2) INFORMATION REPOSITORY.—The Secretary of Defense shall establish an information repository for the collection and analysis of information related

to domestic source content for products the Secretary deems critical, where such information can be used for continuous data analysis and program management activities.

(b) ENHANCED DOMESTIC CONTENT REQUIREMENT.—

(1) IN GENERAL.—Except as provided in paragraph (2), 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 are manufactured substantially all from articles, materials, or supplies mined, produced, or manufactured in the United States if the cost of such component articles, materials, or supplies—

(A) supplied not later than the date of the enactment of this Act, exceeds 60 percent of cost of the manufactured articles, materials, or supplies procured;

(B) supplied during the period beginning January 1, 2024, and ending December 31, 2028, exceeds 65 percent of the cost of the manufactured articles, materials, or supplies; and

(C) supplied on or after January 1, 2029, exceeds 75 percent of the cost of the manufactured articles, materials, or supplies.

(2) EXCLUSION FOR CERTAIN MANUFACTURED ARTICLES.—Paragraph (1) shall not apply to manufactured articles that consist wholly or predominantly of iron, steel, or a combination of iron and steel.

(3) RULEMAKING TO CREATE A FALLBACK THRESHOLD.—

(A) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall issue rules to determine the treatment of the lowest price offered for a foreign end product for which 55 percent or more of the component articles, materials, or supplies of such foreign end product are manufactured substantially all from articles, materials, or supplies mined, produced, or manufactured in the United States if—

(i) the application paragraph (1) results in an unreasonable cost; or

(ii) no offers are submitted to supply manufactured articles, materials, or supplies manufactured substantially all from

articles, materials, or supplies mined, produced, or manufactured in the United States.

(B) TERMINATION.—Rules issued under this paragraph shall cease to have force or effect on January 1, 2030.

(4) APPLICABILITY.—The requirements of this subsection—

(A) shall apply to contracts entered into on or after the date of the enactment of this Act; and

(B) shall not apply to a country that is a member of the national technology and industrial base (as defined by section 4801 of title 10, United States Code).

(c) MAJOR DEFENSE ACQUISITION PROGRAM DEFINED.—The term ''major defense acquisition program'' has the meaning given in section 4201 of title 10, United States Code.

**SEC. 808. MISSION-BASED RAPID ACQUISITION ACCOUNT.**

(a) ESTABLISHMENT.—There is established in the Department of Defense an account to be known as the ''Mission-Based Rapid Acquisition Account'' (in this section referred to as the ''Account'') to support the pilot program.

(b) USE OF FUNDS.—The Deputy Secretary of Defense may use the funds in the Account to carry out the pilot program.

(c) SEMIANNUAL BRIEFING.—The Deputy Secretary of Defense shall include in each briefing submitted under subsection (f)(1)(A) of section 871 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1855; 10 U.S.C. 191 note) after the date of the enactment of this Act a briefing on the use of funds in the Account, including—

(1) how the Deputy Secretary of Defense has used such funds to incent new small businesses to enter transactions for prototype projects with the Department;

(2) support the rapid transition of the solutions described in subsection (c)(2)(B) of such section 871 to warfighters; and

(3) whether additional funding flexibility is needed to scale technologies.

(d) PILOT PROGRAM DEFINED.—In this section, the term ''pilot program'' means the pilot program established under section 871 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1855; 10 U.S.C. 191 note).

# Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

**SEC. 811. MEMBERSHIP OF COAST GUARD ON STRATEGIC MATERIALS PROTECTION BOARD.**

Section 187(a)(2) of title 10, United States Code, is amended by adding at the end the following:

''(F) A senior official of the Coast Guard, as designated by the Secretary of the agency or department in which the Coast Guard operates, only with respect to matters of the Board relating to the Coast Guard.''.

**SEC. 812 . COMPTROLLER GENERAL ASSESSMENT OF ACQUISITION PROGRAMS AND EFFORTS.**

Section 3072 of title 10, United States Code, is amended—

(1) in the section heading, by striking ''**initiatives**'' and inserting ''**efforts**'';

(2) in subsection (a)—

(A) by striking ''initiatives'' and inserting ''efforts''; and

(B) by striking ''2023'' and inserting ''2026'';

(3) in subsection (b), by striking ''initiatives'' each place it appears and inserting ''efforts''; and

(4) in subsection (c)—

(A) in the subsection heading, by striking ''INITIATIVES'' and inserting ''EFFORTS''; and

(B) by striking ''initiatives'' each place it appears and inserting ''efforts''.

**SEC. 813. SUBCONTRACTING REQUIREMENTS FOR CERTAIN CONTRACTS AWARDED TO EDUCATIONAL INSTITUTIONS.**

(a) IN GENERAL.—Section 3204 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(h) SUBCONTRACTING REQUIREMENTS FOR CONTRACTS AWARDED TO EDUCATIONAL INSTITUTIONS.—

''(1) IN GENERAL.—The head of an agency shall require that a contract awarded to an educational institution pursuant to subsection (a)(3)(B) includes a requirement that the educational institution subcontract with one or more minority institutions for a total amount of not less than 2 percent of the amount awarded in the contract.

''(2) MINORITY INSTITUTION.—In this subsection, 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)) for 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) EFFECTIVE DATE.—The amendments made by subsection (a) shall—

(1) take effect on October 1, 2026; and

(2) apply with respect to contracts awarded by the Secretary of Defense on or after such date.

**SEC. 814. CLARIFICATION TO FIXED-PRICE INCENTIVE CONTRACT REFERENCES.**

(a) AUTHORITY TO ACQUIRE INNOVATIVE COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES USING GENERAL SOLICITATION COMPETITIVE PROCEDURES.—Section 3458(c)(2) of title 10, United States Code, is amended by striking ''fixed-price incentive fee contracts'' and inserting ''fixed-price incentive contracts''.

(b) CONTRACTOR INCENTIVES TO ACHIEVE SAVINGS AND IMPROVE MISSION PERFORMANCE.—Section 832 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1746 note) is

amended by striking ''fixed-price incentive fee contracts'' and inserting ''fixed-price incentive contracts''.

**SEC. 815. MODIFICATION TO INDEMNIFICATION AUTHORITY FOR RESEARCH AND DEVELOPMENT CONTRACTS.**

(a) IN GENERAL.—Section 3861 of title 10, United States Code, is amended—

(1) in subsection (a), by striking ''Secretary of the military department concerned'' and inserting ''Secretary of Defense'';

(2) in subsection (c), by striking ''Secretary'' and all that follows through ''by him,'' and inserting ''Secretary of Defense''; and

(3) in subsection (d), by striking ''Secretary concerned'' and inserting ''Secretary of Defense''.

(b) CONFORMING AMENDMENT.—Section 1684 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81; 135 Stat. 2123) is amended by inserting ''or the Secretary of Defense, as applicable,'' after ''Secretary concerned''.

(c) APPLICABILITY.—This section and the amendments made by this section shall apply to contracts entered into on or after the date of the enactment of this Act.

**SEC. 816. COMPETITION REQUIREMENTS FOR PURCHASES FROM FEDERAL PRISON INDUSTRIES.**

(a) COMPETITION REQUIREMENTS FOR PURCHASES FROM FEDERAL PRISON INDUSTRIES.—Section 3905 of title 10, United States Code, is amended by striking subsections (a) and (b) and inserting the following new sections:

''(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 competi-

tion 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 on February 1, 2023.

**SEC. 817. CLARIFICATION OF AUTHORITY OF THE DEPARTMENT OF DEFENSE TO CARRY OUT CERTAIN PROTOTYPE PROJECTS.**

Subsection (f) of section 4022 of title 10, United States Code, is amended to read as follows:

''(f) FOLLOW-ON PRODUCTION CONTRACTS OR TRANSACTIONS.—(1) A transaction entered into under this section for a prototype project shall provide for the award of a follow-on production contract or transaction to the participants in the transaction. A transaction includes all individual prototype subprojects awarded under the transaction to a consortium of United States industry and academic institutions.

''(2) A follow-on production contract or transaction provided for in a transaction under paragraph (1) may be awarded to the participants in the transaction without the use of competitive procedures, notwithstanding the requirements of chapter 221 of this title and even if explicit notification was not listed within the request for proposal for the transaction if—

''(A) competitive procedures were used for the selection of parties for participation in the transaction; and

''(B) the participants in the transaction successfully completed the prototype project provided for in the transaction.''.

**SEC. 818. REQUIREMENTS FOR THE PROCUREMENT OF CERTAIN COMPONENTS FOR CERTAIN NAVAL VESSELS AND AUXILIARY SHIPS.**

(a) REQUIREMENTS FOR THE PROCUREMENT OF CERTAIN COMPONENTS FOR NAVAL VESSELS.—Section 4864(a)(2) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

''(G) Ship shafts and propulsion system components (including reduction gears and propellers).''.

(b) REQUIREMENT THAT CERTAIN AUXILIARY SHIP COMPONENTS BE MANUFACTURED IN THE NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.—

(1) TECHNICAL AMENDMENT.—Section 4864 of title 10, United States Code, is amended by redesignating subsection (l) (relating to ''Implementation of auxiliary ship component limitation'') as subsection (k).

(2) COMPONENTS FOR AUXILIARY SHIPS.—Paragraph (3) of section 4864(a) of title 10, United States Code, is amended to read as follows:

''(3) COMPONENTS FOR AUXILIARY SHIPS.—Subject to subsection (k), the following components:

''(A) Large medium-speed diesel engines.

''(B) Propulsion system components, including reduction gears and propellers.''.

(3) IMPLEMENTATION.—Subsection (k) of section 4864 of title 10, United States Code, as redesignated by paragraph (1), is amended to read as follows:

''(k) IMPLEMENTATION OF AUXILIARY SHIP COMPONENT LIMITATION.—Subsection (a)(3) shall apply only with respect to contracts awarded by a Secretary of a military department for construction of a new class of auxiliary ship after the date of the enactment of this Act using funds available for National Defense Sealift Fund programs or Shipbuilding and Conversion, Navy.''.

**SEC. 819. MODIFICATION TO PROHIBITION ON OPERATION OR PROCUREMENT OF FOREIGN-MADE UNMANNED AIRCRAFT SYSTEMS.**

Section 848 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 4871 note) is amended—

(1) by redesignating subsections (b), (c), and (d) as subsections (c), (d), and (e), respectively;

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

''(b) PROHIBITION ON CERTAIN CONTRACTS.—The Secretary of Defense may not—

''(1) procure or obtain, or extend or renew a contract to procure or obtain any equipment, system, or service that uses any equipment or service related to unmanned aircraft systems provided by a covered unmanned aircraft system company; or

''(2) enter into a contract (or extend or renew a contract) with an entity that uses any equipment, system, or services provided by a covered unmanned aircraft system company.'';

(3) in subsection (c) (as so redesignated), by striking ''the restriction under subsection (a) if the operation or procurement'' and inserting ''any restrictions under subsections (a) or (b) if the operation, procurement, or obtainment'';

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

(A) by striking ''the restriction under subsection (a)'' and inserting ''any restrictions under subsections (a) or (b)''; and

(B) by striking ''operation or procurement'' and inserting ''operation, procurement, or obtainment''; and

(5) in subsection (e) (as so redesignated), by inserting the following new paragraph (3):

''(3) COVERED UNMANNED AIRCRAFT SYSTEM COMPANIES.—The term 'covered unmanned aircraft system companies' means any of the following:

''(A) Da-Jiang Innovations (or any subsidiary or affiliate of Da-Jiang Innovations).

''(B) Any entity that produces or provides unmanned aircraft systems and is included on Consolidated Screening List maintained by the International Trade Administration of the Department of Commerce.

''(C) Any entity that produces or provides unmanned aircraft systems and—

''(i) is domiciled in a covered foreign country; or

''(ii) is subject to unmitigated foreign ownership, control or influence by a covered foreign country, as determined by the Secretary of Defense unmitigated foreign ownership, control or influence in accordance with the National Industrial Security

Program (or any successor to such program).''.

**SEC. 820. EXTENSION OF PILOT PROGRAM TO ACCELERATE CONTRACTING AND PRICING PROCESSES.**

Section 890 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended—

(1) in subsection (a)(2), by striking ''of'' before ''chapter 271''; and

(2) in subsection (c), by striking ''January 2, 2023'' and inserting ''January 2, 2024''.

**SEC. 821. EXTENSION AND MODIFICATION OF NEVER CONTRACT WITH THE ENEMY.**

Subtitle E of title VIII of the Carl Levin and Howard P. ''Buck'' McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 4871 note prec.) is amended—

(1) in section 841—

(A) in subsection (i)(1)—

(i) in the matter preceding subparagraph (A), by striking ''2016, 2017, and 2018'' and inserting ''2023, and annually thereafter''; and

(ii) by adding at the end the following new subparagraphs:

''(C) Specific examples where the authorities under this section can not be used to mitigate national security threats posed by vendors supporting Department operations because of the restriction on using such authorities only with respect to contingency operations.

''(D) A description of the policies ensuring that oversight of the use of the authorities in this section is effectively carried out by a single office in the Office of the Under Secretary of Defense for Acquisition and Sustainment.''; and

(B) in subsection (n), by striking ''December 31, 2023'' and inserting ''December 31, 2025''; and

(2) in section 842(b)(1), by striking ''2016, 2017, and 2018'' and inserting ''2023, 2024, and 2025''.

# Subtitle C—Provisions Relating to Acquisition Workforce

## SEC. 831. KEY EXPERIENCES AND ENHANCED PAY AUTHORITY FOR ACQUISITION WORKFORCE EXCELLENCE.

(a) PARTICIPATION IN THE PUBLIC-PRIVATE TALENT EXCHANGE PROGRAM.—

(1) IN GENERAL.—Section 1701a(b) of title 10, United States Code, is amended—

(A) in paragraph (9)(C), by striking ''and'' at the end;

(B) in paragraph (10), by striking the period at the end and inserting ''; and''; and

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

''(11) ensure participation in the public-private talent exchange program established under section 1599g of this title—

''(A) for a total of 100 members of the acquisition workforce in fiscal year 2024;

''(B) for a total of 500 such members in fiscal year 2025; and

''(C) for a total of 1,000 such members in fiscal year 2026 and each fiscal year thereafter.''.

(2) TECHNICAL AMENDMENT.—Section 1701a(b)(2) of title 10, United States Code, is further amended by striking ''as defined'' and all that follows through ''this title'' and inserting ''as defined in section 3001 of this title''.

(b) ENHANCED PAY AUTHORITY FOR POSITIONS IN DEPARTMENT OF DEFENSE FIELD ACTIVITIES AND DE-

FENSE AGENCIES.—Section 1701b(e)(2) of title 10, United States Code, is amended to read as follows:

''(2) NUMBER OF POSITIONS.—The authority in subsection (a) may not be used at any one time with respect to—

''(A) more than five positions, in total, in Department of Defense Field Activities and Defense Agencies;

''(B) more than five positions in the Office of the Secretary of Defense; and

''(C) more than five positions in each military department.''.

(c) REPORT REQUIREMENTS.—

(1) REPORT ON PUBLIC-PRIVATE TALENT EXCHANGES.—Section 1599g of title 10, United States Code, is amended by adding at the end the following new subsection:

''(k) REPORT.—Each member of the acquisition workforce that participates in the program established under this section shall, upon completion of such participation, submit to the President of the Defense Acquisition University for inclusion in the report required under section 1746a(e) a description and evaluation of such participation.''.

(2) REPORT ON ACQUISITION WORKFORCE EDUCATIONAL PARTNERSHIPS.—Section 1746a(e) of title 10, United States Code, is amended by striking ''and the congressional defense committees'' and inserting '', the congressional defense committees, the Committee on Oversight and Reform of the House of Representatives, and the Committee on Homeland Security and Government Affairs of the Senate''.

**SEC. 832. DEFENSE ACQUISITION UNIVERSITY REFORMS.**

(a) IN GENERAL.—Section 1746 of title 10, United States Code, is amended—

(1) in subsection (b)—

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

''(2) The Secretary of Defense shall ensure the defense acquisition university structure includes relevant expert lecturers from extramural institutions (as defined in section 1746a(g) of this title), industry, or federally funded research and development centers to advance acquisition workforce competence regarding commercial business interests, acquisition process-related innovations, and other relevant leading practices of the private sector.'';

(B) by striking paragraph (3); and

(C) by redesignating paragraphs (4) and (5) as paragraphs (3) and (4), respectively;

(2) in subsection (c), by striking ''commercial training providers'' and inserting ''extramural institutions (as defined in section 1746a(g) of this title)''; and

(3) by adding at the end the following new subsection:

''(e) PRESIDENT APPOINTMENT.—(1) The Under Secretary of Defense for Acquisition and Sustainment shall appoint the President of the Defense Acquisition University.

''(2) When determining who to appoint under paragraph (1), the Under Secretary of Defense for Acquisition and Sustainment shall, in consultation with the Under Secretary of Defense for Research and Engineering and the service acquisition executives, consider only highly qualified candidates who have—

''(A) demonstrated leadership abilities;

''(B) experience using leading practices to develop talent in the private sector; and

''(C) other qualifying factors, including experience with and an understanding of the defense acquisition system (as defined in section 3001 of this title), an understanding of emerging technologies and the defense applications of such technologies, experience partnering with States, national associa-

tions, and academia, and experience with learning technologies.

''(3) The term of the President of the Defense Acquisition University shall be not more than five years. The preceding sentence does not apply to the President of the Defense Acquisition University serving on January 1, 2022.''.

(b) IMPLEMENTATION REPORT.—Not later than March 1, 2023, the Secretary of Defense shall submit to the congressional defense committees a plan to modify the defense acquisition university structure to comply with section 1746(b)(2) of title 10, United States Code, as amended by subsection (a). Such plan shall establish a date of not later than March 1, 2026, for such modification to be completed.

**SEC. 833. MODIFICATIONS TO DEFENSE CIVILIAN TRAINING CORPS.**

Section 2200g of title 10, United States Code, is amended—

(1) by striking ''For the purposes of'' and all that follows through ''establish and maintain'' and inserting the following: ''The Secretary of Defense, acting through the Under Secretary for Defense for Acquisition and Sustainment, shall establish and maintain'';

(2) by designating the text of such section, as amended by paragraph (1), as subsection (a); and

(3) by adding at the end the following new subsections:

''(b) PURPOSE.—The purpose of the Defense Civilian Training Corps is to target critical skills gaps necessary to achieve the objectives of each national defense strategy required by section 113(g) of this title and each national security strategy required by section 108 of the National Security Act of 1947 (50 U.S.C. 3043) by preparing students selected for the Defense Civilian Training Corps for Department of Defense careers relating to acquisition, digital technologies, critical technologies, science, engineering, finance, and other civilian occupations determined by the Secretary of Defense.

''(c) USE OF RESOURCES AND PROGRAMS.—The Under Secretary of Defense for Acquisition and Sustainment shall use the resources and programs of the acquisition research organization within a civilian college or university that is described under section 4142(a) of this title (commonly referred to as the 'Acquisition Innovation Research Center') to carry out the requirements of this chapter.

''(d) CONSULTATION.—In planning and implementing the Defense Civilian Training Corps program, the

Under Secretary of Defense for Acquisition and Sustainment shall consult with the following:

''(1) The Under Secretary of Defense for Research and Engineering, including the Director of the Defense Innovation Unit and the Strategic Engagements Director of the National Security Innovation Network.

''(2) The Chief Digital and Artificial Intelligence Officer (as established by the memorandum of the Deputy Secretary of Defense titled 'Establishment of the Chief Digital and Artificial Intelligence Officer' issued on December 8, 2021).

''(3) The Chief Information Officer of the Department of Defense.

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

''(5) The Secretaries of the military departments.

''(6) The Superintendents of the Service Academies (as defined in section 347 of this title).

''(7) The Commanding General, U.S. Army Cadet Command.

''(8) The Commander, Jeanne M. Holm Center for Officer Accessions and Citizen Development.

''(9) The Commander, Naval Service Training Command.''.

**SEC. 834. REPEAL OF CERTAIN PROVISIONS RELATING TO ACQUISITION WORKFORCE INCENTIVES.**

(a) EXCHANGE PROGRAM FOR ACQUISITION WORKFORCE EMPLOYEES.—Section 884 of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1915; 10 U.S.C. 1701 note) is repealed.

(b) PILOT PROGRAM ON TEMPORARY EXCHANGE OF FINANCIAL MANAGEMENT AND ACQUISITION PERSONNEL.—Section 1110 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 1701 note) is repealed.

(c) FLEXIBILITY IN CONTRACTING AWARD PROGRAM.—Section 834 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2285; 10 U.S.C. 1701a note) is repealed.

**SEC. 835. ACQUISITION WORKFORCE INCENTIVES RELATING TO TRAINING ON AND AGREEMENTS WITH CERTAIN SOFTWARE BUSINESSES.**

(a) TRAINING.—

(1) CURRICULA.—Not later than one year after the date of the enactment of this Act, the head of the Acquisition Innovation Research Center shall de-

velop one or more curricula for members of the acquisition workforce on financing and operations of start-up businesses, with a focus on covered start-up businesses.

(2) ELEMENTS.—Courses under curricula developed under paragraph (1) shall be offered with varying course lengths and level of study.

(3) INCENTIVES.—The Secretary of Defense shall develop a program to offer incentives to a member of the acquisition workforce that completes a curriculum developed under paragraph (1).

(4) ADDITIONAL TRAINING MATERIALS.—In developing curricula required under paragraph (1), the head of the Acquisition Innovation Research Center shall consider and incorporate appropriate training materials from curricula in business, law, or public policy.

(b) EXCHANGES.—

(1) IN GENERAL.—The Secretary of Defense shall establish a pilot program under which the Secretary shall, in accordance with section 1599g of title 10, United States Code, arrange for the temporary assignment of one or more members of the acquisition workforce to a covered start-up business,

or from a covered start-up business to an office of the Department of Defense.

(2) PRIORITY.—The Secretary shall prioritize for participation in the pilot program established under this subsection members of the acquisition workforce who have completed a curricula required under paragraph (1).

(3) TERMINATION.—The Secretary may not carry out the pilot program authorized by this subsection after the date that is three years after the date of the enactment of this Act.

(c) CONFERENCES.—

(1) IN GENERAL.—The Secretary of Defense shall organize a conference, to take place not less frequently than biannually, to facilitate discussion between participants listed in subsection (b) on the following:

(A) Best practices relating to acquisition of software.

(B) Methods of effective collaboration between such participants.

(2) PARTICIPANTS.—Participants in a conference organized under paragraph (1) may include the following:

(A) Members of the acquisition workforce.

(B) Employees of and investors in covered start-up businesses.

(d) PILOT PROGRAM.—

(1) ESTABLISHMENT.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall establish a pilot program to test the feasibility of unique approaches to negotiating and establishing software data rights in agreements for the procurement of software.

(2) AUTHORITY.—To the maximum extent practicable, the Secretary shall—

(A) ensure that a member of the acquisition workforce who has completed a curricula required under subsection (a) is able to exercise authority to apply an approach described in paragraph (1); and

(B) provide incentives to such member to exercise such authority.

(3) ELEMENTS.—An agreement described in paragraph (1) shall include the following:

(A) Flexible requirements relating to the acquisition or licensing of intellectual property based on the software to be acquired under the agreement.

(B) An identification and definition of the technical interoperability standards required for such software.

(C) Flexible mechanisms for delivery of code for such software, where each such mechanism includes documentation of the costs and benefits of such mechanism.

(4) PARAMETERS.—The United States shall seek to avoid asserting unlimited rights or government purpose rights to software acquired under an agreement entered into pursuant to the pilot program established under this section.

(5) TERMINATION.—The Secretary may not carry out the pilot program authorized by this subsection after the date that is 5 years after the date of the enactment of this Act.

(e) DEFINITIONS.—In this section:

(1) The term ''Acquisition Innovation Research Center'' means the acquisition research organization within a civilian college or university that is described under section 4142(a) of title 10, United States Code.

(2) The term ''acquisition workforce'' has the meaning given in section 101 of title 10, United States Code.

(3) The term ''covered start-up businesses'' means a start-up business that is a party to, or is seeking to enter into, an agreement with the Department of Defense, the products and services of which include software as a substantial component of the offer for such agreement.

(4) The term ''start-up business'' means a business that is not publicly traded and that has not been acquired by a prime contractor.

# Subtitle D—Provisions Relating to Software and Technology

**SEC. 841. PRIZES FOR ADVANCED TECHNOLOGY ACHIEVEMENTS.**

Section 4025 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking ''that have'' and inserting ''that—''

''(1) have'';

(B) by striking ''Defense.'' and inserting ''Defense; or''; and

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

''(2) demonstrate management practices that improve the schedule or performance, reduce the

costs, or otherwise support the transition of technology into acquisition programs or operational use.'';

(2) in subsection (b), by striking ''of research results, technology developments, and prototypes'';

(3) in subsection (d), by striking ''to acquire, support, or stimulate basic, advanced and applied research, technology development, or prototype projects'';

(4) in subsection (f), by striking ''section 2304'' and inserting ''chapter 221''; and

(5) in subsection (g)(2)—

(A) by redesignating subparagraphs (B) and (C) as subparagraphs (D) and (E), respectively; and

(B) by inserting after subparagraph (A) the following new subparagraphs:

''(B) if applicable, a summary of the management practice that contributed to an improvement to schedule or performance or a reduction in cost relating to the transition of technology;

''(C) an identification of any program executive officer (as defined in section 1737 of this title) responsible for implementation or over-

sight of research results, technology development, prototype development, or management practices (as applicable) for which an award was made under this section, and a brief summary of lessons learned by such program executive officer in carrying out such implementation or oversight;''.

**SEC. 842. CONGRESSIONAL NOTIFICATION FOR PILOT PROGRAM TO ACCELERATE THE PROCUREMENT AND FIELDING OF INNOVATIVE TECHNOLOGIES.**

Section 834 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1835; 10 U.S.C. 4061 note) is amended—

(1) by redesignating subsection (f) as subsection (g); and

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

''(f) CONGRESSIONAL NOTIFICATION.—The Secretary of Defense shall notify congressional defense committees within 30 days after funding has been provided for a proposal selected for an award under the pilot program established under this section.''.

**SEC. 843. CURRICULA ON SOFTWARE ACQUISITIONS AND CYBERSECURITY SOFTWARE OR HARDWARE ACQUISITIONS FOR COVERED INDIVIDUALS.**

(a) CURRICULA.—The President of the Defense Acquisition University, shall develop training curricula related to software acquisitions and cybersecurity software or hardware acquisitions and offer such curricula to covered individuals to increase digital literacy related to such acquisitions by developing the ability of such covered individuals to use technology to identify, critically evaluate, and synthesize data and information related to such acquisitions.

(b) ELEMENTS.—Curricula developed pursuant to subsection (a) shall provide information on—

(1) cybersecurity, information technology systems, computer networks, cloud computing, artificial intelligence, machine learning, and quantum technologies;

(2) cybersecurity threats and capabilities;

(3) operational efforts of United States Cyber Command to combat cyber threats;

(4) mission requirements and current capabilites and systems of United States Cyber Command;

(5) activities that encompass the full range of threat reduction, vulnerability reduction, deterrence,

incident response, resiliency, and recovery policies and activities, including activities relating to computer network operations, information assurance, military missions, and intelligence missions to the extent such activities relate to the security and stability of cyberspace; and

(6) the industry best practices relating to software acquisitions and cybersecurity software or hardware acquisitions.

(c) PLAN.—Not later than 180 days after enactment of this Act, the Secretary of Defense, in consultation with the President of the Defense Acquisition University, shall submit to Congress a comprehensive plan to implement the curricula developed under subsection (a). Such plan shall include a list of resources required for and costs associated with such implementation, including—

(1) curriculum development;

(2) hiring instructors to teach the curriculum;

(3) facilities; or

(4) website development.

(d) IMPLEMENTATION.—Not later than one year after the date on which the plan described in subsection (d) is submitted to Congress, the President of the Defense Acquisition University shall offer the curricula developed under subsection (a) to covered individuals.

(e) REPORT.—Not later than one year after the date on which the plan described in subsection (d) is submitted to Congress, Secretary of Defense, in consultation with the President of the Defense Acquisition University, shall submit to Congress a report assessing the costs and benefits of requiring all covered individuals to complete the curricula developed under subsection (a).

(f) COVERED INDIVIDUALS DEFINED.—In this section, the term ''covered individuals'' means—

(1) a contracting officer of the Department of Defense with responsibilities are related to software acquisitions or cybersecurity software or hardware acquisitions; or

(2) a individual serving in a position designated under section 1721(b) of title 10, United States Code, who is regularly consulted for software acquisitions or cybersecurity software or hardware acquisitions.

**SEC. 844. REPORT ON COVERED SOFTWARE DEVELOPMENT.**

(a) REPORT.—Not later than one year after the date of the enactment of this Act, and annually thereafter through December 31, 2028, the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Chief Information Officer of the Department of

Defense and the Chief Digital and Artificial Intelligence Officer, shall submit to the congressional defense committees a report on the following:

(1) A description of covered software delivered during the fiscal year preceding the date of the report that is being developed using iterative development, including a description of the capabilities delivered for operational use.

(2) For such covered software not developed using iterative development, an explanation for not using iterative development and a description of the development method used.

(3) For each such covered software being developed using iterative development, the frequency with which capabilities of such covered software were delivered, disaggregated as follows:

(A) Covered software for which capabilities were delivered during period of less than three months.

(B) Covered software for which capabilities were delivered during period of more than three months and less than six months.

(C) Covered software for which capabilities were delivered during period of more than six months and less than nine months.

(D) Covered software for which capabilities were delivered during period of more than nine months and less than 12 months.

(4) With respect to covered software described in paragraph (2) for which capabilities of such covered software were not delivered in fewer than 12 months, an explanation of why such delivery was not possible.

(b) DEFINITIONS.—In this section:

(1) The term ''Chief Digital and Artificial Intelligence Officer'' means—

(A) the official designated as the Chief Digital and Artificial Intelligence Officer of the Department of Defense pursuant to the memorandum of the Secretary of Defense titled ''Establishment of the Chief Digital and Artificial Intelligence Officer'' dated December 8, 2021; or

(B) if there is no official designated as such Officer, the official within the Office of the Secretary of Defense with primary responsibility for digital and artificial intelligence matters.

(2) The term ''covered software'' means software that is being developed that—

(A) was acquired using a software acquisition pathway established under section 800 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92);

(B) is a covered defense business system, as defined in section 2222(i) of title 10, United States Code;

(C) is a major defense acquisition program, as defined in section 4201 of such title; or

(D) is a major system, as defined in section 3041 of such title.

(3) The term ''iterative development'' has the meaning given the term ''agile or iterative development'' in section 891 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1509; 10 U.S.C. 1746 note).

# Subtitle E—Industrial Base Matters

### SEC. 851. RECOGNITION OF AN ASSOCIATION OF ELIGIBLE ENTITIES THAT PROVIDE PROCUREMENT TECHNICAL ASSISTANCE.

(a) REGULATIONS.—Section 4953 of title 10, United States Code, is amended by inserting '', and shall consult with an association recognized under section 4954(f) re-

garding any revisions to such regulations'' before the period at the end.

(b) COOPERATIVE AGREEMENTS.—Section 4954 of title 10, United States Code, is amended by adding at the end the following new subsections:

''(f) ASSOCIATION RECOGNITION AND DUTIES.—Eligible entities that provide procurement technical assistance pursuant to this chapter may form an association to pursue matters of common concern. If more than a majority of such eligible entities are members of such an association, the Secretary shall—

''(1) recognize the existence and activities of such an association; and

''(2) jointly develop with such association a model cooperative agreement that may be used at the option of the Secretary and an eligible entity.''.

(c) FUNDING.—Section 4955(a)(1) of title 10, United States Code, is amended by striking ''$1,000,000'' and inserting ''$1,500,000''.

(d) ADMINISTRATIVE AND OTHER LOGISTICAL COSTS.—Section 4961 of title 10, United States Code, is amended—

(1) in the matter preceding paragraph (1), by striking ''Director of the Defense Logistics Agency'' and inserting ''Secretary'';

(2) in paragraph (1), by striking ''three'' and inserting ''four''; and

(3) in paragraph (2)—

(A) in the matter preceding subparagraph (A)—

(i) by striking ''Director'' and inserting ''Secretary''; and

(ii) by striking ''entities —'' and inserting ''entities—''; and

(B) in subparagraph (A), by inserting '', including meetings of an association recognized under section 4954(f),'' after ''meetings''.

**SEC. 852. UPDATE TO PLAN ON REDUCTION OF RELIANCE ON SERVICES, SUPPLIES, OR MATERIALS FROM COVERED COUNTRIES.**

Section 847 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1843; 10 U.S.C. 4811 note) is amended—

(1) in subsection (b), by adding at the end the following: ''The report shall—

''(1) identify the services, supplies, or materials described in subsection (a) that are necessary to meet critical defense requirements in the event of a crisis or conflict;

''(2) assess the priority of such services, supplies, and materials; and

''(3) provide options for reducing the reliance of the United States on services, supplies, or materials obtained from sources located in geographic areas controlled by covered countries.'';

(2) by redesignating subsection (c) as subsection (e); and

(3) by inserting after subsection (b) the following new subsections:

''(c) BIENNIAL REVIEW.—

''(1) IN GENERAL.—Not later than two years after the date on which the Secretary of Defense submits the report under subsection (b), and every two years thereafter, the Secretary shall review and update the plan required under subsection (a) to ensure that the plan continues to accomplish the goals described in such subsection.

''(2) REPORT.—

''(A) IN GENERAL.—Not later than 90 days after the Secretary of Defense completes a review under paragraph (1), the Secretary shall submit to the congressional defense committees a report on such review, including—

''(i) a description of the steps taken to implement the plan required under subsection (a);

''(ii) a description of, and explanation for, any updates made to such plan under paragraph (1); and

''(iii) an updated assessment of the priority of the services, supplies, or materials described in subsection (a) that are necessary to meet critical defense requirements in the event of a crisis or conflict.

''(B) SUNSET.—This paragraph shall terminate on the date that is six years after the date on which the Secretary submits the first report required under subparagraph (A).

''(d) REPORT FORM.—The reports required under subsection (b) and (c)(2) shall be submitted in an unclassified form, but may contain a classified annex.''.

**SEC. 853. MODIFICATION TO PROHIBITION ON CERTAIN PROCUREMENTS FROM THE XINJIANG UYGHUR AUTONOMOUS REGION.**

Section 848(a) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 4651 note prec.; 135 Stat. 1843) is amended by striking ''for fiscal year 2022''.

**SEC. 854. CODIFICATION OF THE DEPARTMENT OF DEFENSE MENTOR–PROTEGE PROGRAM.**

(a) IN GENERAL.—Section 831 of the National Defense Authorization Act for Fiscal Year 1991 (10 U.S.C. 4901 note prec.) is transferred to subchapter I of chapter 387 of title 10, United States Code, inserted after section 4901, and redesignated as section 4902.

(b) AMENDMENTS.—Section 4902 of title 10, United States Code, as so transferred and redesignated, is amended—

(1) in the heading, by striking ''**MENTOR-PROTEGE PILOT**'' and inserting ''**DEPARTMENT OF DEFENSE MENTOR-PROTEGE**'';

(2) in subsections (a) and (c), by striking the term ''pilot'' each place it appears;

(3) in subsection (d)(1)(B)(iii)—

(A) in subclause (I), by striking ''$100,000,000'' and inserting ''$25,000,000''; and

(B) in subclause (II), by striking ''subsection (k)'' and inserting ''subsection (j)'';

(4) in subsection (e)(2), by striking ''two years'' each place it appears and inserting ''three years'';

(5) in subsection (f)(1)(B), by inserting ''manufacturing, test and evaluation,'' after ''inventory control,'';

(6) in subsection (g)(3)(C), by striking ''subsection (k)'' and inserting ''subsection (j)'';

(7) by striking subsection (j);

(8) by redesignating subsections (k) through (n) as subsections (j) through (m), respectively;

(9) in subsection (j), as so redesignated—

(A) by striking the term ''pilot'' each place it appears;

(B) by striking ''by which mentor firms'' and inserting ''by which the parties''; and

(C) by striking ''The Secretary shall publish'' and all that follows through ''270 days after the date of the enactment of this Act.'';

(10) in subsection (l), as so redesignated, by striking ''subsection (l)'' and inserting ''subsection (k)'';

(11) by amending subsection (m), as so redesignated, to read as follows:

''(m) TRANSITION REPORT.—Not later than July 1, 2023, the Secretary of Defense shall submit to the congressional defense committees a report on the implementation of the amendments to the Mentor-Protege Program made in the National Defense Authorization Act for Fiscal Year 2023, including the efforts made to establish performance goals and outcome-based metrics and an evalua-

tion of whether the Mentor-Protege Program is achieving such performance goals and outcome-based metrics.''; and

(12) by inserting after subsection (m), as so redesignated, the following new subsection:

''(n) PROTEGE TECHNICAL REIMBURSEMENT PILOT PROGRAM.—

''(1) IN GENERAL.—Not later than July 1, 2023, the Director of the Office of Small Business Programs of the Department of Defense shall establish a pilot program under which a protege firm may receive up to 25 percent of the reimbursement for which the mentor firm of such protege firm is eligible under the Mentor-Protege Program for engineering, software development, or manufacturing customization that the protege firm must perform for a technology solution of the protege firm to be ready for integration with programs or systems of the Department of Defense.

''(2) TERMINATION.—The pilot program established under paragraph (1) shall terminate on the date that is five years after the date on which the pilot program is established.''.

(c) CLERICAL AMENDMENT.—The table of sections for subchapter I of chapter 387 of title 10, United States

Code, is amended by adding at the end the following new item:

"4902. Department of Defense Mentor–Protege Program.".

(d) CONFORMING AMENDMENT.—

(1) BUY INDIAN ACT.—Section 23(a)(2) of the Act of June 25, 1910 (commonly known as the "Buy Indian Act") (36 Stat. 861, 25 U.S.C. 47(a)(2)) is amended by striking "section 831(c) of the National Defense Authorization Act for Fiscal Year 1991 (10 U.S.C. 2302 note; Public Law 101–510)" and inserting "section 4902(c) of title 10, United States Code".

(2) SMALL BUSINESS ACT.—Section 8(d)(12) of the Small Business Act (15 U.S.C. 637(d)(12)) is amended—

(A) by striking "the pilot Mentor-Protege Program established pursuant to section 831 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2301 note)" and inserting "the Mentor-Protege Program established under section 4902 of title 10, United States Code,"; and

(B) by striking "subsection (g)" and inserting "subsection (f)".

(e) REGULATIONS.—Not later than December 31, 2023, the Secretary of Defense shall issue regulations for

carrying out section 4902 of title 10, United States Code, as amended by this section.

(f) AGREEMENTS UNDER PILOT PROGRAM.—The amendments made by this section shall not apply with respect to any agreement entered into under the program as established under section 831 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 104 Stat. 1607) prior to the date of the enactment of this Act.

**SEC. 855. MICROLOAN PROGRAM; DEFINITIONS.**

Paragraph (11) of section 7(m) of the Small Business Act (15 U.S.C. 636(m)(11)) is amended—

(1) in clause (ii) of subparagraph (C), by striking ''rural'' and all that follows to the end of the clause and inserting ''rural;'';

(2) in subparagraph (D), by striking the period at the end and inserting ''; and''; and

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

''(E) the term 'State' means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands of the United States, Guam, the Commonwealth of the Northern Mariana Islands, and American Samoa.''.

**SEC. 856. SMALL BUSINESS INNOVATION PROGRAM EXTENSION.**

Section 9 of the Small Business Act (15 U.S.C. 638) is amended by striking ''2022'' each place it appears and inserting ''2024''.

**SEC. 857. PROHIBITION ON COVERED AIRPORT CONTRACTS WITH CERTAIN ENTITIES.**

(a) IN GENERAL.—The Secretary of Defense may not award a contract for the procurement of infrastructure or equipment for a passenger boarding bridge at a covered airport to a covered contractor.

(b) DEFINITIONS.—In this section:

(1) The term ''covered airport'' means a military airport designated by the Secretary of Transportation under section 47118(a) of title 49, United States Code.

(2) The term ''covered contractor'' means a contractor of the Department of Defense—

(A) that—

(i) is owned, directed, or subsidized by the People's Republic of China; and

(ii) has been determined by a Federal court to have misappropriated intellectual property or trade secrets from an entity organized under the laws of the United

States or any jurisdiction within the United States; and

(B) that—

(i) owns or controls, is owned or controlled by, is under common ownership or control with, or is a successor to an entity described in subparagraph (A); or

(ii) has entered into an agreement, partnership, or other contractual arrangement with such an entity; or

(iii) has accepted funding (regardless of whether such funding is in the form of minority investment interest or debt) from such an entity.

**SEC. 858. RISK MANAGEMENT FOR DEPARTMENT OF DEFENSE SUPPLY CHAINS.**

(a) RISK MANAGEMENT FOR ALL DEPARTMENT OF DEFENSE SUPPLY CHAINS.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment shall—

(1) develop and issue implementing guidance for risk management for Department of Defense supply chains for materiel for the Department, including pharmaceuticals;

(2) identify, in coordination with the Commissioner of Food and Drugs, supply chain information gaps regarding reliance on foreign suppliers of drugs, including active pharmaceutical ingredients and final drug products; and

(3) submit to Congress a report regarding—

(A) existing information streams, if any, that may be used to assess the reliance by the Department of Defense on high-risk foreign suppliers of drugs;

(B) vulnerabilities in the drug supply chains of the Department of Defense; and

(C) any recommendations to address—

(i) information gaps identified under paragraph (2); and

(ii) any risks related to such reliance on foreign suppliers.

(b) RISK MANAGEMENT FOR DEPARTMENT OF DEFENSE PHARMACEUTICAL SUPPLY CHAIN.—The Director of the Defense Health Agency shall—

(1) not later than one year after the issuance of the guidance required by subsection (a)(1), develop and publish implementing guidance for risk management for the Department of Defense supply chain for pharmaceuticals; and

(2) establish a working group—

(A) to assess risks to the pharmaceutical supply chain;

(B) to identify the pharmaceuticals most critical to beneficiary care at military treatment facilities; and

(C) to establish policies for allocating scarce pharmaceutical resources in case of a supply disruption.

(c) RESPONSIVENESS TESTING OF DEFENSE LOGISTICS AGENCY PHARMACEUTICAL CONTRACTS.—The Director of the Defense Logistics Agency shall modify Defense Logistics Agency Instructions 5025.03 and 3110.01—

(1) to require Defense Logistics Agency Troop Support to coordinate annually with customers in the military departments to conduct responsiveness testing of the Defense Logistics Agency's contingency contracts for pharmaceuticals; and

(2) to include the results of that testing, as reported by customers in the military departments, in the annual reports of the Warstopper Program.

# Subtitle F—Other Matters

**SEC. 861. TECHNICAL CORRECTION TO EFFECTIVE DATE OF THE TRANSFER OF CERTAIN TITLE 10 ACQUISITION PROVISIONS.**

(a) IN GENERAL.—The amendments made by section 1701(e) and paragraphs (1) and (2) of section 802(b) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) shall be deemed to have taken effect immediately before the amendments made by section 1881 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 4293).

(b) TREATMENT OF SECTION 4027 REQUIREMENTS.—An individual or entity to which the requirements under section 4027 of title 10, United States Code, were applicable during the period beginning on January 1, 2022, and ending on the date of the enactment of this Act pursuant to subsection (a) shall be deemed to have complied with such requirements during such period.

**SEC. 862. REGULATIONS ON USE OF FIXED-PRICE TYPE CONTRACTS FOR MAJOR DEFENSE ACQUISITION PROGRAMS.**

(a) MODIFICATION OF REGULATIONS.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Department of

Defense Supplement to the Federal Acquisition Regulation and any regulations issued pursuant to section 818 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2329) regarding the use of fixed-price type contracts for a major defense acquisition program.

(b) ELEMENTS.—The revisions described in subsection (a) shall require the following:

(1) That the number of low-rate initial production lots associated with a major defense acquisition program may not be more than one if—

(A) the milestone decision authority authorizes the use of a fixed-price type contract at the time of a decision on Milestone B approval; and

(B) the scope of work of the fixed-price type contract includes both the development and low-rate initial production of items for such major defense acquisition program.

(2) The limitation in paragraph (1) may be waived on a case-by-case basis by the applicable service acquisition executive. This waiver authority may not be delegated below the level of service acquisition executive.

(c) DEFINITIONS.—In this section:

(1) The term ''low-rate initial production'' has the meaning given under section 4231 of title 10, United States Code.

(2) The term ''milestone decision authority'' has the meaning given in section 4211 of title 10, United States Code.

(3) The term ''major defense acquisition program'' has the meaning given in section 4201 of title 10, United States Code.

(4) The term ''Milestone B approval'' has the meaning given in section 4172(e) of title 10, United States Code.

**SEC. 863. NOTIFICATION ON RETENTION RATE POLICY.**

(a) NOTICE AND WAIT.—A determination of the Secretary of the Navy that a contract for non-nuclear surface ship repair and maintenance made to a private entity requires the Secretary of the Navy to retain more than 1 percent of the overall contract value may only be carried out after the end of a 30-day period beginning on the date on which the congressional defense committees receive the notification from the Secretary of the Navy under subsection (b).

(b) CONTENTS.—The notification described in subsection (a) shall include the following:

(1) A description of the rationale for making such determination.

(2) A description of the potential impact on the defense industrial base because of such determination.

(3) A description of how the Navy plans to use, to a greater extent, the flexibility on retention rates pursuant to chapter 277 of title 10, United States Code.

(c) TERMINATION.—This section and the requirements of this section shall terminate on the later of—

(1) the date on which the National Defense Authorization Act for Fiscal Year 2024 is enacted; or

(2) September 30, 2023.

**SEC. 864. SECURITY CLEARANCE BRIDGE PILOT PROGRAM.**

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Director of National Intelligence, shall conduct a pilot program to enable employees of innovative technology companies to begin work under contracts more quickly by allowing the Defense Counterintelligence and Security Agency to administer the personal security clearances of the employees of innovative technology companies while the Government completes the adjudication of the facility clearance application of the innovative technology company.

(b) PERSONAL SECURITY CLEARANCE AUTHORITY.—

(1) IN GENERAL.—Under the pilot program, the Defense Counterintelligence and Security Agency may nominate and administer the personal security clearances of the employees of an innovative technology company while the Government completes the adjudication of the facility clearance application of the innovative technology company if the innovative technology company is a contractor of the Department of Defense under a contract the performance of which requires that the innovative technology company have access to classified information.

(2) LIMITATION.—Under the pilot program, the Defense Counterintelligence and Security Agency may administer the personal security clearances of employees of not more than—

(A) 25 innovative technology companies in Fiscal Year 2023;

(B) 50 innovative technology companies in Fiscal Year 2024;

(C) 75 innovative technology companies in Fiscal Year 2025;

(D) 100 innovative technology companies in Fiscal Year 2026; and

(E) 125 innovative technology companies in Fiscal Year 2027.

(c) CLEARANCE TRANSFER.—

(1) IN GENERAL.—Not later than 30 days after an innovative technology company is granted facility clearance, the Defense Counterintelligence and Security Agency shall transfer any personal clearances of employees of the innovative technology company held by the Defense Counterintelligence and Security Agency under the pilot program back to the innovative technology company.

(2) DENIAL OF FACILITY CLEARANCE.—Not later than 10 days after an innovative technology company is denied facility clearance, the Defense Counterintelligence and Security Agency shall release any personal clearances of employees of the innovative technology company held by the Defense Counterintelligence and Security Agency under the pilot program.

(d) REPORT.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, and annually thereafter, the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Intelligence and Security shall

jointly submit to the congressional defense committees, the Permanent Select Committee on Intelligence of the House of Representatives, and the Select Committee on Intelligence of the Senate a report on the progress of the pilot program.

(2) CONTENTS.—Each report required under paragraph (1) shall include—

(A) an assessment of—

(i) the extent to which the authority under the pilot program has been used; and

(ii) the usefulness of such authority;

(B) the number of innovative technology companies for which the Defense Counterintelligence and Security Agency administered a personal security clearance of an employee under the pilot program;

(C) the number of programs of the Department of Defense affected by the pilot program;

(D) an analysis of the demand for additional innovative technology companies to participate in the pilot program, including who may have been excluded from the program due to the limitation in subsection (b)(2);

(E) the length of time required for the facility clearance adjudication of each innovative technology company for which the Defense Counterintelligence and Security Agency administered a personal security clearance of an employee under the pilot program;

(F) an estimate of the time saved on each contract with respect to which the authority under the pilot program is exercised by enabling employees of innovative technology companies to begin work before the Government completes the adjudication of the facility clearance application of the innovative technology company;

(G) an assessment of any foreign intelligence threats posed by the pilot program;

(H) an assessment of the administrative costs and benefits of the pilot program; and

(I) such other information that the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Intelligence and Security jointly determine appropriate.

(e) PARTICIPANT SELECTION.—The Defense Innovation Unit shall select innovative technology companies to participate in the pilot program.

(f) SUNSET.—The pilot program shall terminate on December 31, 2028.

(g) DEFINITIONS.—In this section:

(1) FACILITY CLEARANCE.—The term ''facility clearance'' has the meaning given the term ''Facility Clearance'' in section 95.5 of title 10, Code of Federal Regulations, or any successor regulation.

(2) INNOVATIVE TECHNOLOGY COMPANY.—The term ''innovative technology company'' means a company that—

(A) provides goods or services related to—

(i) one or more of the fourteen critical technology areas described in the memorandum by the Under Secretary of Defense for Research and Engineering issued on February 1, 2022, entitled ''USD(R&E) Technology Vision for an Era of Competition''; or

(ii) information technology, software, or hardware that is unavailable from any other entity that possesses a facility clearance; and

(B) is selected by the Defense Innovation Unit under subsection (e) to participate in the pilot program.

(3) PERSONAL SECURITY CLEARANCE.—The term ''personal security clearance'' means the security clearance of an individual who has received approval from the Department of Defense to access classified information.

(4) PILOT PROGRAM.—The term ''pilot program'' means the pilot program established under subsection (a).

**SEC. 865. DEPARTMENT OF DEFENSE NATIONAL IMPERATIVE FOR INDUSTRIAL SKILLS PROGRAM.**

(a) IN GENERAL.—The Secretary of Defense, acting through the Industrial Base Analysis and Sustainment program of the Department of Defense, shall evaluate and further develop workforce development training programs as defined by the Secretary of Defense for training the skilled industrial workers defined by the Secretary of Defense and needed in the defense industrial base through the National Imperative for Industrial Skills Program of the Department of Defense (or a successor program).

(b) PRIORITIES.—In carrying out the program, the Secretary shall prioritize workforce development training programs that—

(1) are innovative, lab-based, or experientially-based;

(2) rapidly train skilled industrial workers for employment with entities in the defense industrial base faster than traditional classroom-based workforce development training programs and at the scale needed to measurably reduce, as rapidly as possible, the shortages of skilled industrial workers in the defense industrial base; and

(3) address the specific manufacturing requirements and skills that are unique to critical industrial sectors of the defense industrial base as defined by the Secretary of Defense, such as naval shipbuilding.

**SEC. 866. TEMPORARY SUSPENSION OF COVID–19 VACCINE MANDATE FOR DEPARTMENT OF DEFENSE CONTRACTORS.**

(a) INDEPENDENT REPORT.—The Comptroller General of the United States shall—

(1) conduct a study on the predicted effects of the requirement for contractors of the Department of Defense to receive a COVID–19 vaccine on the performance of such a contractor on a contract; and

(2) submit to the congressional defense committees a report containing the results of such study.

(b) TEMPORARY SUSPENSION.—The Secretary of Defense may not implement a requirement for contractors of the Department of Defense to receive a COVID–19 vac-

cine until such time as the Comptroller General submits to the congressional defense committees the report under subsection (a).

# TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

## Subtitle A—Office of the Secretary of Defense and Related Matters

### SEC. 901. INCREASE IN AUTHORIZED NUMBER OF ASSISTANT AND DEPUTY ASSISTANT SECRETARIES OF DEFENSE.

(a) INCREASE IN AUTHORIZED NUMBER OF ASSISTANT SECRETARIES OF DEFENSE.—

(1) INCREASE.—Section 138(a)(1) of title 10, United States Code, is amended by striking ''15'' and inserting ''18''.

(2) CONFORMING AMENDMENT.—Section 5315 of title 5, United States Code, is amended by striking ''(14)'' after ''Assistant Secretaries of Defense'' and inserting ''(18)''.

(b) INCREASE IN AUTHORIZED NUMBER OF DEPUTY ASSISTANT SECRETARIES OF DEFENSE.—

(1) INCREASE.—Section 138 of such title is amended by adding at the end the following new subsection:

''(e) The maximum number of Deputy Assistant Secretaries of Defense is 57.''.

(2) CONFORMING REPEAL.—Section 908 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 138 note) is repealed.

**SEC. 902. RESPONSIBILITIES OF ASSISTANT SECRETARY OF DEFENSE FOR SPECIAL OPERATIONS AND LOW INTENSITY CONFLICT.**

Section 138(b)(2)(A) of title 10, United States Code, is amended by inserting ''(including explosive ordnance disposal)'' after ''low intensity conflict activities''.

# Subtitle B—Other Department of Defense Organization and Management Matters

**SEC. 911. ELIGIBILITY OF CHIEF OF THE NATIONAL GUARD BUREAU FOR APPOINTMENT AS CHAIRMAN OF THE JOINT CHIEFS OF STAFF.**

Section 152(b)(1)(B) of title 10, United States Code, is amended by striking ''the Commandant of the Marine Corps, or the Chief of Space Operations'' and inserting ''the Commandant of the Marine Corps, the Chief of Space Operations, or the Chief of the National Guard Bureau''.

**SEC. 912. CLARIFICATION OF PEACETIME FUNCTIONS OF THE NAVY.**

Section 8062(a) of title 10, United States Code, is amended—

(1) in the second sentence, by striking ''primarily'' and inserting ''for the peacetime promotion of the national security interests and prosperity of the United States and''; and

(2) in the third sentence, by striking ''for the effective prosecution of war'' and inserting ''for the duties described in the preceding sentence''.

**SEC. 913. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PROGRAM.**

Section 2284(b) of title 10, United States Code, is amended—

(1) in paragraph (1)—

(A) in subparagraph (A), by striking ''and'' after the semicolon;

(B) in subparagraph (B), by striking ''the Department of Defense'' and all that follows and inserting ''the Program;'';

(C) by adding at the end the following new subparagraphs:

''(C) direct the executive agent to designate a joint program executive officer for the Program; and

''(D) assign the Director of the Defense Threat Reduction Agency to manage the Defense-wide program element funding for the Program.''.

(2) by striking paragraph (4);

(3) by redesignating paragraph (5) as paragraph (4);

(4) in paragraph (4), as so redesignated, by striking the period at the end and inserting a semicolon; and

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

''(5) the Secretary of the Navy shall designate a Navy explosive ordnance disposal-qualified admiral officer to serve as the co-chair of the Program; and

''(6) the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict shall designate the Deputy Assistant Secretary of Defense for Special Operations and Combating Terrorism as the co-chair of the Program.''.

**SEC. 914. MODIFICATION OF REPORT REGARDING THE DESIGNATION OF THE EXPLOSIVE ORDNANCE DISPOSAL CORPS AS A BASIC BRANCH OF THE ARMY.**

Section 582(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 3063 note) is amended—

(1) in subparagraph (F), by inserting ''National Guard Bureau,'' before ''Army Forces Command''; and

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

''(H) The Secretary of the Army has designated an Assistant Secretary of the Army as the key individual responsible for developing and overseeing policy, plans, programs, and budgets, and issuing guidance and providing direction on the explosive ordnance disposal activities of the Army.''.

**SEC. 915. CLARIFICATION OF ROLES AND RESPONSIBILITIES FOR FORCE MODERNIZATION EFFORTS OF THE ARMY.**

(a) PLAN REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a plan

that comprehensively defines the roles and responsibilities of officials and organizations of the Army with respect to the force modernization efforts of the Army.

(b) ELEMENTS.—The plan under subsection (a) shall—

(1) identify the official within the Army who shall have primary responsibility for the force modernization efforts of the Army, and specify the roles, responsibilities, and authorities of that official;

(2) clearly define the roles, responsibilities, and authorities of the Army Futures Command and the Assistant Secretary of the Army for Acquisition, Logistics, and Technology with respect to such efforts;

(3) clarify the roles, responsibilities, and authorities of officials and organizations of the Army with respect to acquisition in support of such efforts; and

(4) include such other information as the Secretary of the Army determines appropriate.

(c) ROLE OF ARMY FUTURES COMMAND.—In the event the Secretary of the Army does not submit the plan required under subsection (a) by the expiration of the 180 day period specified in such subsection, then beginning at the expiration of such period—

(1) the Commanding General of the Army Futures Command shall have the roles, responsibilities, and authorities assigned to the Commanding General pursuant to Army Directive 2020–15 (''Achieving Persistent Modernization'') as in effect on November 16, 2020; and

(2) any provision of Army Directive 2022–07 (''Army Modernization Roles and Responsibilities''), or any successor directive, that modifies or contravenes a provision of the directive specified in paragraph (1) shall have no force or effect.

**SEC. 916. REPORT ON POTENTIAL TRANSITION OF ALL MEMBERS OF SPACE FORCE INTO A SINGLE COMPONENT.**

(a) REPORT REQUIRED.—Not later than March 1, 2023, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the proposal of the Air Force to transition the Space Force into a single component (in this section referred to as the Space Component)—

(1) that consists of all members of the Space Force, without regard to whether such a member is, under laws in effect at the time of the report, in the active or reserve component of the Space Force; and

(2) in which such members may transfer between duty statuses more freely than would otherwise be allowed under the laws in effect at the time of the report.

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

(1) A plan that describes any rules, regulations, policies, guidance, and statutory provisions that may be implemented to govern—

(A) the ability of a member of the Space Component to transfer between duty statuses, the number of members authorized to make such transfers, and the timing of such transfers;

(B) the retirement of members of the Space Component, including the determination of a member's eligibility for retirement and the calculation of the retirement benefits (including benefits under laws administered by the Secretary of Veterans Affairs) to which the member would be entitled based on a career consisting of service in duty statuses of the Space Component; and

(C) the composition and operation of promotion selection boards with respect to mem-

bers of the Space Component, including the treatment of general officers by such boards.

(2) A comprehensive analysis of how such proposal may affect the ability of departments and agencies of the Federal Government (including departments and agencies outside the Department of Defense and the Department of Veterans Affairs) to accurately calculate the pay or determine the benefits, including health care benefits under chapter 55 of title 10, United States Code, to which a member or former member of the Space Component is entitled at any given time.

(3) Draft legislative text, prepared by the Office of Legislative Counsel within the Office of the General Counsel of the Department of Defense, that comprehensively sets forth all amendments and modifications to Federal statutes needed to effectively implement the proposal described in subsection (a), including—

(A) amendments and modifications to titles 10, 37, and 38, United States Code;

(B) amendments and modifications to Federal statutes outside of such titles; and

(C) an analysis of each provision of Federal statutory law that refers to the duty status

of a member of an Armed Force, or whether such member is in an active or reserve component, and, for each such provision—

(i) a written determination indicating whether such provision requires amendment or other modification to clarify its applicability to a member of the Space Component; and

(ii) if such an amendment or modification is required, draft legislative text for such amendment or modification.

# Subtitle C—Space National Guard

**SEC. 921. ESTABLISHMENT OF SPACE NATIONAL GUARD.**

(a) ESTABLISHMENT.—

(1) IN GENERAL.—There is established a Space National Guard that is part of the organized militia of the several States and Territories, Puerto Rico, and the District of Columbia—

(A) in which the Space Force operates; and

(B) active and inactive.

(2) RESERVE COMPONENT.—There is established a Space National Guard of the United States that is the reserve component of the United States

Space Force all of whose members are members of the Space National Guard.

(b) COMPOSITION.—The Space National Guard shall be composed of the Space National Guard forces of the several States and Territories, Puerto Rico and the District of Columbia—

(1) in which the Space Force operates; and

(2) active and inactive.

**SEC. 922. NO EFFECT ON MILITARY INSTALLATIONS.**

Nothing in this subtitle, or the amendments made by this subtitle, shall be construed to authorize or require the relocation of any facility, infrastructure, or military installation of the Space National Guard or Air National Guard.

**SEC. 923. IMPLEMENTATION OF SPACE NATIONAL GUARD.**

(a) REQUIREMENT.—Except as specifically provided by this subtitle, the Secretary of the Air Force and Chief of the National Guard Bureau shall implement this subtitle, and the amendments made by this subtitle, not later than 18 months after the date of the enactment of this Act.

(b) BRIEFINGS.—Not later than 90 days after the date of the enactment of this Act, and annually for the five subsequent years, the Secretary of the Air Force, Chief of the Space Force and Chief of the National Guard Bureau shall jointly provide to the congressional defense

committees a briefing on the status of the implementation of the Space National Guard pursuant to this subtitle and the amendments made by this subtitle. This briefing shall address the current missions, operations and activities, personnel requirements and status, and budget and funding requirements and status of the Space National Guard, and such other matters with respect to the implementation and operation of the Space National Guard as the Secretary and the Chiefs jointly determine appropriate to keep Congress fully and currently informed on the status of the implementation of the Space National Guard.

**SEC. 924. CONFORMING AMENDMENTS AND CLARIFICATION OF AUTHORITIES.**

(a) DEFINITIONS.—

(1) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended—

(A) in section 101—

(i) in subsection (c)—

(I) by redesignating paragraphs (6) and (7) as paragraphs (8) and (9), respectively; and

(II) by inserting after paragraph (5) the following new paragraphs:

''(6) The term 'Space National Guard' means that part of the organized militia of the several

States and territories, Puerto Rico, and the District Of Columbia, active and inactive, that—

''(A) is a space force;

''(B) is trained, and has its officers appointed under the sixteenth clause of section 8, article I of the Constitution;

''(C) is organized, armed, and equipped wholly or partly at Federal expense; and

''(D) is federally recognized.

''(7) The term 'Space National Guard of the United States' means the reserve component of the Space Force all of whose members are members of the Space National Guard.''; and

(B) in section 10101—

(i) in the matter preceding paragraph (1), by inserting ''the following'' before the colon; and

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

''(8) The Space National Guard of the United States.''.

(2) TITLE 32, UNITED STATES CODE.—Section 101 of title 32, United States Code is amended—

(A) by redesignating paragraphs (8) through (19) as paragraphs (10) and (21), respectively; and

(B) by inserting after paragraph (7) the following new paragraphs:

''(8) The term 'Space National Guard' means that part of the organized militia of the several States and territories, Puerto Rico, and the District Of Columbia, in which the Space Force operates, active and inactive, that—

''(A) is a space force;

''(B) is trained, and has its officers appointed under the sixteenth clause of section 8, article I of the Constitution;

''(C) is organized, armed, and equipped wholly or partly at Federal expense; and

''(D) is federally recognized.

''(9) The term 'Space National Guard of the United States' means the reserve component of the Space Force all of whose members are members of the Space National Guard.''.

(b) RESERVE COMPONENTS.—Chapter 1003 of title 10, United States Code, is amended—

(1) by adding at the end the following new sections:

**"§ 10115. Space National Guard of the United States: composition**

''The Space National Guard of the United States is the reserve component of the Space Force that consists of—

''(1) federally recognized units and organizations of the Space National Guard; and

''(2) members of the Space National Guard who are also Reserves of the Space Force.

**"§ 10116. Space National Guard: when a component of the Space Force**

''The Space National Guard while in the service of the United States is a component of the Space Force.

**"§ 10117. Space National Guard of the United States: status when not in Federal service**

''When not on active duty, members of the Space National Guard of the United States shall be administered, armed, equipped, and trained in their status as members of the Space National Guard.''; and

(2) in the table of sections at the beginning of such chapter, by adding at the end the following new items:

''10115. Space National Guard of the United States: composition.
''10116. Space National Guard: when a component of the Space Force.
''10117. Space National Guard of the United States: status when not in Federal service.''.

# 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 Department of Defense in this division for fiscal year 2023 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.—Except as provided in paragraph (3), the total amount of authorizations that the Secretary may transfer under the authority of this section may not exceed $6,000,000,000.

(3) EXCEPTION FOR TRANSFERS BETWEEN MILITARY PERSONNEL AUTHORIZATIONS.—A transfer of funds between military personnel authorizations under title IV shall not be counted toward the dollar limitation in paragraph (2).

(b) LIMITATIONS.—The authority provided by subsection (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 Congress.

(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).

**SEC. 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, provided that such statement has been submitted prior to the vote on passage.

# Subtitle B—Counterdrug Activities

**SEC. 1011. EXTENSION OF AUTHORITY TO SUPPORT A UNIFIED COUNTERDRUG AND COUNTERTERRORISM CAMPAIGN IN COLOMBIA.**

Section 1021 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108–375; 118 Stat. 2042), as most recently amended by section 1007 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1889), is further amended—

(1) in subsection (a)(1), by striking ''2023'' and inserting ''2025''; and

(2) in subsection (c), by striking ''2023'' and inserting ''2025''.

# Subtitle C—Naval Vessels and Shipyards

**SEC. 1021. NAVY CONSULTATION WITH MARINE CORPS ON MAJOR DECISIONS DIRECTLY CONCERNING MARINE CORPS AMPHIBIOUS FORCE STRUCTURE AND CAPABILITY.**

(a) IN GENERAL.—Section 8026 of title 10, United States Code, is amended by inserting ''or amphibious force structure and capability'' after ''Marine Corps aviation''.

(b) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—The heading of such section is amended by inserting ''**or amphibious force structure and capability**''.

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 803 of such title is amended by striking the item relating to section 8026 and inserting the following new item:

''8026. Consultation with Commandant of the Marine Corps on major decisions directly concerning Marine Corps aviation or amphibious force structure and capability.''.

**SEC. 1022. NUMBER OF NAVY OPERATIONAL AMPHIBIOUS SHIPS.**

Section 8062 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(g) The naval combat forces of the Navy shall include not less than 31 operational amphibious ships, comprised of LSD–41 class ships, LSD–49 class ships, LPD–17 class ships, LPD–17 Flight II class ships, LHD–1 class ships, LHA–6 Flight 0 class ships, and LHA–6 Flight I class ships. For purposes of this subsection, an operational amphibious ship includes an amphibious ship that is temporarily unavailable for worldwide deployment due to routine or scheduled maintenance or repair.''.

**SEC. 1023. AVAILABILITY OF FUNDS FOR RETIREMENT OR INACTIVATION OF LANDING DOCK SHIPS.**

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended to retire, prepare to retire, inactivate, or place in storage any of the following ships:

(1) USS Germantown (LSD-42).

(2) USS Gunston Hall (LSD-44).

(3) USS Tortuga (LSD-46).

(4) USS Ashland (LSD-48).

**SEC. 1024. AVAILABILITY OF FUNDS FOR RETIREMENT OR INACTIVATION OF GUIDED MISSILE CRUISERS.**

(a) IN GENERAL.—Subject to subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended to retire, prepare to retire, inactivate, or place in storage more than four guided missile cruisers.

(b) USS VICKSBURG.—The USS Vicksburg may not be retired, prepared to retire, inactivated, or placed in storage pursuant to subsection (a).

**SEC. 1025. BUSINESS CASE ANALYSES ON DISPOSITION OF CERTAIN GOVERNMENT-OWNED DRY-DOCKS.**

(a) AFDM-10.—Not later than March 1, 2023, the Secretary of the Navy shall submit to the congressional defense committees the results of a business case analysis under which the Secretary shall present a comparison of the following four options for Auxiliary Floating Dock, Medium-10 in Seattle, Washington (in this section referred to as ''AFDM-10''):

(1) The continued use of AFDM-10, in the same location and under the same lease authorities in effect on the date of the enactment of this Act.

(2) The relocation and use of AFDM-10 in alternate locations under the same lease authorities in effect on the date of the enactment of this Act.

(3) The relocation and use of AFDM-10 in alternate locations under alternative lease authorities.

(4) The conveyance of AFDM-10 at a fair market rate to an appropriate non-Government entity with expertise in the non-nuclear ship repair industry.

(b) GRAVING DOCK AT NAVAL BASE, SAN DIEGO.—Not later than March 1, 2023, the Secretary of the Navy shall submit to the congressional defense committees the results of a business case analysis under which the Secretary shall present a comparison of the following two op-

tions for the Government-owned graving dock at Naval Base San Diego, California:

(1) The continued use of such graving dock, in accordance with the utilization strategy described in the May 25, 2022 report to Congress entitled ''Navy Dry Dock Strategy for Surface Ship Maintenance and Repair''.

(2) The lease of such graving dock to an appropriate non-Government entity with expertise in the non-nuclear ship repair industry.

**SEC. 1026. PROHIBITION ON USE OF FUNDS FOR RETIREMENT OF LEGACY MARITIME MINE COUNTERMEASURES PLATFORMS.**

(a) PROHIBITION.—Except as provided in subsection (b), the Secretary of the Navy may not obligate or expend funds to discontinue or prepare to discontinue, including by making a substantive reduction in training and operational employment, the Marine Mammal System program, that has been used, or is currently being used, for—

(1) port security at Navy bases, known as Mark-6 systems; or

(2) mine search capabilities, known as Mark-7 systems.

(b) WAIVER.—The Secretary of the Navy may waive the prohibition under subsection (a) if the Secretary, with

the concurrence of the Director of Operational Test and Evaluation, certifies in writing to the congressional defense committees that the Secretary has—

(1) identified a replacement capability and the necessary quantity of such capability to meet all operational requirements currently being met by the Marine Mammal System program, including a detailed explanation of such capability and quantity;

(2) achieved initial operational capability of all capabilities referred to in paragraph (1), including a detailed explanation of such achievement; and

(3) deployed a sufficient quantity of capabilities referred to in paragraph (1) that have achieved initial operational capability to continue to meet or exceed all operational requirements currently being met by Marine Mammal System program, including a detailed explanation of such deployment.

**SEC. 1027. DEADLINE FOR 75 PERCENT MANNING FILL FOR SHIPS UNDERGOING NUCLEAR REFUELING OR DEFUELING.**

By not later than December 31, 2023, the Secretary of the Navy shall ensure that the manning fill for each ship undergoing nuclear refueling or defueling, and any concurrent complex overhaul, is not less than—

(1) 75 percent overall; and

(2) 75 percent for enlisted grades E-6 and above.

**SEC. 1028. PROHIBITION ON DEACTIVATION OF NAVY COMBAT DOCUMENTATION DETACHMENT 206.**

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Navy may be obligated or expended to deactivate, or prepare to deactivate Navy Combat Documentation Detachment 206.

**SEC. 1029. WITHHOLDING OF CERTAIN INFORMATION ABOUT SUNKEN MILITARY CRAFTS.**

Section 1406 of the Sunken Military Craft Act (title XIV of Public Law 108–375; 10 U.S.C. 113 note) is amended by adding at the end the following new subsection: (j)

''(j) WITHHOLDING OF CERTAIN INFORMATION.—Pursuant to subparagraphs (A)(ii) and (B) of section 552(b)(3) of title 5 United States Code, the Secretary concerned may withhold from public disclosure information and data about the location or character of a sunken military craft under the jurisdiction of the Secretary, if such disclosure would increase the risk of the unauthorized disturbance of one or more sunken military craft.''.

**SEC. 1030. AVAILABILITY OF FUNDS FOR RETIREMENT OR INACTIVATION OF EXPEDITIONARY TRANSFER DOCK SHIPS.**

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended to retire, prepare to retire, inactivate, or place in storage the following ships:

(1) ESD-1.

(2) ESD-2.

**SEC. 1031. AVAILABILITY OF FUNDS FOR RETIREMENT OR INACTIVATION OF LITTORAL COMBAT SHIPS.**

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended to retire, prepare to retire, inactivate, or place in storage more than four Littoral Combat Ships.

# Subtitle D—Counterterrorism

**SEC. 1035. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN COUNTRIES.**

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, 2023,

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.

(5) Afghanistan.

# Subtitle E—Miscellaneous Authorities and Limitations

**SEC. 1041. MODIFICATION OF AUTHORITY FOR HUMANITARIAN DEMINING ASSISTANCE AND STOCKPILED CONVENTIONAL MUNITIONS ASSISTANCE.**

(a) LOCATION OF ASSISTANCE.—Section 407 of title 10, United States Code, is amended—

(1) in subsection (a)(1)—

(A) in the matter preceding subparagraph (A)—

(i) by striking ''carry out'' and inserting ''provide''; and

(ii) by striking ''in a country'' and inserting ''to a country''; and

(B) in subparagraph (A), by striking ''in which the activities are to be carried out'' and inserting ''to which the assistance is to be provided''; and

(2) in subsection (d)—

(A) in paragraph (1)—

(i) by striking ''in which'' and inserting ''to which''; and

(ii) by striking ''carried out'' and inserting ''provided'';

(B) in paragraph (2), by striking ''carried out in'' and inserting ''provided to'';

(C) in paragraph (3)—

(i) by striking ''in which'' and inserting ''to which''; and

(ii) by striking ''carried out'' and inserting ''provided''; and

(D) in paragraph (4), by striking ''in carrying out such assistance in each such country'' and inserting ''in providing such assistance to each such country''.

(b) EXPENSES.—Subsection (c) of such section 407 is amended—

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

''(C) Travel, transportation, and subsistence expenses of foreign personnel to attend training provided by the Department of Defense under this section.''; and

(2) in paragraph (3), by striking ''$15,000,000'' and inserting ''$20,000,000''.

(c) REPORT.—Subsection (d) of such section 407, as amended by subsection (a)(2) of this section, is further amended in the matter preceding paragraph (1), by striking ''include in the annual report under section 401 of this title a separate discussion of'' and inserting ''submit to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives a report on''.

**SEC. 1042. SECURITY CLEARANCES FOR RECENTLY SEPARATED MEMBERS OF THE ARMED FORCES AND CIVILIAN EMPLOYEES OF THE DEPARTMENT OF DEFENSE.**

(a) IMPROVEMENTS.—

(1) IN GENERAL.—Except as provided in subsection (b), beginning on the date on which a covered individual separates from the Armed Forces or

the Department of Defense (as the case may be), if the Secretary of Defense determines that the covered individual held a security clearance immediately prior to such separation and requires a security clearance of an equal or lower level for employment as a covered contractor, the Secretary shall—

(A) during the one-year period following such date, treat the previously held security clearance as an active security clearance for purposes of such employment; and

(B) during the two-year period following the conclusion of the period specified in subparagraph (A), ensure that the adjudication of any request submitted by the covered employee for the reactivation of the previously held security clearance for purposes of such employment is completed by not later than 180 days after the date of such submission.

(2) COAST GUARD.—In the case of a member of the Armed Forces who is a member of the Coast Guard, the Secretary of Defense shall carry out paragraph (1) in consultation with the Secretary of the Department in which the Coast Guard is operating.

(b) EXCEPTIONS.—

(1) IN GENERAL.—Subsection (a) shall not apply with respect to a covered individual—

(A) whose previously held security clearance is, or was as of the date of separation of the covered individual, under review as a result of one or more potentially disqualifying factors or conditions that have not been fully investigated or mitigated; or

(B) in the case of a member of the Armed Forces, who separated from the Armed Forces under other than honorable conditions.

(2) CLARIFICATION OF REVIEW EXCEPTION.—The exception specified in paragraph (1)(A) shall not apply with respect to a routine periodic reinvestigation or a continuous vetting investigation in which no potentially disqualifying factors or conditions have been found.

(c) DEFINITIONS.—In this section:

(1) The term ''covered contractor'' means an individual who is employed by an entity that carries out work under a contract with the Department of Defense or an element of the intelligence community.

(2) The term ''covered individual'' means a former member of the Armed Forces or a former civilian employee of the Department of Defense.

(3) 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).

**SEC. 1043. SUBMISSION OF NATIONAL DEFENSE STRATEGY IN UNCLASSIFIED FORM.**

Section 113(g)(1)(D) of title 10, United States Code, is amended by striking ''in classified form with an unclassified summary.'' and inserting ''in unclassified form, but may include a classified annex.''.

**SEC. 1044. COMMON ACCESS CARDS FOR DEPARTMENT OF DEFENSE FACILITIES FOR CERTAIN CONGRESSIONAL STAFF.**

(a) IN GENERAL.—The Secretary of Defense shall develop processes and procedures under which the Secretary shall issue common access cards to staff of the congressional defense committees who need such access to facilitate the performance of required congressional oversight activities. Such common access cards shall provide such staff with access to all Department of Defense installations and facilities.

(b) IMPLEMENTATION.—The Secretary shall implement the processes and procedures developed under subsection (a) by not later than 180 days after the date of the enactment of this Act.

(c) INTERIM BRIEFING.—Not later than 90 days after the date of the enactment of the Act, the Secretary of Defense shall provide to the congressional defense committees an interim briefing on the status of the processes and procedures required to be developed under subsection (a).

**SEC. 1045. INTRODUCTION OF ENTITIES IN TRANSACTIONS CRITICAL TO NATIONAL SECURITY.**

(a) IN GENERAL.—The Secretary of Defense may facilitate the introduction of entities for the purpose of discussing a covered transaction that the Secretary has determined is in the national security interests of the United States.

(b) COVERED TRANSACTION DEFINED.—The term ''covered transaction'' means a transaction that the Secretary has reason to believe would likely involve an entity affiliated with a strategic competitor unless an alternative transaction were to occur.

**SEC. 1046. REPOSITORY OF LOCAL NATIONALS WORKING FOR OR ON BEHALF OF FEDERAL GOVERNMENT IN THEATER OF COMBAT OPERATIONS.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) there are well documented administrative issues with current and former Special Immigrant

Visa programs that significantly increase the application timeline and impact applicants seeking to verify their eligibly for these programs;

(2) administrative issues such a verification of employment, characterization of service, personnel data, and biographical data needed for employment by a local national employee but not centrally maintained should not be a barrier for an applicant who has put themselves or their family at risk by providing faithful and valuable service in support the United States Government;

(3) upon studying existing databases within the federal government, none meet the requirement that would provide a centralized database that all federal departments and agencies could utilize to ensure that in the future, eligible applicants do not have applications delayed or denied due to missing administrative data;

(4) the creation of such a database, exercising current privacy data control policies, would streamline the application process and provide independent and centralized verification that an applicant is indeed eligible for the program; and

(5) Special Immigrant Visa programs are consistent with our national values, and therefore, it is

an obligation to make sure the accurate data necessary to verify and complete these applications expeditiously is available when needed.

(b) DATABASE.—Not later than one year after the date of enactment of this Act, the Secretary of Defense, in coordination with the Secretary of State, shall establish and maintain a database listing all foreign nationals working for the United States Government or any contractor or subcontractor (at any tier) of the Department of Defense, the Department of State, or any other agency or instrumentality of the Executive branch in a theater of combat operations. This section and the requirements of this section shall be carried out consistent with the Privacy Act of 1974.

(c) REQUIREMENTS.—The database established under subsection (b) shall be electronic and searchable, and shall include, with respect to each foreign national so listed, the following:

(1) Full name and date of birth.

(2) Contact information.

(3) Local national or State ID Number.

(4) Passport number, if applicable.

(5) Job location.

(6) The component of Government or contractor contact information.

(7) Start and end dates, total length of service, and whether the foreign national has met the length of service requirement for the Special Immigrant Visa program in that country, if applicable.

(8) A thorough description of work duties and the location where duties were performed.

(9) Any other information the Secretary of Defense or Secretary of State deems appropriate.

(d) NOTIFICATION.—The Secretary of Defense, Secretary of State, the head of any other agency or instrumentality of the Executive branch, and each contractor or subcontractor (at any tier) of the Department of Defense, the Department of State, or such other agency or instrumentality, shall provide to any foreign national employee in the database established under subsection (b), at the end of each year of employment with the Government, contractor, or subcontractor (at any tier) (as the case may be) and on the date such employment terminates, a written certification regarding such employee's total length of service.

**SEC. 1047. TRANSFERS AND PAY OF NONAPPROPRIATED FUND EMPLOYEES.**

(a) IN GENERAL.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall update policies and procedures, as needed, to expe-

dite the process for interservice transfers of non-appropriated fund employees. The Secretary shall provide an update to the appropriate committees on the completion of such updates.

(b) REPORT.—Not later than 2 years after the date of enactment of this Act, the Secretary shall submit a report to the congressional defense committees on the following:

(1) The impact of the change on the processing time for transfers of nonappropropriated fund employees between nonappropriated fund instrumentaliteis in different military services.

(2) The impact of the changes on the processing time for reinstatement of nonappropriated fund employees to a nonappropriated fund instrumentality in a military service that is different from the military service where the individual was previously employed by a nonappropriated fund instrumentality.

(3) The impact of the changes on recruitment and retention of nonappropriated fund employees in general and specifically for nonappropriated fund employees of military child development centers.

**SEC. 1048. ESTABLISHMENT OF JOINT TRAINING PIPELINE BETWEEN UNITED STATES NAVY AND ROYAL AUSTRALIAN NAVY.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the AUKUS partnership between Australia, the United Kingdom, and the United States presents a significant opportunity to enhance security cooperation in the Indo-Pacific region;

(2) parties to the AUKUS partnership should work expeditiously to implement a strategic roadmap to successfully deliver capabilities outlined in the agreement;

(3) the United States should engage with industry partners to develop a comprehensive understanding of the requirements needed to increase capacity and capability;

(4) Australia should continue to expand its industrial base to support production and delivery of future capabilities;

(5) the delivery of a nuclear-powered submarine to the Government of Australia would require the appropriate training and development of future commanding officers to operate such submarines for the Royal Australian Navy; and

(6) in order to uphold the stewardship of the Naval Nuclear Propulsion Program, the Secretary of Defense should work to coordinate an exchange program to integrate and train Australian sailors for the operation and maintenance of nuclear-powered submarines.

(b) EXCHANGE PROGRAM.—The Secretary of Defense, in consultation with the Secretary of Energy, shall carry out an exchange program for Australian submarine officers during 2023 and each subsequent year. Under the program, each year, a minimum of two Australian submarine officers shall be selected to participate in the program. Each such participant shall—

(1) receive training in the Navy Nuclear Propulsion School;

(2) following such training and by not later than July 1 of the year of participation, enroll in the Submarine Office Basic Course; and

(3) following completion of such course, be assigned to duty on an operational United States submarine at sea.

(c) 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 committees a report on a notional exchange program for Australian sub-

marine officers that includes initial, follow-on, and recurring training that could be provided to Australian submarine officers in order prepare such officers for command of nuclear-powered Australian submarines.

**SEC. 1049. INSPECTOR GENERAL OVERSIGHT OF DEPARTMENT OF DEFENSE ACTIVITIES IN RESPONSE TO RUSSIA'S FURTHER INVASION OF UKRAINE.**

The Inspector General of the Department of Defense Inspector General shall carry out comprehensive oversight and conduct reviews, audits, investigations, and inspections of the activities conducted by the Department of Defense in response to Russia's further invasion of Ukraine, initiated on February 24, 2022, including military assistance provided to Ukraine by the Department of Defense.

**SEC. 1050. CONSULTATION OF CONGRESSIONAL DEFENSE COMMITTEES IN PREPARATION OF NATIONAL DEFENSE STRATEGY.**

Section 113(g)(1) of title 10, United States Code, is amended—

(1) by redesignating subparagraphs (D) through (F) as subparagraphs (E) through (G), respectively; and

(2) by inserting after subparagraph (C) the following new subparagraph (D):

''(D) In addressing the matters referred to in subparagraph (B)(i) and (ii), the Secretary may seek the advice and views of the congressional defense committees, through the Chair and Ranking Members of the congressional defense committees. The congressional defense committees, through the Chair and Ranking Member of the congressional defense committees, may submit their advice and views to the Secretary in writing. Any such written views shall be published as an annex to the national defense strategy.''.

# Subtitle F—Studies and Reports

**SEC. 1061. BRIEFING ON GLOBAL FORCE MANAGEMENT ALLOCATION PLAN.**

Section 1074(c) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) is amended by adding at the end the following new paragraph:

''(4) For each major modification to global force allocation made during the preceding fiscal year that deviated from the Global Force Management Allocation Plan for that fiscal year—

''(A) an analysis of the costs of such modification;

''(B) an assessment of the risks associated with such modification, including strategic

risks, operational risks, and risks to readiness; and

''(C) a description of any strategic trade-offs associated with such modification.''.

**SEC. 1062. EXTENSION AND MODIFICATION OF REPORTING REQUIREMENT REGARDING ENHANCEMENT OF INFORMATION SHARING AND COORDINATION OF MILITARY TRAINING BETWEEN DEPARTMENT OF HOMELAND SECURITY AND DEPARTMENT OF DEFENSE.**

Section 1014 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—

(1) in subsection (d)—

(A) in paragraph (1)(B)(iv), by adding at the end the following new subclauses:

''(VIII) The methodology used for making cost estimates in the evaluation of a request for assistance.

''(IX) The extent to which the fulfillment of the request for assistance affected readiness of the Armed Forces, including members of the reserve components.''; and

(B) in paragraph (3), by striking ''December 31, 2023'' and inserting ''December 31, 2024''; and

(2) by adding at the end the following new subsection:

''(f) QUARTERLY BRIEFINGS.—Not later than 30 days after the last day of each fiscal quarter, the Secretary of Defense shall provide to the Committees on Armed Services of the Senate and House of Representatives a briefing on any assistance provided by the Department of Defense to the border security mission of the Department of Homeland Security at the international borders of the United States during the quarter covered by the briefing. Each such briefing shall include each of the elements specified in subsection (d)(1)(B) for such quarter.''.

**SEC. 1063. CONTINUATION OF REQUIREMENT FOR ANNUAL REPORT ON NATIONAL GUARD AND RESERVE COMPONENT EQUIPMENT.**

(a) IN GENERAL.—Section 1080(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1000; 10 U.S.C. 111 note) does not apply to the report required to be submitted to Congress under section 10541 of title 10, United States Code.

(b) CONFORMING REPEAL.—Section 1061(c) of the National Defense Authorization Act for Fiscal Year 2017

(Public Law 114–328); 130 Stat. 2402; 10 U.S.C. 111 note) is amended by striking paragraph (62).

**SEC. 1064. COMBATANT COMMAND RISK ASSESSMENT FOR AIRBORNE INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE.**

(a) IN GENERAL.—Not later than 60 days after the date on which the Secretary of Defense submits to Congress the materials in support of the budget for any fiscal year, or the date on which any of the military departments otherwise proposes to retire or otherwise divest any airborne intelligence, surveillance, and reconnaissance capabilities, the Vice Chairman of the Joint Chiefs of Staff, in coordination with the commanders of each of the geographic combatant commands, shall submit to the congressional defense committees a report containing an assessment of the level of operational risk to each such command posed by the proposed retirement or divestment with respect to the capability of the command to meet near-, mid-, and far-term contingency and steady-state requirements against adversaries in support of the objectives of the national defense strategy under section 113(g) of title 10, United States Code.

(b) RISK ASSESSMENT.—In assessing levels of operational risk for the purposes of subsection (a), the Vice Chairman and the commanders of the geographic combat-

ant commands shall use the military risk matrix of the Chairman of the Joint Chiefs of Staff, as described in CJCS Instruction 3401.01E, or any successor instruction.

(c) GEOGRAPHIC COMBATANT COMMAND.—In this section, the term ''geographic combatant command'' means any of the following:

(1) United States European Command.

(2) United States Indo-Pacific Command.

(3) United States Africa Command.

(4) United States Southern Command.

(5) United States Northern Command.

(6) United States Central Command.

(d) TERMINATION.—The requirement to submit a report under this section shall terminate on the date that is five years after the date of the enactment of this Act.

**SEC. 1065. REPORTS ON EFFECTS OF STRATEGIC COMPETITOR NAVAL FACILITIES IN AFRICA.**

(a) INITIAL REPORT.—

(1) IN GENERAL.—Not later than May 15, 2023, the Secretary of Defense shall submit to the appropriate congressional committees a report on the effects on the national security of the United States of current or planned covered naval facilities in Africa.

(2) ELEMENTS.—The report required under paragraph (1) shall include the following:

(A) An identification of—

(i) any location in Africa where a covered naval facility has been established; and

(ii) any location in Africa where a covered naval facility is planned for construction.

(B) A detailed description of—

(i) any agreement entered into between China or Russia and a country or government in Africa providing for or enabling the establishment or operation of a covered naval facility in Africa; and

(ii) any efforts by the Department of Defense to change force posture, deployments, or other activities in Africa as a result of current or planned covered naval facilities in Africa.

(C) An assessment of—

(i) the effect that each current covered naval facility has had on United States interests, allies, and partners in and around Africa;

(ii) the effect that each planned covered naval facility is expected to have on United States interests, allies, and partners in and around Africa;

(iii) the policy objectives of China and Russia in establishing current and future covered naval facilities at the locations identified under subparagraph (A); and

(iv) the specific military capabilities supported by each current or planned covered naval facility.

(b) UPDATE TO REPORT.—

(1) IN GENERAL.—Not later than March 1, 2024, the Secretary of Defense shall submit to the appropriate congressional committees a report containing an update to the report required under subsection (a).

(2) ELEMENTS.—The report required under paragraph (1) shall include the following:

(A) An identification of—

(i) any location in Africa where a covered naval facility has been established since the date of the submittal of the report under subsection (a); and

(ii) any location in Africa where a covered naval facility has been planned for construction since such date.

(B) A detailed description of—

(i) any agreement entered into between China or Russia and country or government in Africa since such date providing for or enabling the establishment of a covered naval facility in Africa; and

(ii) any efforts by the Department of Defense since such date to change force posture, deployments, or other activities in Africa as a result of current or planned covered naval facilities in Africa.

(C) An updated assessment of—

(i) the effect that each current covered naval facility has had on United States interests, allies, and partners in and around Africa since such date;

(ii) the effect that each planned covered naval facility has had on United States interests, allies, and partners in and around Africa since such date;

(iii) the policy objectives of China and Russia, including new objectives and

changes to objectives, in establishing current and future covered naval facilities at the locations identified in the report required under subsection (a) or in subparagraph (A); and

(iv) the specific military capabilities supported by each current or planned covered naval facility at such locations, including new capabilities and changes to capabilities.

(D) A detailed description of—

(i) the policy of the Department of Defense surrounding strategic competitor efforts to establish and maintain covered naval facilities in Africa; and

(ii) any actual or planned actions taken by the Department in response to such efforts and in coordination with global Department priorities, as identified in the national defense strategy under section 113(g) of title 10, United States Code.

(c) FORM.—A report required under subsection (a) or (b) shall be submitted in unclassified form without any designation relating to dissemination control, but may include a classified annex.

(d) DEFINITIONS.—In this section:

(1) The term ''Africa'' means all countries in the area of operations of United States Africa Command and Egypt.

(2) 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 the Select Committee on Intelligence of the Senate.

(3) The term ''covered naval facility'' means a naval facility owned, operated, or otherwise controlled by the People's Republic of China or the Russian Federation.

(4) The term ''naval facility'' means a naval base, civilian sea port with dual military uses, or other facility intended for the use of warships or other naval vessels for refueling, refitting, resupply, force projection, or other military purposes.

**SEC. 1066. ANNUAL REPORTS ON SAFETY UPGRADES TO THE HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE FLEETS.**

(a) ANNUAL REPORTS.—Not later than March 1, 2023, and annually thereafter until the date specified in subsection (c), the Secretaries of the Army, Navy, and Air Force shall each submit to the Committees on Armed Services of the Senate and House of Representatives a report on the installation of safety upgrades to the high mobility multipurpose wheeled vehicle fleets under the jurisdiction of the Secretary concerned, including anti-lock brakes, electronic stability control, and fuel tanks.

(b) MATTERS FOR INCLUSION.—Each report required under subsection (a) shall include, for the year covered by the report, each of the following:

(1) The total number of safety upgrades necessary for the high mobility multipurpose wheeled vehicle fleets under the jurisdiction of the Secretary concerned.

(2) The total cumulative number of such upgrades completed prior to the year covered by the report.

(3) A description of any such upgrades that were planned for the year covered by the report.

(4) A description of any such upgrades that were made during the year covered by the report

and, if the number of such upgrades was less than the number of upgrades planned for such year, an explanation of the variance.

(5) If the total number of necessary upgrades has not been made, a description of the upgrades planned for each year subsequent to the year covered by the report.

(c) TERMINATION.—No report shall be required under this section after March 1, 2026.

**SEC. 1067. QUARTERLY REPORTS ON OPERATION SPARTAN SHIELD.**

(a) IN GENERAL.—The Inspector General of the Department of Defense shall submit to the congressional defense committees, and make publicly available on an appropriate website of the Department, quarterly reports on Operation Spartan Shield in a manner consistent with section 8L of the Inspector General Act of 1978 (5 U.S.C. App.).

(b) FORM OF REPORTS.—Each report required under subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

(c) DEADLINE FOR FIRST REPORT.—The Inspector General shall submit the first quarterly report required under subsection (a) by not later than 180 days after the date of the enactment of this Act.

**SEC. 1068. CONGRESSIONAL NOTIFICATION OF MILITARY INFORMATION SUPPORT OPERATIONS IN THE INFORMATION ENVIRONMENT.**

(a) IN GENERAL.—Not later than 15 days before the Secretary of Defense exercises the authority of the Secretary to conduct a new military information support operation in the information environment, as affirmed in section 1631(b) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 397 note), the Secretary shall provide to the appropriate congressional committees notice in writing of the intent to use such authority to conduct such operation.

(b) ELEMENTS.—A notification under subsection (a) shall include each of the following:

(1) A description of the type of support to be provided in the operation.

(2) A description of the personnel engaged in supporting or facilitating the operation.

(3) The amount obligated under the authority to provide support.

(4) The expected duration of the operation and the desired outcome of the operation.

(c) ANNUAL REPORT.—Not later than 90 days after the last day of any fiscal year during which the Secretary conducts a military support operation in the information environment, the Secretary shall submit to the appropriate

congressional committees a report on all such operations during such fiscal year. Such report shall include each of the following for each activity conducted pursuant to such an operation:

(1) The name of the activity.

(2) A description of the activity.

(3) The combatant command responsible for the activity.

(4) The desired outcome of the activity.

(5) The target audience for the activity.

(6) Any means of dissemination used in the conduct of the activity.

(7) The cost of conducting the activity.

(8) An assessment of the effectiveness of the activity.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees;

(2) the Permanent Select Committee on Intelligence and the Committee on Foreign Affairs of the House of Representatives; and

(3) the Select Committee on Intelligence and the Committee on Foreign Relations of the Senate.

**SEC. 1069. DEPARTMENT OF DEFENSE DELAYS IN PROVIDING COMMENTS ON GOVERNMENT ACCOUNTABILITY OFFICE REPORTS.**

(a) REPORTS REQUIRED.—Not later than 180 days after the date of the enactment of this Act, and once every 180 days thereafter until the date that is 2 years after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the congressional defense committees a report on the extent to which the Department of Defense provided comments and sensitivity and security reviews (for drafts tentatively identified as containing controlled unclassified information or classified information) in a timely manner and in accordance with the protocols of the Government Accountability Office during the 180-day period preceding the date of the submittal of the report.

(b) REQUIREMENTS FOR GAO REPORT.—Each report under subsection (a) shall include the following information for the period covered by the report:

(1) The number of draft Government Accountability Office reports for which the Government Accountability Office requested comments from the Department of Defense, including an identification of the reports for which a sensitivity or security review was requested (separated by reports potentially containing only controlled unclassified information and

reports potentially containing classified information) and the reports for which such a review was not requested.

(2) The median and average number of days between the date of the request for Department of Defense comments and the receipt of such comments.

(3) The average number of days between the date of the request for a Department of Defense sensitivity or security review and the receipt of the results of such review.

(4) In the case of any such draft report for which the Department of Defense failed to provide such comments or review within 30 days of the request for such comments or review—

(A) the number of days between the date of the request and the receipt of such comments or review; and

(B) a unique identifier, for purposes of identifying the draft report.

(5) In the case of any such draft report for which the Government Accountability Office provided an extension to the Department of Defense—

(A) whether the Department provided the comments or review within the time period of the extension; and

(B) a unique identifier, for purposes of identifying the draft report.

(6) Any other information the Comptroller General determines appropriate.

(c) DOD RESPONSES.—Not later than 30 days after the Comptroller General submits a report under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a response to such report that includes each of the following:

(1) An identification of factors that contributed to any delays identified in the report with respect to Department of Defense comments and sensitivity or security reviews requested by the Government Accountability Office.

(2) A description of any actions the Department of Defense has taken or plans to take to address such factors.

(3) A description of any improvements the Department has made in the ability to track timeliness in providing such comments and sensitivity or security reviews.

(4) Any other information the Secretary determines relevant to the information contained in the report submitted by the Comptroller General.

**SEC. 1070. REPORTS ON HOSTILITIES INVOLVING UNITED STATES ARMED FORCES.**

(a) IN GENERAL.—Not later than 48 hours after any incident in which the United States Armed Forces are involved in an attack or hostilities, whether in an offensive or defensive capacity, the President shall transmit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the incident, unless the President—

(1) otherwise reports the incident within 48 hours pursuant to section 4 of the War Powers Resolution (50 U.S.C. 1543); or

(2) has determined prior to the incident, and so reported pursuant to section 1264 of the National Defense Authorization Act for Fiscal Year 2018 (50 U.S.C. 1549), that the United States Armed Forces involved in the incident would be operating under specific statutory authorization within the meaning of section 5(b) of the War Powers Resolution (50 U.S.C. 1544(b)).

(b) MATTERS TO BE INCLUDED.—Each report required by subsection (a) shall include—

(1) the statutory and operational authorities under which the United States Armed Forces were operating when the incident occurred, including any relevant executive orders and an identification of the operational activities authorized under any such executive orders;

(2) the date, location, and duration of the incident and the other parties involved;

(3) a description of the United States Armed Forces involved in the incident and the mission of such Armed Forces;

(4) the numbers of any combatant casualties and civilian casualties that occurred as a result of the incident; and

(5) any other information the President determines appropriate.

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

**SEC. 1071. ANNUAL REPORT ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.**

Section 1057(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) in paragraph (1), by striking ''that were confirmed, or reasonably suspected, to have resulted in civilian casualties'' and inserting ''that resulted in civilian casualties that have been confirmed or are reasonably suspected to have occurred'';

(2) in paragraph (2)—

(A) in subparagraph (B), by inserting '', including, to the extent practicable, geographic coordinates of any strike resulting in civilian casualties occurring as a result of the conduct of the operation.'' after ''location'';

(B) in subparagraph (D), by inserting before the period the following: '', including the justification for each strike conducted as part of the operation'';

(C) in subparagraph (E), by inserting before the period at the end the following: '', formulated as a range, if necessary, and including, to the extent practicable, information regarding

the number of men, women, and children involved''; and

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

''(F) For each strike carried out as part of the operation, an assessment of the destruction of civilian property.

''(G) A summary of the determination of each completed civilian casualty assessment or investigation.

''(H) For each investigation into an incident that resulted in civilian casualties—

''(i) whether the Department conducted any witness interviews or site visits occurred, and if not, an explanation of why not; and

''(ii) whether information pertaining to the incident that was collected by one or more non-governmental entities was considered, if such information exists.''; and

(3) by striking paragraph (4) and inserting the following new paragraph (4):

''(4) A description of any new or updated civilian harm policies and procedures implemented by the Department of Defense.''.

**SEC. 1072. JUSTIFICATION FOR TRANSFER OR ELIMINATION OF FLYING MISSIONS.**

(a) IN GENERAL.—Prior to the relocation or elimination of any flying mission, either with respect to an active or reserve component of a covered Armed Force, the Secretary of Defense shall submit to the congressional defense committees a report describing the justification of the Secretary for the decision to relocate or eliminate such mission. Such report shall include each of the following:

(1) A description of how the decision supports the national defense strategy, the national military strategy, the North American Aerospace Defense Command strategy, and other relevant strategies.

(2) A specific analysis and metrics supporting such decision.

(3) An analysis and metrics to show that the elimination or relocation of the flying mission would not negatively affect the homeland defense mission.

(4) A plan for how the Department of Defense intends to fulfill or continue the mission requirements of the eliminated or relocated flying mission.

(5) An assessment of the effect of the elimination or relocation on the national defense strategy, the national military strategy, the North American Aerospace Defense Command strategy, and the homeland defense mission.

(6) An analysis and metrics to show that the elimination or relocation of the flying mission and its secondary and tertiary impacts would not degrade capabilities and readiness of the Joint Force.

(7) An analysis and metrics to show that the elimination or relocation of the flying mission would not negatively affect the national military airspace system.

(b) COVERED ARMED FORCE.—In this section, the term ''covered Armed Force'' means—

(1) The Army.

(2) The Navy.

(3) The Air Force.

**SEC. 1073. EQUIPMENT OF ARMY RESERVE COMPONENTS: ANNUAL REPORT TO CONGRESS.**

Section 10541(b)(10) of title 10, United States Code, is amended—

(1) in subparagraph (E), by striking ''and'';

(2) by redesignating subparagraph (F) as subparagraph (G); and

(3) by inserting, after subparagraph (E), the following new subparagraph (F):

''(F) MQ-1C Gray Eagle Extended Range; and''.

**SEC. 1074. PUBLIC AVAILABILITY OF REPORTS.**

(a) REQUIREMENTS FOR WITHHOLDING CERTAIN REPORTS.—Section 122a(b)(2)(D) of title 10, United States Code, is amended—

(1) by striking the period at the end and inserting ", if the Secretary—";

(2) by adding at the end the following new clauses:

"(A) gives public notice that the report will be withheld pursuant to such determination; and

"(B) submits to the congressional defense committees the reason for the determination that the information should not be made available to the public.".

(b) REPORT TO CONGRESS.—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, and make publicly available on an appropriate website of the Department of Defense, a report on the implementation of section 122a of title 10, United States Code, as amended by subsection (a). Such report shall address—

(1) the procedures under which members of the public may request a covered report under subsection (a)(2) of such section 122a; and

(2) the procedures and criteria under which the Secretary determines that a report that would otherwise be a covered report should not be made publicly available pursuant to subsection (b)(2)(D) of such section, as amended by subsection (a).

**SEC. 1075. QUARTERLY REPORTS ON EXPENDITURES FOR PLANNING AND DESIGN OF INFRASTRUCTURE TO SUPPORT PERMANENT UNITED STATES FORCE PRESENCE ON EUROPE'S EASTERN FLANK.**

(a) IN GENERAL.—The Commander of United States European Command shall submit to the congressional defense committees quarterly reports on the use of the funds described in subsection (c) until the date on which all such funds are expended.

(b) CONTENTS.—Each report required under subsection (a) shall include an expenditure plan for the establishment of infrastructure to support permanent United States force presence in the covered region.

(c) FUNDS DESCRIBED.—The funds described in this subsection are the amounts authorized to be appropriated or otherwise made available for fiscal year 2023 for—

(1) Operation and Maintenance, Air Force, for Advanced Planning for Infrastructure to Support Presence on NATO's Eastern Flank;

(2) Operation and Maintenance, Army, for Advanced Planning for Infrastructure to Support Presence on NATO's Eastern Flank; and

(3) Military Construction, Defense-wide, Planning & Design: EUCOM–Infrastructure to Support Presence on NATO's Eastern Flank.

(d) COVERED REGION.—In this section, the term ''covered region'' means Romania, Poland, Lithuania, Latvia, Estonia, Hungary, Bulgaria, and Slovakia.

**SEC. 1076. STUDY ON MILITARY TRAINING ROUTES AND SPECIAL USE AIR SPACE NEAR WIND TURBINES.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) renewable energy development is expanding rapidly as the United States continues to invest in diversifying its energy portfolio;

(2) this expansion has to be carefully considered in its potential impacts to low-level military training routes and special use airspace of the Department of Defense;

(3) it is imperative that the United States preserves access to national airspace for military test and training and activities to ensure military readiness while facilitating deployment of renewable en-

ergy projects, such as wind turbines, that enhance national and economic security in ways that are compatible with military airspace needs; and

(4) the rapid proliferation of wind turbines around the world may require the Armed Forces to develop tactics, training, and procedures for operations in the vicinity of wind turbines in order to exploit potential adversaries' turbines for tactical advantage.

(b) STUDY AND REPORT.—

(1) IN GENERAL.—The Secretary of Defense shall seek to enter into an agreement with a federally funded research and development center to conduct a study to identify low-level military training routes and special use airspace that may be used by the Department of Defense to conduct realistic training over and near wind turbines.

(2) ELEMENTS.—As part of the study under paragraph (1), the federally funded research and development center that conducts the study shall—

(A) identify and define the requirements for military airspace that may be used for the training described in paragraph (1), taking into consideration—

(i) the operational and training needs of the Armed Forces; and

(ii) the threat environments of adversaries of the United States, including the People's Republic of China;

(B) identify possibilities for combining live, virtual, and constructive flight training near wind projects, both onshore and offshore;

(C) describe the airspace inventory required for low-level training proficiency given current and projected force structures;

(D) provide recommendations for redesigning and properly sizing special use air space and military training routes to combine live and synthetic training in a realistic environment;

(E) describe ongoing research and development programs being utilized to mitigate impacts of wind turbines on low-level training routes; and

(F) identify current training routes impacted by wind turbines, any previous training routes that are no longer in use because of wind turbines, and any training routes projected to be lost due to wind turbines.

(3) COORDINATION.—In carrying out paragraph (1), the Secretary of Defense shall coordinate with—

(A) the Under Secretary of Defense for Personnel and Readiness;

(B) the Department of Defense Policy Board on Federal Aviation; and

(C) the Federal Aviation Administration.

(4) SUBMITTAL TO DOD.—

(A) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the federally funded research and development center that conducts the study under paragraph (1) shall submit to the Secretary of Defense a report on the results of the study.

(B) FORM.—The report under paragraph (1) shall be submitted in unclassified form but may include a classified annex.

(5) SUBMITTAL TO CONGRESS.—Not later than 60 days after the date on which the Secretary of Defense receives the report under paragraph (4), the Secretary shall submit to the appropriate congressional committees an unaltered copy of the report together with any comments the Secretary may have with respect to the report.

(c) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The congressional defense committees.

(B) The Committee on Transportation and Infrastructure of the House of Representatives.

(C) The Committee on Commerce, Science, and Transportation of the Senate.

(2) The term ''impacted by wind turbines'' means a situation in which the presence of wind turbines in the area of a low-level military training route or special use airspace—

(A) prompted the Department of Defense to alter a testing and training mission or to reduce previously planned training activities; or

(B) prevented the Department from meeting testing and training requirements.

**SEC. 1077. STUDY ON JOINT TASK FORCE INDO-PACIFIC.**

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Commander of United States Indo-Pacific Command shall submit to the congressional defense committees a report on the results of a study conducted by the Commander on the desirability and feasibility of establishing any of the following for the Indo-Pacific region:

(1) A Joint Task Force.

(2) A sub-unified command.

(3) Another organizational structure to assume command and control responsibility for contingency response in the region.

(b) ELEMENTS.—The study conducted under subsection (a) shall include each of the following:

(1) An assessment of whether an additional organizational structure would better facilitate the planning and execution of contingency response in the Indo-Pacific region.

(2) An assessment of existing components and sub-unified commands to determine if any such components or commands are best positioned to assume the role of such an additional organizational structure.

(3) An assessment of the risks and benefits of headquartering such an additional organizational structure on Guam (or additional locations if the Commander determines appropriate), including a description and expected cost of any required command and control or associated upgrades.

(4) An identification of any additional entities that could be integrated, on a standing basis, into the staff of such an additional organizational struc-

ture, along with associated benefits, risks, and options to mitigate any risks.

(5) An assessment of whether the best option for such an additional organizational structure would be a Joint Task Force, a sub-unified command, or another organizational structure, and what the best relationship would be with respect to other current or future United States commands and task forces in the Indo-Pacific region.

(6) A description of any additional resources or authorizations that would be required to establish such an additional organizational structure.

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

**SEC. 1078. BIANNUAL DEPARTMENT OF DEFENSE INSPECTOR GENERAL REPORTING ON RESPONSE TO RUSSIAN AGGRESSION AND ASSISTANCE TO UKRAINE.**

(a) IN GENERAL.—The Inspector General of the Department of Defense shall provide to the appropriate congressional committees biannual briefings on the status and findings of Inspector General oversight, reviews, audits, and inspections of the activities conducted by the Department of Defense response to Russia's further invasion of

Ukraine, initiated on February 24, 2022, including military assistance provided to Ukraine by the Department of Defense and the programs, operations, and contracts carried out with such funds, including—

(1) the oversight and accounting of the obligation and expenditure of funds used to assist Ukraine and to respond to Russia's further invasion of Ukraine;

(2) the monitoring and review of contracts supported by such funds;

(3) the investigation of any relevant overpayments issues and of legal compliance by Department of Defense officials, contractors, and other relevant entities; and

(4) the investigation of any end-use monitoring issues associated with articles provided to Ukraine.

(b) TERMINATION.—No briefing shall be required under subsection (a) after December 31, 2026.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees;

(2) the Committee on Oversight and Reform and the Committee on Foreign Affairs of the House of Representatives; and

(3) the Committee on Homeland Security and Governmental Affairs and the Committee on Foreign Relations of the Senate.

**SEC. 1079. REVIEW OF SECURITY ASSISTANCE PROVIDED TO ELIE WIESEL COUNTRIES.**

(a) REVIEW REQUIRED.—Not later than 30 days after the transmission of the first report required after the date of the enactment of this Act under section 5 of the Elie Wiesel Genocide and Atrocities Prevention Act of 2018 (Public Law 115–441; 22 U.S.C. 2651 note), the Secretary of Defense shall conduct a review of risks related to the Department of Defense provision of security assistance to countries identified in the report as being at high or medium risk for atrocities. Such review shall include an assessment of risk associated with providing weapons and other forms of security cooperation programs and assistance, including special operations forces programs, to the governments of such countries, with respect to atrocities, conflict, violence, and other forms of instability.

(b) CONGRESSIONAL NOTIFICATION OF CERTAIN CHANGES.—If, as a result of the review required under subsection (a), the Secretary determines that the Department of Defense should stop or change the security assist-

ance provided to a country, the Secretary shall submit notice of such determination to—

(1) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives; and

(2) the Committee on Armed Services and the Committee on Foreign Relations of the Senate.

# Subtitle G—Other Matters

**SEC. 1081. TECHNICAL AND CONFORMING AMENDMENTS.**

(a) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:

(1) The table of chapters at the beginning of subtitle A is amended by striking the item relating to the second chapter 19 (relating to cyber matters).

(2) Section 113 is amended—

(A) in subsection (l)(2)(F), by inserting a period after ''inclusion in the armed forces''; and

(B) in subsection (m), by redesignating the section paragraph (8) as paragraph (9).

(3) The section heading for section 2691 is amended by striking ''**state**'' and inserting ''**State**''.

(4) Section 3014 is amended by striking ''section 4002(a) or 4003'' and inserting ''section 4021(a) or 4023''.

(5) Section 4423(e) is amended by striking ''section 4003'' and inserting ''section 4023''.

(6) Section 4831(a) is amended by striking ''section 4002'' and inserting ''section 4022''.

(7) Section 4833(c) is amended by striking ''section 4002'' and inserting ''section 4022''.

(b) NDAA FOR FISCAL YEAR 2022.—Effective as of December 27, 2021, and as if included therein as enacted, the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) is amended as follows:

(1) Section 907(a) is amended by striking ''116–283'' and inserting ''115–232''.

(c) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2020.—Effective as of December 27, 2021, and as if included therein as enacted, the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended as follows:

(1) Section 905 is amended—

(A) in subsection (a)(2), by inserting a period at the end; and

(B) in subsection (d)(1), by striking ''subparagraph (B)'' and inserting ''paragraph (2)''.

(d) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2014.—Effective as of December 27, 2021, and as if included therein as enacted, the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) is amended as follows:

(1) Section 932(c)(2)(D) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 2224 note) is amended by striking ''of subsection (c)(3)'' and inserting ''paragraph (3)''.

(e) AUTOMATIC EXECUTION OF CONFORMING CHANGES TO TABLES OF SECTIONS, TABLES OF CONTENTS, AND SIMILAR TABULAR ENTRIES IN DEFENSE LAWS.—

(1) ELIMINATION OF NEED FOR SEPARATE CONFORMING AMENDMENT.—Chapter 1 of title 10, United States Code, is amended by adding at the end the following new section:

**''§ 102. Effect of certain amendments on conforming changes to tables of sections, tables of contents, and similar tabular entries**

''(a) AUTOMATIC EXECUTION OF CONFORMING CHANGES.—When an amendment to a covered defense law adds a section or larger organizational unit to the covered defense law, repeals or transfers a section or larger organi-

zational unit in the covered defense law, or amends the designation or heading of a section or larger organizational unit in the covered defense law, that amendment also shall have the effect of amending any table of sections, table of contents, or similar tabular entries in the covered defense law to alter the table to conform to the changes made by the amendment.

''(b) EXCEPTIONS.—Subsection (a) shall not apply to an amendment described in such subsection when—

''(1) the amendment or a clerical amendment enacted at the same time expressly amends a table of sections, table of contents, or similar tabular entries in the covered defense law to alter the table to conform to the changes made by the amendment; or

''(2) the amendment otherwise expressly exempts itself from the operation of this section.

''(c) COVERED DEFENSE LAW.—In this section, the term 'covered defense law' means—

''(1) this title;

''(2) titles 32 and 37;

''(3) any national defense authorization Act that authorizes funds to be appropriated for a fiscal year to the Department of Defense; and

''(4) any other law designated in the text thereof as a covered defense law for purposes of application of this section.''.

(2) CONFORMING AMENDMENT.—The heading of chapter 1 of title 10, United States Code, is amended to read as follows:

**''CHAPTER 1—DEFINITIONS, RULES OF CONSTRUCTION, CROSS REFERENCES, AND RELATED MATTERS''.**

(3) APPLICATION OF AMENDMENT.—Section 102 of title 10, United States Code, as added by paragraph (1), shall apply to the amendments made by this section and other amendments made by this Act.

(f) 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. 1082. RONALD V. DELLUMS MEMORIAL FELLOWSHIP FOR WOMEN OF COLOR IN STEAM.**

(a) ESTABLISHMENT.—The Secretary of Defense shall establish a fellowship program, which shall be known as the ''Ronald V. Dellums Memorial Fellowship for

Women of Color in STEAM'', to provide scholarships and internships for eligible students with high potential talent in STEAM.

(b) OBJECTIVES.—In carrying out the program, the Secretary shall—

(1) consult with institutions of higher education and relevant professional associations, nonprofit organizations, and relevant defense industry representatives on the design of the program; and

(2) design the program in a manner such that the program—

(A) increases awareness of and interest in employment in the Department of Defense among underrepresented students in the STEAM fields, particularly women of color, who are pursuing a degree in a STEAM field;

(B) supports the academic careers of underrepresented students, especially women of color, in STEAM fields; and

(C) builds a pipeline of women of color with exemplary academic achievements in a STEAM field relevant to national security who can pursue careers in national security and in areas of national need.

(c) COMPONENTS.—The fellowship program shall consist of—

(1) a scholarship program under subsection (d); and

(2) an internship program under subsection (e).

(d) SELECTION.—

(1) IN GENERAL.—Each fiscal year, subject to the availability of funds, the Secretary shall seek to select at least 30 eligible students to participate in the fellowship program under this section.

(2) STUDENTS FROM MINORITY-SERVING INSTITUTIONS AND HISTORICALLY BLACK COLLEGES AND UNIVERSITIES.—The Secretary may not award fewer than 50 percent of the fellowships under this section to eligible students who attend historically Black colleges and universities and minority-serving institutions.

(3) PRIORITY.—In awarding scholarships under this section, the Secretary shall give priority to students who are eligible to receive Federal Pell Grants under section 401 of the Higher Education Act of 1965 (20 U.S.C. 1070a).

(4) SCHOLARSHIP.—

(A) AWARD.—Each fellow shall receive a scholarship for each academic year of the fellowship program.

(B) AMOUNT.—The amounts of scholarships awarded under this section shall not exceed—

(i) $10,000 per student in an academic year; and

(ii) $40,000 per student in the aggregate.

(C) USE OF SCHOLARSHIP FUNDS.—A fellow who receives a scholarship may only use the scholarship funds to pay for the cost of attendance at an institution of higher education.

(5) CONSIDERATION OF UNDERREPRESENTED STUDENTS IN STEAM FIELDS.—In awarding a fellowship under this section, the Secretary shall consider—

(A) the number and distribution of minority and female students nationally in science and engineering majors;

(B) the projected need for highly trained individuals in all fields of science and engineering;

(C) the present and projected need for highly trained individuals in science and engineering career fields in which minorities and women are underrepresented; and

(D) the lack of minorities and women in national security, especially in science and engineering fields in which such individuals are traditionally underrepresented.

(6) STUDENT AGREEMENT.—As a condition of the receipt of a scholarship under this section, a fellow shall agree—

(A) to maintain standard academic progress;

(B) to complete an internship described in subsection (e) in a manner that the Secretary determines is satisfactory; and

(C) upon completion of the degree that the student pursues while in the fellowship program, to work for the Federal Government or in the field of education in the area of study for which the scholarship or fellowship was awarded, for a period specified by the Secretary, which shall not be longer than the period for which scholarship assistance was provided to such student.

(7) ENFORCEMENT OF AGREEMENT.—The Secretary may enforce the agreement under paragraph (6) as the Secretary determines appropriate.

(8) DIRECT HIRE AUTHORITY.—Any appointment of a fellow under paragraph (6)(C) to a position in the Federal Government shall be made without regard to the provisions of section 3304 and sections 3309 through 3318 of title 5, United States Code.

(e) INTERNSHIP.—

(1) IN GENERAL.—The Secretary shall establish an internship program that provides each student who is awarded a fellowship under this section with an internship in a an organization or element of the Department of Defense.

(2) REQUIREMENTS.—Each internship shall—

(A) to the extent practicable, last for a period of at least 10 weeks;

(B) include a stipend for transportation and living expenses incurred by the fellow during the fellowship; and

(C) be completed during the initial 2-year period of the fellowship.

(3) MENTORSHIP.—To the extent practicable, each fellow shall be paired with a mid-level or a sen-

ior-level official of the relevant organization or element of the Department of Defense who shall serve as a mentor during the internship.

(f) DURATION AND EXTENSIONS.—

(1) DURATION.—Each fellowship awarded under this section shall be for a period of two years.

(2) EXTENSIONS.—Subject to this paragraphs (3) through (6), a fellow may apply for, and the Secretary may grant, a 1-year extension of the fellowship.

(3) NUMBER OF EXTENSIONS.—There shall be no limit on the number of extensions under paragraph (1) that the Secretary may grant an eligible student.

(4) LIMITATION ON DEGREES.—A fellow may use an extension of a fellowship under this section for the pursuit of not more than the following number of graduate degrees:

(A) Two master's degrees, each of which must be in a STEAM field.

(B) One doctoral degree in a STEAM field.

(5) TREATMENT OF EXTENSIONS.—An extension granted under this subsection does not count for the purposes of determining—

(A) the number of fellowships authorized to be granted for a year under subsection (d)(1); or

(B) the percentage of fellowships granted to eligible students for a year, as determined under subsection (d)(2).

(6) EXTENSION REQUIREMENTS.—A fellow may receive an extension under this subsection only if—

(A) the fellow is in good academic standing with the institution of higher education in which the fellow is enrolled;

(B) the fellow has satisfactorily completed an internship under subsection (e); and

(C) the fellow is currently enrolled full-time at an institution of higher education and pursuing, in a STEAM field—

(i) a bachelor's degree;

(ii) a master's degree; or

(iii) a doctoral degree.

(g) LIMITATION ON ADMINISTRATIVE COSTS.—For each academic year, the Secretary may use not more than 5 percent of the funds made available to carry out this section for administrative purposes, including for purposes of—

(1) outreach to institutions of higher education to encourage participation in the program; and

(2) promotion of the program to eligible students.

(h) ADMINISTRATION OF PROGRAM.—The Secretary may appoint a lead program officer to administer the program and to market the program among students and institutions of higher education.

(i) REPORTS.—Not later than 2 years after the date on which the first fellowship is awarded under this section, and each academic year thereafter, the Secretary of Defense shall submit to the appropriate congressional committees a report containing—

(1) a description and analysis of the demographic information of students who receive fellowships under this section, including information with respect to such students regarding—

(A) race, in the aggregate and disaggregated by the same major race groups as the decennial census of the population;

(B) ethnicity;

(C) gender identity;

(D) eligibility to receive a Federal Pell Grant under section 401 of the Higher Education Act of 1965 (20 U.S.C. 1070a); and

(E) in the case of graduate students, whether the students would be eligible to receive a Federal Pell Grant under section 401 of the Higher Education Act of 1965 (20 U.S.C. 1070a) if they were studying at the undergraduate level;

(2) an analysis of the effects of the program;

(3) a description of—

(A) the total number of students who obtain a degree with fellowship funds each year; and

(B) the type and total number of degrees obtained by fellows; and

(4) recommendations for changes to the program and to this section to ensure that women of color are being effectively served by such program.

(j) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Help, Education, Labor, and Pensions of the Senate; and

(C) the Committee on Education and Labor of the House of Representatives.

(2) The term ''cost of attendance'' has the meaning given that term in section 472 of the Higher Education Act of 1965 (20 U.S.C. 1087II).

(3) The term ''eligible student'' means an individual who—

(A) submits an application for a fellowship under this section;

(B) is enrolled, or will be enrolled for the first year for which the student applies for a fellowship, in either the third or fourth year of a four-year academic program; and

(C) is enrolled, or will be enrolled for the first year for which the student applies for a fellowship, in an institution of higher education on at least a half-time basis.

(4) The term ''fellow'' means a student that was selected for the fellowship program under subsection (d).

(5) The term ''historically Black college or university'' has the meaning given the term ''part B institution'' in section 322 of the Higher Education Act of 1965 (20 U.S.C. 1061).

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

(7) The term ''minority-serving institution'' means an institution specified in section 371(a) of the Higher Education Act of 1965 (20 U.S.C. 1067q(a)).

(8) The term ''STEAM'' means science, technology, engineering, arts, and mathematics.

(9) The term ''underrepresented student in a STEAM field'' means a student who is a member of a minority group for which the number of individuals in such group who receive bachelor's degrees in STEAM fields per 10,000 individuals in such group is substantially fewer than the number of White, non-Hispanic individuals who receive bachelor's degrees in STEAM fields per 10,000 such individuals.

**SEC. 1083. COMBATING MILITARY RELIANCE ON RUSSIAN ENERGY.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) reliance on Russian energy poses a critical challenge for national security activities in area of responsibility of the United States European Command; and

(2) in order to reduce the vulnerability of United States military facilities to disruptions caused by reliance on Russian energy, the Depart-

ment of Defense should establish and implement plans to reduce reliance on Russian energy for all main operating bases in area of responsibility of the United States European Command.

(b) ELIMINATING USE OF RUSSIAN ENERGY.—It shall be the goal of the Department of Defense to eliminate the use of Russian energy on each main operating base in the area of responsibility of the United States European Command by not later than five years after the date of the completion of an installation energy plan for such base, as required under this section.

(c) INSTALLATION ENERGY PLANS FOR MAIN OPERATING BASES.—

(1) IDENTIFICATION OF INSTALLATIONS.—Not later than June 1, 2023, the Secretary of Defense shall submit to the congressional defense committees a list of main operating bases within the area of responsibility of the United States European Command ranked according to mission criticality and vulnerability to energy disruption.

(2) SUBMITTAL OF PLANS.—Not later than 12 months after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees—

(A) an installation energy plan for each main operating base on the list submitted under paragraph (1); and

(B) an assessment of the feasibility of reaching the goal for the elimination of the use of Russian energy pursuant to subsection (b) on that base, including—

(i) a description of the steps that would be required to meet such goal; and

(ii) an analysis of the effects such steps would have on the national security of the United States.

(d) CONTENT OF PLANS.—Each installation energy plan for a main operating base shall include each of the following with respect to that base:

(1) An assessment of the energy resilience requirements, resiliency gaps, and energy-related cybersecurity requirements of the base, including with respect to operational technology, control systems, and facilities-related control systems.

(2) An identification of investments in technology required to improve energy resilience, reduce demand, strengthen energy conservation, and support mission readiness.

(3) An identification of investments in infrastructure, including microgrids, required to strengthen energy resilience and mitigate risk due to grid disturbance.

(4) Recommendations related to opportunities for the use of renewable energy, clean energy, nuclear energy, and energy storage projects to reduce dependence on natural gas.

(5) An assessment of how the requirements and recommendations included pursuant to paragraphs (2) through (4) interact with the energy policies of the country where the base is located, both at present and into the future.

(e) IMPLEMENTATION OF PLANS.—

(1) DEADLINE FOR IMPLEMENTATION.—Not later than 30 days after the date on which the Secretary submits an installation energy plan for a base under subsection (c)(2), the Secretary shall—

(A) begin implementing the plan; and

(B) provide to the congressional defense committees a briefing on the contents of the plan and the strategy of the Secretary for implementing the mitigation measures identified in the plan.

(2) PRIORITIZATION OF CERTAIN PROJECTS.—In implementing an installation energy plan for a base under this section, the Secretary shall prioritize projects requested under section 2914 of title 10, United States Code, to mitigate assessed risks and improve energy resilience, energy security, and energy conservation at the base.

(3) NONAPPLICATION OF CERTAIN OTHER AUTHORITIES.—Subsection (d) of section 2914 of title 10, United States Code, shall not apply with respect to any project carried out pursuant to this section or pursuant to an installation energy plan for a base under this section.

(f) POLICY FOR FUTURE BASES.—The Secretary of Defense shall establish a policy to ensure that any new military base in the area of responsibility of the United States European Command is established in a manner that proactively includes the consideration of energy security, energy resilience, and mitigation of risk due to energy disruption.

(g) ANNUAL CONGRESSIONAL BRIEFINGS.—The Secretary of Defense shall provide to the congressional defense committees annual briefings on the installation energy plans required under this section. Such briefings shall include an identification of each of the following:

(1) The actions each main operating base is taking to implement the installation energy plan for that base.

(2) The progress that has been made toward reducing the reliance of United States bases on Russian energy.

(3) The steps being taken and planned across the future-years defense program to meet the goal of eliminating reliance on Russian energy.

**SEC. 1084. COMMISSION ON CIVILIAN HARM.**

(a) ESTABLISHMENT.—There is hereby established a commission, to be known as the ''Commission on Civilian Harm'' (in this section referred to as the ''Commission'').

(b) RESPONSIBILITIES.—

(1) GENERAL RESPONSIBILITIES.—The Commission shall carry out a study of the following:

(A) Civilian harm resulting from, or incidental to, the use of force by the United States Armed Forces that occurred during the period of inquiry.

(B) The policies, procedures, rules, and regulations of the Department of Defense for the prevention of, mitigation of, and response to civilian harm that were in effect during the period of inquiry.

(2) PARTICULAR DUTIES.—In carrying out the general responsibilities of the Commission under paragraph (1), the Commission shall carry out the following:

(A) Conduct an investigation into the record of the United States with respect to civilian harm during the period of inquiry, including by investigating a representative sample of incidents of civilian harm that occurred where the United States used military force (including incidents confirmed by media and civil society organizations and dismissed by the Department of Defense) by conducting hearings, witness interviews, document and evidence review, and site visits, when practicable.

(B) Identify the recurring causes of civilian harm, as well as the factors contributing to civilian harm, resulting from the use of force by United States Armed Forces during the period of inquiry and assess whether such causes and factors could be addressed and, if so, whether they were resolved.

(C) Assess the extent to which the United States Armed Forces have implemented the recommendations of Congress, the Department of

Defense, other Government agencies, or civil society organizations, or the recommendations contained in studies sponsored or commissioned by the United States Government, with respect to the protection of civilians and efforts to minimize, investigate, and respond to civilian harm resulting from, or incidental to, United States military operations.

(D) Assess the responsiveness of the Department of Defense to incidents of civilian harm and the practices for responding to such incidents, including—

(i) assessments;

(ii) investigations;

(iii) acknowledgment; and

(iv) the provision of compensation payments, including the use of congressionally authorized ex gratia payments, assistance, and other responses.

(E) Assess the extent to which the United States Armed Forces comply with the rules, procedures, policies, memoranda, directives, and doctrine of the Department of Defense for preventing, mitigating, and responding to civilian harm.

(F) Assess the extent to which the policies, protocols, procedures, and practices of the Department of Defense for preventing, mitigating, and responding to civilian harm comply with applicable international humanitarian law, applicable international human rights law, and United States law, including the Uniform Code of Military Justice.

(G) Assess incidents of civilian harm that occurred, or allegedly occurred, during the period of inquiry, by—

(i) determining whether any such incidents were concealed, and if so by assessing the actions taken to conceal;

(ii) assessing the policies and procedures for whistle-blowers to report such incidents;

(iii) determining the extent of the responsiveness and effectiveness of Inspector General oversight, as applicable, regarding reports of incidents of civilian harm; and

(iv) assessing the accuracy of the United States Government public civilian casualty estimates.

(H) Assess the short-, medium-, and long-term consequences of incidents of civilian harm that occurred during the period of inquiry on—

(i) the affected communities, including humanitarian consequences;

(ii) the strategic interests of the United States; and

(iii) the foreign policy goals and objectives of the United States.

(I) Assess the extent to which the Department of Defense Instruction on Responding to Civilian Harm in Military Operations, as required by section 936 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 134 note), addresses issues identified during the investigation of the Commission and what further measures are needed to address issues that the Commission identifies during its operations.

(J) Assess the extent to which United States diplomatic goals and objectives were affected by the incidents of civilian harm during the period of inquiry.

(c) AUTHORITIES.—

(1) SECURITY CLEARANCES.—The appropriate Federal departments or agencies shall cooperate with the Commission in expeditiously providing to the members and staff of the Commission appropriate security clearances, to the extent possible, pursuant to existing procedures and requirements. No person shall be provided with access to classified information under this section without the appropriate security clearances.

(2) HEARINGS AND EVIDENCE.—The Commission or, on the authority of the Commission, any portion thereof, may, for the purpose of carrying out this section—

(A) hold such hearings and sit and act at such times and places, take such testimony, receive such evidence, and administer such oaths as the Commission, or such portion thereof, may determine advisable; and

(B) provide for the attendance and testimony of such witnesses and the production of such books, records, correspondence, memoranda, papers, and documents as the Commission, or such portion thereof, may determine advisable.

(3) INABILITY TO OBTAIN DOCUMENTS OR TESTIMONY.—In the event that the Commission is unable to obtain testimony or documents needed to conduct its work, the Commission shall notify the congressional defense committees and appropriate investigative authorities.

(4) ACCESS TO INFORMATION.—The Commission may secure directly from the Department of Defense any information or assistance that the Commission considers necessary to enable the Commission to carry out the requirements of this section. Upon receipt of a request of the Commission for information or assistance, the Secretary of Defense shall furnish such information or assistance expeditiously to the Commission. Whenever information or assistance requested by the Commission is unreasonably refused or not provided, the Commission shall report the circumstances to Congress without delay.

(d) COMPOSITION.—

(1) NUMBER AND APPOINTMENT.—The Commission shall be composed of 12 members who are civilian individuals not employed by the Federal Government.

(2) MEMBERSHIP.—The members shall be appointed as follows:

(A) The Majority Leader and the Minority Leader of the Senate shall each appoint one member.

(B) The Speaker of the House of Representatives and the Minority Leader shall each appoint one member.

(C) The Chair and the Ranking Member of the Committee on Armed Services of the Senate shall each appoint one member.

(D) The Chair and the Ranking Member of the Committee on Armed Services of the House of Representatives shall each appoint one member.

(E) The Chair and the Ranking Member of the Committee on Appropriations of the Senate shall each appoint one member.

(F) The Chair and Ranking Member of the Committee on Appropriations of the House of Representatives shall each appoint one member.

(3) CHAIR AND VICE CHAIR.—The Commission shall elect a Chair and Vice Chair from among its members.

(4) DEADLINE FOR APPOINTMENT.—Members shall be appointed to the Commission under para-

graph (1) not later than 90 days after the date of the enactment of this Act.

(5) NONGOVERNMENTAL APPOINTEES.—An individual appointed to serve as a member of the Commission may not be an officer or employee of the Federal Government or of any State or local government or a member of the United States Armed Forces serving on active duty.

(e) MEETINGS.—

(1) INITIAL MEETING.—The Commission shall meet and begin the operations of the Commission not later than 120 days after the date of the enactment of this Act.

(2) QUORUM; VACANCIES.—After its initial meeting, the Commission shall meet upon the call of the Chair or a majority of its members. Five members of the Commission shall constitute a quorum. Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner in which the original appointment was made.

(f) STAFFING.—

(1) APPOINTMENT AND COMPENSATION.—The Chair, in accordance with rules agreed upon by the Commission, may appoint and fix the compensation of a staff director and such other personnel as may

be necessary to enable the Commission to carry out its functions, without regard to the provisions of title 5, United States Code, governing appointments in the competitive service, and without regard to the provisions of chapter 51 and subchapter III of chapter 53 of such title relating to classification and General Schedule pay rates, except that no rate of pay fixed under this paragraph may exceed the equivalent of that payable for a position at level V of the Executive Schedule under section 5316 of title 5, United States Code.

(2) PERSONNEL.—The Commission shall have the authorities provided in section 3161 of title 5, United States Code, and shall be subject to the conditions set forth in such section, except to the extent that such conditions would be inconsistent with the requirements of this section.

(3) PERSONNEL AS FEDERAL EMPLOYEES.—

(A) IN GENERAL.—The staff director and any personnel of the Commission who are employees shall be employees under section 2105 of title 5, United States Code, for purposes of chapters 63, 81, 83, 84, 85, 87, 89, and 90 of that title.

(B) MEMBERS OF COMMISSION.—Subparagraph (A) shall not be construed to apply to members of the Commission.

(4) QUALIFICATIONS.—Commission personnel should have experience and expertise in areas including—

(A) international humanitarian law;

(B) human rights law;

(C) investigations;

(D) humanitarian response;

(E) United States military operations;

(F) national security policy;

(G) the languages, histories, and cultures of regions that have experienced civilian harm during the period of inquiry; and

(H) other such areas the members of the Commission determine necessary to carry out the responsibilities of the Commission under subsection (b).

(5) CONTRACTING.—The Commission may, to such extent and in such amounts as are provided in appropriation Acts, enter into contracts to enable the Commission to discharge its duties under this section.

(6) CONSULTANT SERVICES.—The Commission is authorized to procure the services of experts and consultants in accordance with section 3109 of title 5, United States Code, but at rates not to exceed the daily rate paid a person occupying a position at level IV of the Executive Schedule under section 5315 of title 5, United States Code.

(g) REPORTS.—

(1) INTERIM REPORT.—Not later than June 1, 2024, the Commission shall submit to the appropriate congressional committees an interim report on the study referred to in subsection (b)(1), including the results and findings of such study as of that date.

(2) OTHER REPORTS.—The Commission may, from time to time, submit to the appropriate congressional committees such other reports on such study as the Commission considers appropriate.

(3) FINAL REPORT.—Not later than two years after the date of the appointment of all of the members of the Commission under subsection (d), the Commission shall submit to the appropriate congressional committees a final report on such study. The report shall include—

(A) the findings of the Commission; and

(B) recommendations based on the findings of the Commission to improve the prevention, mitigation, assessment, and investigation of incidents of civilian harm.

(4) PUBLIC AVAILABILITY.—The Commission shall make publicly available on an appropriate internet website an unclassified version of each report submitted by the Commission under this subsection and shall ensure that such versions are minimally redacted only for legitimately classified information.

(h) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees;

(B) the Committee on Foreign Affairs, the Committee on Oversight and Reform, the Committee on Transportation and Infrastructure, and the Permanent Select Committee on Intelligence of the House of Representatives; and

(C) the Committee on Foreign Relations, the Committee on Homeland Security and Governmental Affairs, the Committee on Commerce, Science, and Transportation, and the Select Committee on Intelligence of the Senate.

(2) The term ''civilian harm'' means—

(A) the death or injury of a civilian; or

(B) destruction of civilian property.

(3) The term ''period of inquiry'' means the period beginning on the date of the enactment of the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note) and ending on the date of the enactment of the National Defense Authorization Act for Fiscal Year 2023.

**SEC. 1085. DEPARTMENT OF DEFENSE CENTER FOR EXCELLENCE IN CIVILIAN HARM MITIGATION.**

(a) CENTER FOR EXCELLENCE IN CIVILIAN HARM MITIGATION.—

(1) IN GENERAL.—Chapter 7 of title 10, United States Code, is amended by inserting after section 183a the following new section:

**''§ 184. Center for Excellence in Civilian Harm Mitigation**

''(a) ESTABLISHMENT.—The Secretary of Defense shall operate a Center for Excellence in Civilian Harm Mitigation. The purpose of the center shall be to institutionalize and advance knowledge, practices, and tools for preventing, mitigating, and responding to civilian harm.

''(b) PURPOSE.—The Center shall be used to—

''(1) develop more standardized civilian-harm operational reporting and data management processes to improve data collection, sharing, and learning to enable the Department of Defense to better learn from disparate investigations and events;

''(2) develop, recommend, and review guidance, and the implementation of guidance, on how the Department responds to civilian harm;

''(3) develop recommended guidance for addressing civilian harm across the full spectrum of armed conflict and for use in doctrine and operational plans;

''(4) develop and recommend training and exercises for the prevention and investigation of civilian harm;

''(5) develop a repository of civilian casualty and civilian harm information; and

''(6) perform such other functions as the Secretary of Defense may specify.

''(c) ANNUAL REPORT.—The Secretary of Defense shall submit to the congressional defense committees, and make publicly available on an appropriate website of the Department, an annual report on the activities of the Center.''.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 183a the following new item:

''184. Center for Excellence in Civilian Harm Mitigation.''.

(b) DEADLINE FOR ESTABLISHMENT.—The Center for Excellence in Civilian Harm Mitigation, as required under section 184 of title 10, United States Code, as added by subsection (a), shall be established by not later than 90 days after the date of the enactment of this Act.

(c) REPORT TO CONGRESS.—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 the establishment of such Center for Excellence in Civilian Harm Mitigation.

**SEC. 1086. SENSE OF CONGRESS REGARDING NAMING A WARSHIP THE USS FALLUJAH.**

It is the sense of Congress that the Secretary of the Navy should name a warship the ''USS Fallujah''.

**SEC. 1087. STANDARDIZATION OF SECTIONAL BARGE CONSTRUCTION FOR DEPARTMENT OF DEFENSE USE ON RIVERS AND INTERCOASTAL WATERWAYS.**

The Secretary of Defense shall ensure that any sectional barge used by the Department of Defense—

(1) is built to a design that has been reviewed and approved, to the extent possible, by the American Bureau of Shipping, for the intended barge service, and using the rule set of the American Bureau of Shipping for building and classing steel vessels for service on rivers and intercoastal waterways; and

(2) has a deck design that provides for a minimum concentrated load capacity of 10,000 pounds per square foot.

**SEC. 1088. SENSE OF CONGRESS REGARDING NAMING WARSHIPS AFTER DECEASED NAVY MEDAL OF HONOR RECIPIENTS.**

It is the sense of Congress that the Secretary of the Navy should name warships after deceased Navy recipients of the Medal of Honor from World War I to the present, who have not had a vessel named in their honor, as follows:

(1) Tedford H. Cann.

(2) Ora Graves.

(3) John MacKenzie.

(4) Patrick McGunigal.

(5) John H. Balch.

(6) Joel T. Boone.

(7) Jesse W. Covington.

(8) Edouard Izac.

(9) David E. Hayden.

(10) Alexander G. Lyle.

(11) Francis E. Ormsbee, Jr.

(12) Orlando H. Petty.

(13) Oscar Schmidt, Jr.

(14) Daniel A. J. Sullivan.

(15) Frank M. Upton.

(16) John O. Siegel.

(17) Henry Breault.

(18) Thomas J. Ryan.

(19) George R. Cholister.

(20) Thomas Eadie.

(21) William R. Huber.

(22) William Badders.

(23) James H. McDonald.

(24) John Mihalowski.

(25) Samuel G. Fuqua.

(26) William E. Hall.

(27) Herbert Schonland.

(28) Nathan G. Gordon.

(29) Arthur M. Preston.

(30) Eugene B. Fluckey.

(31) Robert Bush.

(32) Rufus G. Herring.

(33) Franklin J. Pierce.

(34) George L. Street.

(35) George E. Wahlen.

(36) William L. McGonagle.

**SEC. 1089. SENSE OF CONGRESS REGARDING THE SERVICE AND CREW OF THE USS OKLAHOMA CITY.**

(a) FINDINGS.—Congress makes the following findings:

(1) The USS Oklahoma City is a nuclear-powered fast attack submarine named after Oklahoma City, the capital and most populous city in Oklahoma, and is the second ship in the history of the Navy to bear that name.

(2) The motto of the USS Oklahoma City is ''The Sooner, The Better'', which is a testament to both the spirit of the people of Oklahoma City and the readiness of the 140-person crew of the USS Oklahoma City.

(3) The USS Oklahoma City was christened and launched on November 2, 1985, sponsored by Linda M. Nickles, and was commissioned for service on July 9, 1988, with Commander Kevin John Reardon as the first commanding officer of the submarine.

(4) Since the commissioning of the USS Oklahoma City, the USS Oklahoma City has traveled around the globe multiple times and has served in the Mediterranean, the Persian Gulf, the Pacific, and, most recently, Apra Harbor, Guam.

(5) In the aftermath of the April 19, 1995, bombing of the Alfred P. Murrah Federal Building in Oklahoma City, the crew of the USS Oklahoma City donated blood in support of the victims of the deadliest act of home- grown terrorism in the history of the United States, which resulted in the deaths of 168 individuals.

(6) The USS Oklahoma City was the first Navy submarine to transition from navigation using paper charts to an all-electronic navigation suite.

(7) On Friday, May 20, 2022, the inactivation ceremony for the USS Oklahoma City was held in Puget Sound Naval Shipyard to honor nearly 34 years of service.

(8) Throughout the career of the USS Oklahoma City, the USS Oklahoma City supported a range of missions, including anti-surface warfare, anti-submarine warfare, targeted strike missions, and intelligence, surveillance, and reconnaissance missions.

(b) SENSE OF CONGRESS.—Congress recognizes the service of the Los Angeles-class attack submarine the USS Oklahoma City and the crew of the USS Oklahoma City, who served the United States with valor and bravery.

**SEC. 1090. TARGET DATE FOR DEPLOYMENT OF 5G WIRELESS BROADBAND INFRASTRUCTURE AT ALL MILITARY INSTALLATIONS.**

(a) TARGET REQUIRED.—The Secretary of Defense shall—

(1) establish a target date by which the Secretary plans to deploy 5G wireless broadband infrastructure at all military installations; and

(2) establish metrics, which shall be identical for each of the military departments, to measure progress toward reaching the target required by paragraph (1).

(b) ANNUAL REPORT.—The Secretary shall submit to the congressional defense committees and annual report that includes—

(1) the metrics in use pursuant to subsection (a)(2); and

(2) the progress of the Secretary in reaching the target required by subsection (a)(1).

(c) TERMINATION.—No report shall be required under subsection (b) after the date that is five years after the date of the enactment of this Act.

**SEC. 1091. INCLUSION OF AIR FORCE STUDENT PILOTS IN PERSONNEL METRICS FOR ESTABLISHING AND SUSTAINING DINING FACILITIES AT AIR EDUCATION AND TRAINING COMMANDS.**

The Secretary of the Air Force shall revise the personnel metrics with respect to establishing and sustaining dining facilities at Air Education and Training Commands in the United States to include Air Force student pilots.

**SEC. 1092. SENSE OF CONGRESS REGARDING CONDUCT OF INTERNATIONAL NAVAL REVIEW ON JULY 4, 2026.**

(a) FINDING.—Congress finds that July 4, 2026, is the 250th birthday of the United States of America.

(b) SENSE OF CONGRESS.—It is the sense of Congress that the Navy should conduct an international naval review on July 4, 2026.

**SEC. 1093. SENSE OF CONGRESS REGARDING CRISIS AT THE SOUTHWEST BORDER.**

(a) FINDINGS.—Congress makes the following findings:

(1) Noncitizens with criminal convictions are routinely encountered at ports of entry and between ports of entry on the Southwest land border.

(2) Some of the inadmissible individuals encountered on the southwest border are known or suspected terrorists.

(3) Transnational criminal organizations routinely move illicit drugs, counterfeit products, and trafficked humans across the Southwest land border.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the current level of illegal crossings and trafficking on the Southwest border represents a national security threat;

(2) the Department of Defense has rightly contributed personnel to aid the efforts of the United States Government to address the crisis at the Southwest border;

(3) the National Guard and active duty members of the Armed Forces are to be commended for their hard work and dedication in their response to the crisis at the Southwest land border; and

(4) border security is a matter of national security and the failure to address the crisis at the

Southwest border introduces significant risk to the people of the United States.

**SEC. 1094. NATIONAL COMMISSION ON THE FUTURE OF THE NAVY.**

(a) NATIONAL COMMISSION ON THE FUTURE OF THE NAVY.—

(1) ESTABLISHMENT.—There is established the National Commission on the Future of the Navy (in this section referred to as the ''Commission'').

(2) MEMBERSHIP.—

(A) COMPOSITION.—The Commission shall be composed of eight members, of whom—

(i) two shall be appointed by the Chairman of the Committee on Armed Services of the Senate, one of whom shall be a Member of the Senate and one whom shall not be;

(ii) two shall be appointed by the Ranking Member of the Committee on Armed Services of the Senate, one of whom shall be a Member of the Senate and one whom shall not be;

(iii) two shall be appointed by the Chairman of the Committee on Armed Services of the House of Representatives,

one of whom shall be a Member of the House of Representatives and one whom shall not be; and

(iv) two shall be appointed by the Ranking Member of the Committee on Armed Services of the House of Representatives, one of whom shall be a Member of the House of Representatives and one whom shall not be.

(B) APPOINTMENT DATE.—The appointments of the members of the Commission shall be made not later than 90 days after the date of the enactment of this Act.

(C) EFFECT OF LACK OF APPOINTMENT BY APPOINTMENT DATE.—If one or more appointments under subparagraph (A)(i) is not made by the appointment date specified in subparagraph (B), the authority to make such appointment or appointments shall expire, and the number of members of the Commission shall be reduced by the number equal to the number of appointments so not made. If an appointment under subparagraph (A)(ii), (iii), (iv), or (v) is not made by the appointment date specified in subparagraph (B), the authority to make an ap-

pointment under such subparagraph shall expire, and the number of members of the Commission shall be reduced by the number equal to the number otherwise appointable under such subparagraph.

(D) EXPERTISE.—In making appointments under this subsection, consideration should be given to individuals with expertise in naval policy and strategy, naval forces capability, naval nuclear weapons, Naval force structure design, organization, and employment, shipbuilding, and shipbuilding infrastructure.

(3) PERIOD OF APPOINTMENT; VACANCIES.—Members shall be appointed for the life of the Commission. Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner as the original appointment.

(4) CHAIR AND VICE CHAIR.—The Commission shall select a Chair and Vice Chair from among its members.

(5) INITIAL MEETING.—Not later than 30 days after the date on which all members of the Commission have been appointed, the Commission shall hold its initial meeting.

(6) MEETINGS.—The Commission shall meet at the call of the Chair.

(7) QUORUM.—A majority of the members of the Commission shall constitute a quorum, but a lesser number of members may hold hearings.

(b) DUTIES OF THE COMMISSION.—

(1) STUDY ON NAVAL FORCE STRUCTURE.—

(A) IN GENERAL.—The Commission shall undertake a comprehensive study of the structure of the Navy and policy assumptions related to the size and force mixture of the Navy, in order—

(i) to make recommendations on the size and force mixture of ships; and

(ii) to make recommendations on the size and force mixture of naval aviation;

(B) CONSIDERATIONS.—In undertaking the study required by paragraph (1), the Commission shall carry out each of the following:

(i) An evaluation and identification of a structure for the Navy that—

(I) has the depth and scalability to meet current and anticipated requirements of the combatant commands;

(II) assumes three different funding levels of 2023 appropriated plus inflation; 2023 appropriated with 3-5 percent real growth; and unconstrained to meet the needs for war in the area of responsibility of United States Indo-Pacific Command and the area of responsibility of United States European Command;

(III) ensures that the Navy has the capacity needed to support current and anticipated homeland defense and disaster assistance missions in the United States;

(IV) provides for sufficient numbers of members of the Navy to ensure a 115 percent manning level of all deployed ships, similar to United States Special Operations Command;

(V) recommends a peacetime rotation force operational tempo goals;

(VI) recommends forward stationing requirements; and

(VII) manages strategic and operational risk by making tradeoffs

among readiness, efficiency, effectiveness, capability, and affordability.

(ii) An evaluation and identification of combatant command demand and fleet size, including recommendations to support a balance of—

(I) readiness;

(II) training;

(III) routine ship maintenance;

(IV) personnel;

(V) forward presence; and

(VI) depot level ship maintenance.

(iii) A detailed review of the cost of the recapitalization of the Nuclear Triad in the Department of Defense and its effect on the Navy's budget.

(iv) A review of Navy personnel policies and training to determine changes needed across all personnel activities to improve training effectiveness and force tactical readiness and reduce operational stress.

(2) STUDY ON SHIPBUILDING AND INNOVATION.—

(A) IN GENERAL.—The Commission shall conduct a detail study on shipbuilding, shipyards, and integrating advanced information technologies such as augmented reality an artificial intelligence on the current fleet.

(B) CONSIDERATIONS.—In conducting the study required by subparagraph (A), the Commission shall consider the following:

(i) Recommendations for specific changes to the Navy's Shipyard Infrastructure Optimization Program, to include legislative changes to providing a multi-year appropriation; additionally provides recommendations for bringing into the shipyards innovative technology companies as part of the overall modernization effort.

(ii) Recommendations for changes to the ship design and build program, to reduce risk, reduce cost, accelerate build timelines, and takes an incremental approach to change in future ship building.

(iii) Recommendations for changes to the ship depot maintenance program in order to reduce overhaul timelines, inte-

grate current technologies into ships, and reduces costs.

(3) REPORT.—Not later than July 1, 2024, the Commission shall submit to the Committees on Armed Services of the Senate and House of Representatives an unclassified report, with classified annexes if necessary, that includes the findings and conclusions of the Commission as a result of the studies required by paragraphs (1) and (2), together with its recommendations for such legislative actions as the Commission considers appropriate in light of the results of the studies.

(c) POWERS OF THE COMMISSION.—

(1) HEARINGS.—The Commission may hold such hearings, sit and act at such times and places, take such testimony, and receive such evidence as the Commission considers advisable to carry out its duties under this section.

(2) INFORMATION FROM FEDERAL AGENCIES.—The Commission may secure directly from any Federal department or agency such information as the Commission considers necessary to carry out its duties under this section. Upon request of the Chair of the Commission, the head of such department or

agency shall furnish such information to the Commission.

(3) POSTAL SERVICES.—The Commission may use the United States mails in the same manner and under the same conditions as other departments and agencies of the Federal Government.

(d) COMMISSION PERSONNEL MATTERS.—

(1) COMPENSATION OF MEMBERS.—Each member of the Commission who is not an officer or employee of the Federal Government may be compensated at a rate not to exceed the daily equivalent of the annual rate of $155,400 for each day (including travel time) during which such member is engaged in the performance of the duties of the Commission. All members of the Commission who are officers or employees of the United States or Members of Congress shall serve without compensation in addition to that received for their services as officers or employees of the United States.

(2) TRAVEL EXPENSES.—The members of the Commission 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 their homes or regular places of business in the performance of services for the Commission.

(3) STAFF.—

(A) IN GENERAL.—The Chair of the Commission may, without regard to the civil service laws and regulations, appoint and terminate an executive director and such other additional personnel as may be necessary to enable the Commission to perform its duties. The employment of an executive director shall be subject to confirmation by the Commission.

(B) COMPENSATION.—The Chair of the Commission may fix the compensation of the executive director and other personnel without regard to chapter 51 and subchapter III of chapter 53 of title 5, United States Code, relating to classification of positions and General Schedule pay rates, except that the rate of pay for the executive director and other personnel may not exceed the rate payable for level V of the Executive Schedule under section 5316 of such title.

(4) DETAIL OF GOVERNMENT EMPLOYEES.—Any Federal Government employee may be detailed to the Commission without reimbursement, and such

detail shall be without interruption or loss of civil service status or privilege.

(5) PROCUREMENT OF TEMPORARY AND INTERMITTENT SERVICES.—The Chair of the Commission may procure temporary and intermittent services under section 3109(b) of title 5, United States Code, at rates for individuals which do not exceed the daily equivalent of the annual rate of basic pay prescribed for level V of the Executive Schedule under section 5316 of such title.

(e) TERMINATION OF THE COMMISSION.—

(1) IN GENERAL.—The Commission shall terminate on the date that is five years after the date of the enactment of this Act.

(2) INAPPLICABILITY OF TERMINATION REQUIREMENT UNDER FACA.—Section 14 of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the activities of the Commission under this section.

**SEC. 1095. TRANSFER OF AIRCRAFT TO OTHER DEPARTMENTS FOR WILDFIRE SUPPRESSION AND OTHER PURPOSES.**

Section 1098(c)(1) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66) is

amended by inserting ", search and rescue, or emergency operations pertaining to wildfires" after "purposes".

**SEC. 1096. NATIONAL MUSEUM OF INTELLIGENCE AND SPECIAL OPERATIONS.**

(a) RECOGNITION.—The privately-funded museum to honor the intelligence community and special operations forces that is planned to be constructed in Ashburn, Virginia, may be recognized, upon completion, as the "National Museum of Intelligence and Special Operations".

(b) PURPOSES.—The purpose of recognizing the National Museum of Intelligence and Special Operations under subsection (a) are to—

(1) commemorate the members of the intelligence community and special operations forces who have been critical to securing the Nation against enemies of the United States for nearly a century;

(2) preserve and support the historic role that the intelligence community and special operations forces have played, and continue to play, both in secrecy as well as openly, to keep the United States and its values and way of life secure; and

(3) foster a greater understanding of the intelligence community and special operations forces to ensure a common understanding, dispel myths, recognize those who are not otherwise able to be pub-

licly recognized, and increase science, technology, engineering, and math education through museum programs designed to promote more interest and greater diversity in recruiting with respect to the intelligence and special operations career field.

# TITLE XI—CIVILIAN PERSONNEL MATTERS

**SEC. 1101. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE ANNUAL LIMITATION ON PREMIUM PAY AND AGGREGATE LIMITATION ON PAY FOR FEDERAL CIVILIAN EMPLOYEES WORKING OVERSEAS.**

Subsection (a) of section 1101 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4615), as most recently amended by section 1112 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81), is further amended by striking ''through 2022'' and inserting ''through 2023''.

**SEC. 1102. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.**

Paragraph (2) of section 1603(a) of the Emergency Supplemental Appropriations Act for Defense, the Global

War on Terror, and Hurricane Recovery, 2006 (Public Law 109–234; 120 Stat. 443), as added by section 1102 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4616) and as most recently amended by section 1114 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81), is further amended by striking ''2023'' and inserting ''2024''.

**SEC. 1103. STANDARDIZED CREDENTIALS FOR LAW ENFORCEMENT OFFICERS OF THE DEPARTMENT OF DEFENSE.**

(a) STANDARDIZED CREDENTIALS REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall—

(1) develop a standardized identification credential for Defense law enforcement officers;

(2) issue such credential to each such officer at no cost to such officer; and

(3) ensure that any Department of Defense common access card issued to such an officer clearly identifies the officer as a Defense law enforcement officer.

(b) DEFENSE LAW ENFORCEMENT OFFICER DEFINED.—In this section, the term ''Defense law enforce-

ment officer'' means a member of the Armed Forces or civilian employee of the Department of Defense who—

(1) is authorized by law to engage in or supervise the prevention, detection, investigation, or prosecution of, or the incarceration of any person for, any violation of law;

(2) has statutory powers of arrest or apprehension under section 807(b) of title 10, United States Code (article 7(b) of the Uniform Code of Military Justice); and

(3) is authorized by the Department to carry a firearm.

**SEC. 1104. TEMPORARY EXTENSION OF AUTHORITY TO PROVIDE SECURITY FOR FORMER DEPARTMENT OF DEFENSE OFFICIALS.**

During the period beginning on the date of enactment of this Act and ending on January 1, 2024, subsection (b) of section 714 of title 10, United States Code, shall be applied—

(1) in paragraph (1)(A), by substituting ''a serious and credible threat'' for ''an imminent and credible threat'';

(2) in paragraph (2)(B), by substituting ''three years'' for ''two years''; and

(3) in paragraph (6)(A), by substituting—

(A) ''congressional leadership and the congressional defense committees'' for ''the congressional defense committees''; and

(B) by substituting ''the justification for such determination, scope of the protection, and the anticipated cost and duration of such protection'' for ''the justification for such determination''.

**SEC. 1105. INCREASE IN POSITIONS ELIGIBLE FOR ENHANCED PAY AUTHORITY FOR CERTAIN RESEARCH AND TECHNOLOGY POSITIONS IN SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES.**

(a) IN GENERAL.—Section 4094(e)(2) of title 10, United States Code, is amended by striking ''five'' and inserting ''ten''.

(b) APPLICATION.—The amendment made by subsection (a) shall take effect immediately after section 851(a).

**SEC. 1106. GAO REPORT ON FEDERAL EMPLOYEE PAID LEAVE ACT.**

(a) IN GENERAL.—Not later than January 1, 2024, the Comptroller General shall submit, to the Committee on Armed Services and the Committee on Oversight and Reform of the House of Representatives, a report on the

implementation of the Federal Employee Paid Leave Act (subtitle A of title LXXVI of division F of Public Law 116–92), the Paid Parental Leave Technical Corrections Act of 2020 (section 1103 of Public Law 116–283, and the amendments made by such Acts.

(b) CONTENTS.—The report under subsection (a) shall review, assess, and provide recommendations, as appropriate, on the following:

(1) Any data collected or used by the Office of Personnel Management on the use of paid parental leave provided by such Acts and the amendments made by such Acts.

(2) Office of Personnel Management and Federal agencies' efforts to make employees aware of paid parental leave under such Acts and the amendments made by such Acts, address any obstacles to the use of paid parental leave, and monitor the impact of such Acts and the amendments made by such Acts on hiring, recruitment, and retention of employees.

**SEC. 1107. INFLATION BONUS PAY FOR CERTAIN DEPARTMENT OF DEFENSE CIVILIAN EMPLOYEES.**

(a) GENERAL SCHEDULE AND OTHER EMPLOYEES.—

(1) BONUS.—On the first day of the first pay period beginning on or after January 1, 2023, and on the first day of each of the months of February through December in calendar year 2023, the Secretary of Defense shall pay a bonus to each civilian employee of the Department of Defense who—

(A) is under the General Schedule and has an annual rate of basic pay equal to $45,000 or less; or

(B) is within the civil service (as that term is defined in section 2101 of title 5, United States Code), is not under the General Schedule or the Federal Wage System, and has an annual rate of basic pay equal to $45,000 or less.

(2) AMOUNT.—The monthly bonus paid under paragraph (1) to an employee shall be in an amount equal to 2.4 percent of the annual rate of basic pay in effect for such employee on the first day of such pay period.

(b) FEDERAL WAGE SYSTEM EMPLOYEES.—

(1) BONUS.—On the first day that the wage survey adjustment for fiscal year 2023 takes effect in October of that fiscal year, and on and the first day of each of the months of November through September of such fiscal year, the Secretary of De-

fense shall pay a bonus to each civilian employee of the Department of Defense who—

(A) is a prevailing rate employee under the Federal Wage System; and

(B) has an annual rate of basic pay equal to $45,000 or less.

(2) AMOUNT.—The monthly bonus paid under paragraph (1) to an employee shall be in an amount equal to 2.4 percent of the annual rate of basic pay in effect for such employee on the first day that such adjustment takes effect.

(c) LIMITATIONS.—A bonus under subsection (a) or (b)—

(1) may not be paid after December 1, 2023, or September 1, 2023, respectively; and

(2) shall not be considered to be basic pay of an employee for any purpose.

**SEC. 1108. FLEXIBLE WORKPLACE PROGRAMS.**

Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall ensure that each Secretary of a military department modifies any guidance relating to flexible workplace programs to ensure that maximum practicable flexibility is allowed to permit employees to perform all or a portion of the duties of such employees—

(1) at a telecommuting center established pursuant to statute; or

(2) through the use of flexible workplace services agreements.

# TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

## Subtitle A—Assistance and Training

### SEC. 1201. MODIFICATIONS TO ANNUAL REPORTS ON SECURITY COOPERATION.

(a) DEFENSE INSTITUTION CAPACITY BUILDING.—Section 332(b)(2) of title 10, United States Code, is amended—

(1) by striking ''quarter'' each place it appears; and

(2) by striking ''Each fiscal year'' and inserting ''Not later than February 1 of each year''.

(b) ANNUAL REPORT ON SECURITY COOPERATION ACTIVITIES.—Section 386 of title 10, United States Code, is amended to read as follows:

**''§ 386. Annual report**

''(a) ANNUAL REPORT REQUIRED.—Not later than March 31 of each year, the Secretary of Defense shall submit to the appropriate congressional committees a report that sets forth, on a country-by-country basis, an overview

of security cooperation activities carried out by the Department of Defense during the fiscal year preceding the fiscal year in which such report is submitted, pursuant to one or more of the authorities listed in subsection (b).

''(b) ELEMENTS OF REPORT.—Each report required under subsection (a) shall include, with respect to each country and for the entirety of the period covered by such report, the following:

''(1) A narrative summary that provides a—

''(A) brief overview of the primary security cooperation objectives for the activities encompassed by the report; and

''(B) a description of how such activities advance the theater security cooperation strategy of the relevant geographic combatant command.

''(2) A table that includes an aggregated amount with respect to each of the following:

''(A) With respect to amounts made available for section 332(a) of this title, the Department of Defense cost to provide any Department personnel as advisors to a ministry of defense.

''(B) With respect to amounts made available for section 332(b) of this title, the Depart-

ment of Defense incremental execution costs to conduct activities under such section.

''(C) With respect to section 333 of this title, the value of all programs for which notice is required by such section.

''(D) With respect to amounts made available for section 341 of this title, the Department of Defense manpower and travel costs to conduct bi-lateral state partnership program engagements with the partner country.

''(E) With respect to amounts made available for section 342 of this title, the Department of Defense-funded, foreign-partner travel costs to attend a regional center activity that began during the period of the report.

''(F) With respect to amounts made available for section 345 of this title, the estimated Department of Defense execution cost to complete all training that began during the period of the report.

''(G) With respect to amounts made available for section 2561 of this title, the planned execution cost of completing humanitarian assistance activities for the partner country that were approved for the period of the report.

''(3) A table that includes aggregated totals for each of the following:

''(A) Pursuant to section 311 of this title, the number of personnel from a partner country assigned to a Department of Defense organization.

''(B) Pursuant to section 332(a) of this title, the number of Department of Defense personnel assigned as advisors to a ministry of defense.

''(C) Pursuant to section 332(b) of this title, the number of activities conducted by the Department of Defense.

''(D) The number of new programs carried out during the period of the report that required notice under section 333 of this title.

''(E) With respect to section 341 of this title, the number of Department of Defense bilateral state partnership program engagements with the partner country that began during the period of the report.

''(F) With respect to section 342 of this title, the number of partner country officials who participated in regional center activity that began during the period of the report.

''(G) Pursuant to the authorities under sections 343, 345, 348, 349, 350 and 352 of this title, the total number of partner country personnel who began training during the period of the report.

''(H) Pursuant to section 347 of this title, the number of cadets from the partner country that were enrolled in the Service Academies during the period of the report.

''(I) Pursuant to amounts made available to carry out section 2561 of this title, the number of new humanitarian assistance projects funded through the Overseas Humanitarian Disaster and Civic Aid account that were approved during the period of the required report.

''(4) A table that includes the following:

''(A) For each person from the partner country assigned to a Department of Defense organization pursuant to section 311 of this title—

''(i) whether the person is a member of the armed forces or a civilian;

''(ii) the rank of the person (if applicable); and

''(iii) the component of the Department of Defense and location to which such person is assigned.

''(B) With respect to each civilian employee of the Department of Defense or member of the armed forces that was assigned, pursuant to section 332(a) of this title, as an advisor to a ministry of defense during the period of the report, a description of the object of the Department of Defense for such support and the name of the ministry or regional organization to which the employee or member was assigned.

''(C) With respect to each activity commenced under section 332(b) of this title during the period of the report—

''(i) the name of the supported ministry or regional organization;

''(ii) the component of the Department of Defense that conducted the activity;

''(iii) the duration of the activity; and

''(iv) a description of the objective of the activity.

''(D) For each program that required notice to Congress under section 333 of this title during the period of the report—

''(i) the units of the national security forces of the foreign country to which assistance was provided;

''(ii) the type of operational capability assisted;

''(iii) a description of the nature of the assistance being provided; and

''(iv) the estimated cost included in the notice provided for such assistance.

''(E) With respect to each activity commenced under section 341 of this title during the period of the report—

''(i) a description of the activity;

''(ii) the duration of the activity;

''(iii) the number of participating members of the National Guard; and

''(iv) the number of participating personnel of the foreign country.

''(F) With respect to each activity of a Regional Center for Security Studies commenced under section 342 of this title during the period of the report—

''(i) a description of the activity;

''(ii) the name of the Regional Center that sponsored the activity;

''(iii) the location and duration of the training; and

''(iv) the number of officials from the foreign country who participated in the activity.

''(G) With respect to each training event that commenced under section 343, 345, 348, 349, 350, or 352 of this title during the period of the report—

''(i) a description of the training;

''(ii) the location and duration of the training; and

''(iii) the number of personnel of the foreign country trained.

''(H) With respect to each new project approved under section 2561 of this title during the period of the report and funded through the Overseas Humanitarian Disaster and Civic Aid account—

''(i) the title of the project;

''(ii) a description of the assistance to be provided; and

''(iii) the anticipated cost to provide such assistance.''.

**SEC. 1202. MODIFICATION TO AUTHORITY TO PROVIDE SUPPORT FOR CONDUCT OF OPERATIONS.**

Notwithstanding subsection (g)(1) of section 331 of title 10, United States Code, the aggregate value of all logistic support, supplies, and services provided under paragraphs (1), (4), and (5) of subsection (c) of such section 331 in each of fiscal years 2023 and 2024 may not exceed $950,000,000.

**SEC. 1203. EXTENSION AND MODIFICATION OF AUTHORITY FOR REIMBURSEMENT OF CERTAIN COALITION NATIONS FOR SUPPORT PROVIDED TO UNITED STATES MILITARY OPERATIONS.**

Section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 393) is amended—

(1) in subsection (a), by striking ''for the period beginning on October 1, 2021, and ending on December 31, 2022'' and inserting ''for the period beginning on October 1, 2022, and ending on December 31, 2023''; and

(2) in subsection (d)—

(A) by striking ''during the period beginning on October 1, 2021, and ending on De-

cember 31, 2022'' and inserting ''during the period beginning on October 1, 2022, and ending on December 31, 2023''; and

(B) by striking ''$60,000,000'' and inserting ''$30,000,000''.

**SEC. 1204. MODIFICATION TO AUTHORITY TO BUILD CAPACITY OF FOREIGN SECURITY FORCES.**

Subsection (a) of section 333 of title 10, United States Code, is amended—

(1) in paragraph (3), by inserting ''or other counter-illicit trafficking operations'' before the period at the end; and

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

''(10) Operations or activities that maintain or enhance the climate resilience of military or security infrastructure supporting security cooperation programs under this section.''.

**SEC. 1205. PUBLIC REPORT ON MILITARY CAPABILITIES OF CHINA, IRAN, NORTH KOREA, AND RUSSIA.**

(a) PUBLIC REPORT ON MILITARY CAPABILITIES OF COVERED COUNTRIES.—Chapter 23 of title 10, United States Code, is amended by inserting after section 486 the following new section:

**"§ 487. Public report on military capabilities of covered countries**

''(a) ANNUAL REPORT.—Not later than January 30 of each year through 2027, the Secretary of Defense, in consultation with the Director of National Intelligence, shall make publicly available on the internet website of the Department of Defense a report on the military capabilities of each covered country.

''(b) MATTERS INCLUDED.—Each report under subsection (a) shall include, with respect to each covered country—

''(1) an assessment of the grand strategy, security strategy, and military strategy, including the goals and trends of such strategies;

''(2) an estimate of the funds spent annually on developing conventional forces, unconventional forces, and nuclear and missile forces;

''(3) an assessment of the size and capabilities of the conventional forces;

''(4) an assessment of the size and capability of the unconventional forces and related activities;

''(5) with respect to the forces described in subsection (d)(3)(B), an assessment of the types and amount of support, including—

''(A) lethal and non-lethal supplies; and

''(B) training provided; and

''(6) an assessment of the capabilities of the nuclear and missile forces and related activities, including—

''(A) the nuclear weapon capabilities;

''(B) the ballistic missile forces; and

''(C) the development of the nuclear and missile forces since the preceding year.

''(c) FORM.—Each report under subsection (a) shall be made available in unclassified form, consistent with the protection of intelligence sources and methods.

''(d) NONDUPLICATION OF EFFORTS.—The Secretary of Defense may use or add to any existing reports completed by the Secretary of Defense or Director of National Intelligence to respond to the reporting requirement under subsection (a).

''(e) DEFINITIONS.—In this section:

''(1) The term 'conventional forces' means, with respect to a covered country, military forces designed to conduct operations in sea, air, space, cyberspace, the electromagnetic spectrum, or land, other than unconventional forces, ballistic forces, and cruise missile forces.

''(2) The term 'covered country' means each of the following:

''(A) China.

''(B) Iran.

''(C) North Korea.

''(D) Russia.

''(3) The term 'unconventional forces', with respect to a covered country—

''(A) means forces that carry out missions typically associated with special operations forces; and

''(B) includes any organization that—

''(i) has been designated by the Secretary of State as a foreign terrorist organization under section 219 of the Immigration and Nationality Act (8 U.S.C. 1189); or

''(ii) has been assessed by the Secretary of Defense as being willing to act under the control or at the direction of such covered country.''.

(b) CLERICAL AMENDMENT.—The table of contents for chapter 23 of title 10, United States Code, is amended by inserting after the item related to section 486 the following item:

''487. Public report on military capabilities of covered countries.''.

**SEC. 1206. SECURITY COOPERATION PROGRAMS WITH FOREIGN PARTNERS TO ADVANCE WOMEN, PEACE, AND SECURITY.**

(a) IN GENERAL.—Subchapter V of chapter 16 of title 10, United States Code, is amended by adding at the end the following new section:

**"§ 353. Women, peace, and security programs**

''(a) IN GENERAL.—The Secretary of Defense, with the concurrence of the Secretary of State, may conduct or support security cooperation programs and activities involving the national military or national-level security forces of a foreign country or other covered personnel to advise, train, and educate such forces or such other covered personnel with respect to—

''(1) the recruitment, employment, development, retention, promotion, and meaningful participation in decision making of women and underrepresented groups;

''(2) sexual harassment, sexual assault, domestic abuse, and other forms of sexual and gender-based violence that disproportionately impact women and underrepresented groups;

''(3) the integration of gender analysis into security sector policy, planning, exercises, and training;

''(4) the requirements of women and underrepresented groups, including providing appropriate gender sensitive equipment and facilities;

''(5) the development of educational curriculum on women, peace, and security within professional military education programming and other security forces training;

''(6) the establishment, training, and development of gender advisory workforces within women, peace, and security programs; and

''(7) the implementation of activities described in this subsection.

''(b) PAYMENT OF EXPENSES FOR ADVANCEMENT OF OBJECTIVES.—The Secretary of Defense may pay for the travel, transportation, and subsistence expenses of national military and national-level security forces of a foreign country or other covered personnel that the Secretary considers necessary for the advancement of the objectives of this section.

''(c) OTHER COVERED PERSONNEL DEFINED.—In this section, the term 'other covered personnel' means personnel of—

''(1) the ministry of defense, or a governmental entity with a similar function, of a foreign country;

''(2) a regional organization with a security mission;

''(3) personnel of a friendly foreign government other than personnel of national security forces; or

''(4) personnel of a non-governmental organization.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of title 10, United States Code, is amended by adding at the end the following new item:

''353. Women, peace, and security programs.''.

(c) WOMEN, PEACE, AND SECURITY CURRICULA FOR PRE-COMMISSIONING EDUCATION PROGRAMS AND JOINT PROFESSIONAL MILITARY EDUCATION.—

(1) INTEGRATION OF WOMEN, PEACE, AND SECURITY CURRICULA.—The Secretary of Defense shall develop a plan to incorporate women, peace, and security studies as a component of the core curricula of pre-commissioning education programs and joint professional military education programs to further implementation of the Women, Peace, and Security Act of 2017 (Public Law 115–68; 22 U.S.C. 2151 note), including an analysis of the resources needed to develop a standardized women, peace, and security curriculum.

(2) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report detailing the plan developed under paragraph (1).

(3) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall brief the appropriate congressional committees on the report under paragraph (2) detailing the plan developed under paragraph (1).

(4) DEFINITIONS.—In this subsection:

(A) 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.

(B) The term ''joint professional military education program'' means a program or course of instruction established pursuant to a provision of chapter 107 of title 10, United States Code.

(C) The term ''pre-commissioning education program'' means a program or course of instruction established for—

(i) the United States Military Academy;

(ii) the United States Naval Academy; or

(iii) the United States Air Force Academy.

(d) PLAN FOR DEVELOPMENT AND MANAGEMENT OF GENDER ADVISOR WORKFORCE.—

(1) PLAN REQUIRED.—The Secretary of Defense shall develop and implement a plan to standardize the role and duties of the gender advisor workforce of the Department of Defense responsible for supporting the implementation of the Women, Peace, and Security Act of 2017 (Public Law 115–68; 22 U.S.C. 2151 note).

(2) ELEMENTS.—The plan required by paragraph (1) shall consist of such elements relating to the development and management of the gender advisor workforce, including an assessment of—

(A) the funds, resources, and authorities needed to establish and develop the gender advisor role into a full-time, billeted, and resourced

position across organizations within the Department of Defense, including the military departments, Armed Forces, the combatant commands, and defense agencies and field activities;

(B) the actions the Secretary will take to develop and standardize position descriptions of the gender advisor workforce, including gender advisors and gender focal points, across organizations within the Department;

(C) the Department's existing training programs for gender advisors and gender focal points, including the creation and funding of a credentialing program for gender advisors to foster the development of a professionalized cadre of gender advisors.

(D) a self-assessment of the Department's progress in implementing a fully trained cadre of gender advisors appropriately placed within the Department and a plan to address any gaps or deficiencies; and

(E) the actions the Secretary will carry out for incorporating the total amount of expenditures and proposed appropriations necessary to support the program, projects, and activities of

the gender advisor workforce into future years defense program submissions to Congress.

(3) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report detailing the Secretary's progress in implementing the plan required by paragraph (1).

(4) DEFINITIONS.—In this subsection—

(A) 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; and

(B) the term ''gender advisor workforce'' means all gender advisors and gender focal points across the Department of Defense.

# Subtitle B—Matters Relating to Afghanistan and Pakistan

**SEC. 1211. EXTENSION AND MODIFICATION OF THE AFGHAN SPECIAL IMMIGRANT VISA PROGRAM.**

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 ''2022'' and inserting ''2023''; and

(2) in clause (ii), by striking ''2023'' and inserting ''2024''.

**SEC. 1212. ADDITIONAL MATTERS FOR INCLUSION IN REPORTS ON OVERSIGHT IN AFGHANISTAN.**

Section 1069(a) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1912) is amended—

(1) by redesignating paragraphs (9) through (16) as paragraphs (12) through (19), respectively;

(2) by inserting after paragraph (8) the following new paragraphs:

''(9) An assessment of the status of—

''(A) defense intelligence assets dedicated to Afghanistan; and

''(B) the ability of the United States to detect emerging threats emanating from Afghani-

stan against the United States and former coalition partners.

''(10) An assessment of local or indigenous counterterrorism partners of the Department of Defense.

''(11) An assessment of risks to the mission and risks to United States personnel involved in over-the-horizon counterterrorism options.''; and

(3) in paragraph (16), as so redesignated, by striking ''Afganistan'' and inserting ''Afghanistan''.

**SEC. 1213. PROHIBITION ON TRANSPORTING CURRENCY TO THE TALIBAN AND THE ISLAMIC EMIRATE OF AFGHANISTAN.**

None of the amounts authorized to be appropriated by this Act or otherwise made available to the Department of Defense may be made available for the operation of any aircraft of the Department of Defense to transport currency or other items of value to the Taliban, the Islamic Emirate of Afghanistan, or any subsidiary, agent, or instrumentality of either the Taliban or the Islamic Emirate of Afghanistan.

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

**SEC. 1221. EXTENSION OF AUTHORITY TO PROVIDE ASSISTANCE TO VETTED SYRIAN GROUPS AND INDIVIDUALS.**

(a) IN GENERAL.—Subsection (a) of section 1209 of the Carl Levin and Howard P. ''Buck'' McKeon National Defense Authorization Act of Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3451) is amended by striking ''December 31, 2022'' and inserting ''December 31, 2023''.

(b) EXTENSION OF WAIVER AUTHORITY.—Subsection (l)(3)(D) of such section is amended by striking ''December 31, 2022'' and inserting ''December 31, 2023''.

**SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.**

(a) IN GENERAL.—Subsection (a) of section 1236 of the Carl Levin and Howard P. ''Buck'' McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3558) is amended by striking ''December 31, 2022'' and inserting ''December 31, 2023''.

(b) FUNDING.—Subsection (g) of such section is amended—

(1) by striking ''fiscal year 2022'' and inserting ''fiscal year 2023''; and

(2) by striking ''$322,500,000'' and inserting ''$358,015,000''.

(c) EXTENSION OF WAIVER AUTHORITY.—Subsection (o)(5) of such section is amended by striking ''December 31, 2022'' and inserting ''December 31, 2023''.

(d) LIMITATION ON AVAILABILITY OF FUNDS.—Of the amount of funds made available for fiscal year 2022 (and available for obligation as of the date of the enactment of this Act) and fiscal year 2023 to carry out section 1236 of the Carl Levin and Howard P. ''Buck'' McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291; 128 Stat. 3558), not more than 50 percent may be obligated or expended until the date on which the Secretary of Defense submits to the appropriate congressional committees the report required by section 1223(f) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81).

**SEC. 1223. EXTENSION OF AUTHORITY TO SUPPORT OPERATIONS AND ACTIVITIES OF THE OFFICE OF SECURITY COOPERATION IN IRAQ.**

(a) SOURCE OF FUNDS.—Subsection (d) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) is amended by striking ''fiscal year 2022'' and inserting ''fiscal year 2023''.

(b) LIMITATION ON AVAILABILITY OF FUNDS.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Office of the Secretary of the Army, the Office of the Secretary of the Navy, and the Office of the Secretary of the Air Force for travel expenses, not more than 65 percent may be obligated or expended until the date on which a staffing plan for the Office of Security Cooperation in Iraq is completed.

**SEC. 1224. EXTENSION AND MODIFICATION OF REPORT ON THE MILITARY CAPABILITIES OF IRAN AND RELATED ACTIVITIES.**

Subsection (a) of section 1227 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1972) is amended—

(1) in the matter preceding paragraph (1)—

(A) by inserting ''and annually thereafter for 1 year'' after ''enactment of this Act''; and

(B) by inserting ", consistent with the protection of intelligence sources and methods," after "Director of National Intelligence"; and

(2) in paragraph (1)(D), by inserting "Hamas, Palestinian Islamic Jihad, Popular Front for the Liberation of Palestine," after "Lebanese Hezbollah,".

**SEC. 1225. PROHIBITION ON TRANSFERS TO IRAN.**

None of the amounts authorized to be appropriated by this Act or otherwise made available to the Department of Defense may be made available to transfer or facilitate a transfer of pallets of currency, currency, or other items of value to the Government of Iran, any subsidiary of such Government, or any agent or instrumentality of Iran.

# Subtitle D—Matters Relating to Russia

**SEC. 1231. EXTENSION OF LIMITATION ON MILITARY COOPERATION BETWEEN THE UNITED STATES AND RUSSIA.**

Section 1232(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2488), is amended by striking "2021, or 2022" and inserting "2021, 2022, or 2023".

**SEC. 1232. MODIFICATION AND EXTENSION OF UKRAINE SECURITY ASSISTANCE INITIATIVE.**

(a) AUTHORITY TO PROVIDE ASSISTANCE.—Subsection (a) of section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1068) is amended by inserting ''salaries and stipends, and sustainment'' after ''supplies and services,''.

(b) AVAILABILITY OF FUNDS.—Subsection (c) of such section is amended—

(1) in paragraph (1), by striking ''funds available for fiscal year 2022 pursuant to subsection (f)(7)'' and inserting ''funds available for fiscal year 2023 pursuant to subsection (f)(8)'';

(2) in paragraph (3), by striking ''fiscal year 2022'' and inserting ''fiscal year 2023'';

(3) in paragraph (5), by striking ''Of the funds available for fiscal year 2022 pursuant to subsection (f)(7)'' and inserting ''Of the funds available for fiscal year 2023 pursuant to subsection (f)(8)''; and

(4) by adding at the end the following:

''(6) WAIVER OF CERTIFICATION REQUIREMENT.—The Secretary of Defense may waive the certification requirement in paragraph (2) if the Secretary submits to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the

House of Representatives a written certification, not later than 5 days of exercising the waiver, that doing so is in the national interest of the United States due to exigent circumstances caused by the Russian invasion of Ukraine.''.

(c) UNITED STATES INVENTORY AND OTHER SOURCES.—Subsection (d) of such section is amended—

(1) in paragraph (1), by inserting '', and to recover or dispose of such weapons or other defense articles, or to make available such weapons or articles to ally and partner governments to replenish comparable stocks which ally or partner governments have provided to the Government of Ukraine,'' after ''and defense services''; and

(2) by adding at the end the following:

''(3) CONGRESSIONAL NOTIFICATION.—Not later than 10 days before providing replenishment to an ally or partner government pursuant to paragraph (1), the Secretary of Defense shall transmit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a notification containing the following:

''(A) An identification of the recipient foreign country.

''(B) A detailed description of the articles to be provided, including the amount, dollar value, origin, and capabilities associated with the articles.

''(C) A detailed description of the articles provided to Ukraine to be replenished, including the amount, dollar value, origin, and capabilities associated with the articles.

''(D) The impact on United States stocks and readiness of transferring the articles.

''(E) An assessment of any security, intellectual property, or end use monitoring issues associated with transferring the articles.

''(F) A description, including relevant dollar value amounts, of the articles provided to Ukraine by the recipient country which are being replenished.

''(G) A certification that the transfer of the articles in the national security interest of the United States, and a justification for that determination.''.

(d) FUNDING.—Subsection (f) of such section is amended by adding at the end the following:

''(8) For fiscal year 2023, $1,000,000,000.''.

(e) TERMINATION OF AUTHORITY.—Subsection (h) of such section is amended by striking ''December 31, 2023'' and inserting ''December 31, 2024''.

(f) WAIVER OF CERTIFICATION REQUIREMENT.—Such section is amended—

(1) by redesignating the second subsection (g) as subsection (i); and

(2) by adding at the end the following:

''(j) EXPEDITED NOTIFICATION REQUIREMENT.—Not later than 15 days before providing assistance or support under subsection (a), or as far in advance as is practicable if the Secretary of Defense determines, on a case-by-case basis, that extraordinary circumstances exist that impact the national security of the United States, the Secretary shall transmit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a notification containing a detailed description of the assistance or support to be provided, including—

''(1) the objectives of such assistance or support;

''(2) the budget for such assistance or support; and

''(3) the expected or estimated timeline for delivery of such assistance or support.''.

**SEC. 1233. PROHIBITION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF RUSSIA OVER CRIMEA.**

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of Russia 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 Committee on Armed Services and the Committee on Foreign Relations of the Senate.

**SEC. 1234. ASSESSMENT OF RUSSIAN STRATEGY IN UKRAINE.**

(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 appropriate congressional committees an assessment of the strategic, operational, and organizational strengths and weaknesses of the Russian Federation's military strategy for the invasion and occupation of Ukraine, including an assessment of efforts and sources of leverage that could be used to exploit the weaknesses in that strategy as part of the effort to provide assistance to Ukraine.

(b) MATTERS TO BE INCLUDED.—The assessment of Russia's military strategy required by subsection (a) shall include at a minimum a description of the following:

(1) Strategic strengths and weaknesses.

(2) Operational strengths and weaknesses.

(3) Organizational and logistical strengths and weaknesses.

(4) Strengths and weaknesses related to Russian employment of Russia's Federal Security Service (FSB), national guard, and reserve units.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees;

(2) the Permanent Select Committee on Intelligence and the Committee on Foreign Affairs of the House of Representatives; and

(3) the Select Committee on Intelligence and the Committee on Foreign Relations of the Senate.

(d) MODIFICATION TO ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE RUSSIAN FEDERATION.—Section 1234 of the National Defense Authorization Act for Fiscal Year 2021 (134 Stat. 3936) is amended—

(1) in subsection (b)—

(A) by redesignating paragraph (24) as paragraph (25); and

(B) by inserting after paragraph (23) the following:

''(24) The impacts of United States sanctions on improvements to the Russian military and its proxies, including an assessment of the impacts of the maintenance or revocation of such sanctions.''; and

(2) in subsection (e)—

(A) in paragraph (1), by inserting '', the Permanent Select Committee on Intelligence,'' after ''the Committee on Armed Services''; and

(B) in paragraph (2), by inserting ", the Select Committee on Intelligence," after "the Committee on Armed Services".

**SEC. 1235. REPORT ON EFFORTS BY THE RUSSIAN FEDERATION TO EXPAND ITS PRESENCE AND INFLUENCE IN LATIN AMERICA AND THE CARIBBEAN.**

(a) REPORT.—Not later than June 30, 2023, the Secretary of State, in coordination with the Secretary of Defense and the Director of National Intelligence and in consultation with the heads of other appropriate Federal departments and agencies, as necessary, shall submit to the appropriate congressional committees a report that identifies efforts by the Government of the Russian Federation to expand its presence and influence in Latin America and the Caribbean through diplomatic, military, intelligence, and other means, and describes the implications of such efforts on the national defense and security interests of the United States.

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

(1) An identification of—

(A) the countries of Latin America and the Caribbean with which the Government of the Russian Federation maintains especially close

diplomatic, military, and intelligence relationships;

(B) the number and content of strategic partnership agreements or similar agreements, including any non-public, secret, or informal agreements, that the Government of the Russian Federation has established with countries and regional organizations of Latin America and the Caribbean;

(C) the countries of Latin America and the Caribbean to which the Government of the Russian Federation provides foreign assistance or disaster relief (including access to COVID–19 vaccines), including a description of the amount and purpose of, and any conditions attached to, such assistance;

(D) recent visits by senior officials of the Government of the Russian Federation, including its state-owned or state-directed enterprises, to Latin America and the Caribbean, and visits by senior officials from Latin America and the Caribbean to the Russian Federation; and

(E) the existence of any defense exchanges, military or police education or training, and exercises between any military or police organiza-

tion of the Government of the Russian Federation and military, police, or security-oriented organizations of countries of Latin America and the Caribbean, including port visits by the Russian Navy.

(2) A detailed description of—

(A) the impact Russia's war in Ukraine has or may have on its diplomatic, military, and intelligence activities in Latin America and the Caribbean;

(B) the relationship between the Government of the Russian Federation and the Governments of Venezuela, Cuba, Nicaragua, and Bolivia;

(C) attempts by the Government of the Russian Federation to develop relations with the Governments of Brazil and Argentina, two countries whose leaders met with Russian President Vladimir Putin in Moscow shortly before the invasion of Ukraine;

(D) military installations, assets, and activities of the Government of the Russian Federation in Latin America and the Caribbean that currently exist or are planned for the future, including the size, location, and purpose of

any deployed Russian Federation Armed Forces or security contractors associated with the Russian Federation;

(E) the purpose of and operations emanating from the Russian Federation's operations center in Managua, Nicaragua;

(F) the Russian Federation's subversion of United States sanctions on Venezuela's oil sector;

(G) the Russian Federation's involvement in the border dispute between Venezuela and Guyana;

(H) sales or transfers of defense articles and services by the Russian Federation to countries of Latin America and the Caribbean;

(I) any other form of military or security cooperation or assistance between the Government of the Russian Federation or its associated paramilitary organizations, and paramilitary organizations and countries in Latin America and the Caribbean;

(J) the nature, extent, and purpose of the Government of the Russian Federation's intelligence activities in Latin America and the Caribbean;

(K) the role of the Government of the Russian Federation in transnational crime in Latin America and the Caribbean, including drug trafficking, money laundering, and organized crime;

(L) the methods by which the Government of the Russian Federation expands its influence through support to transnational criminal organizations in Latin America and the Caribbean; and

(M) efforts by the Government of the Russian Federation to build its media presence through government-directed disinformation, misinformation, or information warfare campaigns in Latin America and the Caribbean, including attempts to influence electoral outcomes, realize military objectives, or destabilize governments.

(3) An assessment of—

(A) the specific objectives that the Government of the Russian Federation seeks to achieve by expanding its presence and influence in Latin America and the Caribbean, including any objectives articulated in official documents or statements;

(B) the degree to which the Government of the Russian Federation uses its presence and influence in Latin America and the Caribbean to encourage, pressure, or coerce governments in the region to support its defense and national security goals, including policy positions taken by the Government of the Russian Federation at international institutions;

(C) how the Russian Federation uses multilateral organizations, in particular the Community of Latin American and Caribbean States (CELAC), a regional organization that excludes the United States, to expand its presence and influence in Latin America and the Caribbean; and

(D) the specific actions and activities undertaken by the Government of the Russian Federation in Latin America and the Caribbean that present the greatest threats or challenges to the United States' defense and national security interests in the region.

(4) Any other matters the Secretary of State determines is appropriate.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form without any des-

ignation relating to dissemination control, but may include a classified annex. The report and its classified annex shall be prepared consistent with the protection of intelligence sources and methods.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations and the Select Committee on Intelligence of the Senate and the Committee on Foreign Affairs and the Permanent Select Committee on Intelligence of the House of Representatives.

# Subtitle E—Matters Relating to Europe and NATO

**SEC. 1261. SENSE OF CONGRESS ON UNITED STATES DEFENSE POSTURE IN EUROPE FOLLOWING THE FURTHER INVASION OF UKRAINE.**

It is the sense of Congress as follows:

(1) The further invasion of Ukraine presents a sea change to the security environment in Europe that requires a long-term shift in the force posture of the United States and its allies, in order to ensure the maintenance of collective deterrence. As General Milley, Chairman of the Joint Chiefs, recently noted,

''We are witness to the greatest threat to peace and security of Europe and perhaps the world in my 42 years of service in uniform. The Russian invasion of Ukraine is threatening to undermine not only European peace and stability but global peace and stability. . . . We are at a pivot point in the geostrategic history of Europe and perhaps the globe.''.

(2) Adjustments to force posture in Europe must be commensurate to this challenge. Alongside allied investments, it is necessary for the United States to alter its force posture to establish additional permanently stationed and continuous rotational forces along Europe's eastern flank. Given the current conditions, it would be untenable for the United States to seek to revert to United States force levels and positioning present in Europe before Russia's further invasion of Ukraine, to rely solely on allied forces for further force posture enhancements, or adopt a path to transition away from investments in Europe through the European Deterrence Initiative (EDI), except for exceptional cases.

(3) As General Tod Wolters, Commander of U.S. European Command, has stated, investments made through EDI since 2014 have proved essential

to the United States ability to respond to the Ukraine crisis, deploying units in 5 days that would have taken as long as 21 days. General Wolters further stated, ''To take an Armored Brigade Combat Team and launch it from the continental United States, and put it on European turf, and have the tanks that comprise that Brigade Combat Team to shoot, move, and communicate and fire on range in one week is an amazing accomplishment. And that was facilitated by those Army Prepositioned Stocks and it was practiced in previous exercises which are part of the EDI fund. I would just say that when we demonstrated to the European community, and to the NATO community, and to the world how well we can shoot, move, and communicate and transition a large force from CONUS to Europe at that pace, it's something that demonstrates the great value of EDI.''.

(4) Past decisions made by the Department of Defense and Congress about prepositioned stocks, mobility, and funding for EDI led directly to this ability to quickly reinforce the area of operations in this crisis, and EDI investments will be crucial for adaptation to the new European security environment. The Department of Defense should continue

to strongly support EDI investments with a focus on adapting deterrence to the new security environment and incorporating lessons learned from the conflict in Ukraine, and it should not seek a path to EDI's sunset.

(5) The United States recognizes that strong alliances and partnerships are crucial to the maintenance of United States national and global security. The NATO alliance has grown more robust and more united in response to Russia's aggression in Ukraine. Members of NATO have announced substantial changes in their defense commitments, adopting measures to meet and exceed their Wales Pledge commitments to spend 2 percent of Gross Domestic Product on defense and increasing commitments to NATO battle group and air policing missions, while sending vital defense assistance to Ukraine. Congress commends such members of NATO for their adoption and sustainment of these efforts. Such commitments are vital to the long-term effort required to maintain deterrence in the European theater. The United States should continue to work with allies on complementary investments to establish in Europe a mature, fully integrated deterrence platform capable of responding to the ex-

panded threat of Russian aggression and supporting NATO allies' ongoing efforts to collectively resist direct and hybrid threats to shared values, interests, and ideals.

(6) The United States should also redouble efforts to assist NATO allies, particularly on Europe's eastern periphery, in modernizing and integrating their defense capabilities taking into account lessons from Russia's war in Ukraine, including efforts to provide artillery, MLRS, MANPADS, air defenses, and other capabilities.

(7) As it reinforces deterrence, the United States should recognize the acute risks now facing allies on Russia's periphery and pursue national security investments and strategies commensurate to the challenge, including additional EDI programs, in the Black Sea, the Baltics, the Arctic, and Central Europe, in order to maintain the credibility of the ''sacred obligation under Article 5 of the North Atlantic Treaty to defend every inch of NATO territory.''.

(8) Likewise, the United States should keep in mind the particularly significant challenges posed to non-NATO European partners and seek security strategies to continue cooperation and support their

sovereign rights, while also pursuing security policies that support stability in areas of substantial malign effort such as the Western Balkans.

(9) The United States continues to recognize the importance of the long-term Baltic Security Initiative assistance plan that the Department of Defense is carrying out under section 333 of title 10, United States Code, and the crucial role that such investments play in deterring Russian aggression in that region.

**SEC. 1262. SENSE OF CONGRESS ON NATO MEMBERSHIP FOR FINLAND AND SWEDEN.**

It is the sense of Congress that the United States strongly supports membership for Finland and Sweden in the North Atlantic Treaty Organization (NATO).

# TITLE XIII—OTHER MATTERS RELATING TO FOREIGN NATIONS

## Subtitle A—Matters Relating to the Indo-Pacific Region

### SEC. 1301. MODIFICATION TO ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE'S REPUBLIC OF CHINA.

Section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended as follows:

(1) In paragraph (5)—

(A) in subparagraph (B)—

(i) by striking ''A summary'' and inserting ''a summary''; and

(ii) by striking ''; and'' at the end and inserting a semicolon;

(B) in subparagraph (C), by striking the period at the end and inserting ''; and''; and

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

''(D) the doctrine, capabilities, organization, and operational employment of the Peo-

ple's Liberation Army special operations forces.''.

(2) In paragraph (8), by adding at the end the following new subparagraph:

''(F) Special operations capabilities.''.

**SEC. 1302. SENSE OF CONGRESS ON SOUTH KOREA.**

It is the sense of Congress that—

(1) South Korea continues to be a critical ally of the United States;

(2) the presence of United States Armed Forces in South Korea serves as a strong deterrent against North Korean military aggression and as a critical support platform for national security engagements in the Indo-Pacific region;

(3) the presence of approximately 28,500 members of the United States Armed Forces deployed to South Korea serves not only as a stabilizing force to the Korean peninsula but also as a reassurance to all our allies in the region; and

(4) the United States should continue to—

(A) maintain and strengthen its bilateral relationship with South Korea and with other regional allies such as Japan; and

(B) maintain its existing robust military presence in South Korea to deter aggression

against the United States and its allies and partners.

**SEC. 1303. SENSE OF CONGRESS ON TAIWAN DEFENSE RELATIONS.**

It is the sense of Congress that—

(1) the Taiwan Relations Act (Public Law 96-8; 22 U.S.C. et seq.) and the Six Assurances provided by the United States to Taiwan in July 1982 are the foundation for United States-Taiwan relations;

(2) as set forth in the Taiwan Relations Act, the United States decision to establish diplomatic relations with the People's Republic of China rests upon the expectation that the future of Taiwan will be determined by peaceful means, and that any effort to determine the future of Taiwan by other than peaceful means, including boycotts and embargoes, is of grave concern to the United States;

(3) the increasingly coercive and aggressive behavior of the People's Republic of China toward Taiwan is contrary to the expectation of the peaceful resolution of the future of Taiwan;

(4) as set forth in the Taiwan Relations Act, the capacity to resist any resort to force or other forms of coercion that would jeopardize the security,

or the social or economic system, of the people on Taiwan should be maintained;

(5) the United States should continue to support the development of capable, ready, and modern defense forces necessary for Taiwan to maintain a sufficient self-defense capability, including by—

(A) supporting acquisition by Taiwan of defense articles and services through foreign military sales, direct commercial sales, and industrial cooperation, with an emphasis on capabilities that support the asymmetric defense strategy of Taiwan, including anti- ship, coastal defense, anti-armor, air defense, undersea warfare, advanced command, control, communications, computers, intelligence, surveillance, and reconnaissance, and resilient command and control capabilities;

(B) ensuring timely review of and response to requests of Taiwan for defense articles and services;

(C) conducting practical training and military exercises with Taiwan that enable Taiwan to maintain a sufficient self- defense capability, as described in the Taiwan Relations Act;

(D) exchanges between defense officials and officers of the United States and Taiwan at the strategic, policy, and functional levels, consistent with the Taiwan Travel Act (Public Law 115-135; 132 Stat. 341), especially for the purposes of—

(i) enhancing cooperation on defense planning;

(ii) improving the interoperability of the military forces of the United States and Taiwan; and

(iii) improving the reserve force of Taiwan;

(E) identifying improvements in Taiwan's ability to use asymmetric military capabilities to enhance its defensive capabilities, as described in the Taiwan Relations Act; and

(F) expanding cooperation in humanitarian assistance and disaster relief; and

(6) the United States should be committed to the defense of a free and open society in the face of aggressive efforts by the Government of the People's Republic of China to curtail or influence the free exercise of rights and democratic franchise.

**SEC. 1304. SENSE OF CONGRESS AND REPORT ON UNITED STATES SECURITY COOPERATION WITH INDIA.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that the United States—

(1) should build upon the 2016 designation of India as a Major Defense Partner of the United States by seeking to improve interoperability and actively looking for opportunities for joint military exercises; and

(2) should strengthen security cooperation with India in the Indian Ocean by—

(A) conducting high-end exercises and increasing joint training exercises;

(B) expanding the geographic scope of joint military activities between relevant United States commands and the Indian military in the Western Indian Ocean; and

(C) expanding military training programs and exercises, including humanitarian assistance and disaster relief exercises.

(b) REPORT REQUIRED.—Not later than March 1, 2023, the Under Secretary of Defense for Policy, in coordination with the Commander of United States Indo-Pacific Command and the Director of the Defense Security Cooperation Agency, 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 a report regarding—

(1) opportunities for deeper defense cooperation with India;

(2) the defense relationship between the Russian Federation and India;

(3) the defense relationship between the People's Republic of China and India; and

(4) the defense relationship between the United States, Australia, Japan, and India.

**SEC. 1305. MODIFICATION TO REPORT ON RESOURCING UNITED STATES DEFENSE REQUIREMENTS FOR THE INDO-PACIFIC REGION AND REPORT ON ENHANCING DEFENSE COOPERATION WITH ALLIES AND PARTNERS IN THE INDO-PACIFIC.**

(a) IN GENERAL.—Section 1251 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283) is amended in subsection (d)(1)(B) by amending clause (v) to read as follows:

''(v) An assessment of security cooperation authorities, activities, or re-

sources required to achieve such objectives.''.

(b) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Commander of United States Indo-Pacific Command shall submit to the appropriate congressional committees a report on the feasibility and advisability of enhancing defense cooperation with allies and partners in the Indo-Pacific region that includes the following:

(1) A description of relevant cooperation between key allies and leading partners in the Indo-Pacific region and the United States during the preceding calendar year, including mutual visits, exercises, training, and equipment opportunities.

(2) An evaluation of the feasibility of enhancing cooperation between key allies and leading partners in the Indo-Pacific region on a range of activities, including—

(A) interoperability and coordination;

(B) disaster and emergency response;

(C) enhancing maritime domain awareness and maritime security;

(D) cyber defense and communications security;

(E) military medical cooperation;

(F) virtual combined exercises and training activities;

(G) advancing programs for United States military advisors to assist in training the active and reserve components of key allies and leading partners in the Indo-Pacific region; and

(H) expanding the activities of the National Guard in the Indo-Pacific region.

(3) Any other matters the Commander of United States Indo-Pacific Command considers appropriate.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees;

(2) the Committee on Foreign Affairs of the House of Representatives; and

(3) the Committee on Foreign Relations of the Senate.

**SEC. 1306. REPORT ON SUPPORT AND SUSTAINMENT FOR CRITICAL CAPABILITIES IN THE AREA OF RESPONSIBILITY OF THE UNITED STATES INDO-PACIFIC COMMAND NECESSARY TO MEET OPERATIONAL REQUIREMENTS IN CERTAIN CONFLICTS WITH STRATEGIC COMPETITORS.**

(a) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Commander of the United States Indo-Pacific Command, in consultation with the Commander of the United States Transportation Command, the Director of the Defense Logistics Agency, and other Federal officials that the Commander of United States Indo-Pacific Command determines to be appropriate, shall submit to the appropriate congressional committees a report that describes the support and sustainment for critical capabilities in the area of responsibility of the United States Indo-Pacific Command that are necessary to meet operational requirements in a conflict with a strategic competitor of a duration that exceeds 6 months.

(2) MATTERS TO BE INCLUDED.—The report required by paragraph (1) shall include the following:

(A) An assessment of the posture and capabilities of the current strategic force laydown of the United States Indo-Pacific Command, including capabilities such as—

(i) command, control, communications, computers, cyber, intelligence, surveillance, and reconnaissance (commonly referred to as ''C5ISR'') assets;

(ii) surface, subsurface, land, air, and space disposition and capabilities;

(iii) strategic long-range precision fires, missile defense, and anti-air capabilities;

(iv) force protection of assets and critical infrastructure;

(v) logistics and sustainment capabilities, including positioning, quantity, and distribution of fuels; and

(vi) munitions required to meet operational requirements.

(B) A detailed assessment of any gaps in the required capabilities described in subparagraph (A) relative to the requirements of the United States Indo-Pacific Command in both steady state and in such a conflict with a stra-

tegic competitor, including gaps in any capabilities described in the report required by section 1251(d) of the National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283).

(C) An assessment of measures required to mitigate the gaps described in subparagraph (B) before December 31, 2025. The assessment shall include associated costs with enhancing United States, allied, and partner military posture, basing, and sustainment infrastructure in the area of responsibility of the United States Indo-Pacific Command to best meet the operational requirements described in subparagraph (A), including in States, territories, and possessions of the United States and regional allies and partners.

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

(c) DEFINITIONS.—In this section—

(1) the term ''appropriate congressional committees'' means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate; and

(2) 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.

**SEC. 1307. MODIFICATION TO PACIFIC DETERRENCE INITIATIVE.**

Section 1251(d) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 3951) is amended—

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

(2) by inserting after paragraph (1) the following:

''(2) SUBSEQUENT REPORT.—Not later than 15 days after the submission of the report required by paragraph (1) for fiscal year 2024, the Commander of the United States Indo-Pacific Command shall submit to the congressional defense committees a subsequent report containing a comparison of the

specific cost estimates required by items (aa) through (ff) of paragraph (1)(B)(vi)(II) to the funding provided in the budget of the President (submitted to Congress pursuant to section 1105 of title 31, United States Code) for such items for such fiscal year.''.

**SEC. 1308. SEIZE THE INITIATIVE.**

(a) IN GENERAL.—There shall be established in the Department of Defense an initiative, to be known as the ''Seize The Initiative Fund'' (referred to in this section as the ''Fund''), for the use of the Commander of United States Indo-Pacific Command to increase the ability of covered Armed Forces to respond to contingencies in the Indo-Pacific.

(b) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated $1,000,000,000 for the Department of Defense for fiscal year 2023 for the allowable uses described in subsection (c).

(c) ALLOWABLE USES.—The funds authorized to be appropriated by this section shall be used by the Commander of United States Indo-Pacific Command, in consultation with the Secretary of Defense and the Secretaries of the military departments, for the following purposes:

(1) Activities to increase the presence of covered Armed Forces west of the international dateline in the United States Indo-Pacific Command area of responsibility.

(2) Activities to improve infrastructure to enhance the responsiveness of covered Armed Forces west of the international dateline in the United States Indo-Pacific Command area of responsibility.

(3) Activities to enhance prepositioning in the United States Indo-Pacific Command area of responsibility of equipment of covered Armed Forces.

(4) Activities to enhance contingency response in the United States Indo-Pacific Command area of responsibility.

(d) INITIAL PLAN REQUIRED.—The Commander of United States Indo-Pacific Command shall, within 180 days of the enactment of this act, provide the congressional defense committees with a plan to use funds authorized pursuant to this section. Such plan, to the extent practicable, shall be consistent with other plans required to be produced by the Commander of United States Indo-Pacific Command, including under section 1242 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 1978).

(e) COVERED ARMED FORCES.—In this section, the term ''covered Armed Force'' means the following forces of the United States:

(1) The Army.

(2) The Navy.

(3) The Marine Corps.

(4) The Air Force.

(5) The Space Force.

**SEC. 1309. MODIFICATION TO CHINA MILITARY POWER REPORT.**

Section 1202(b)(7)(B) of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended—

(1) by redesignating clauses (ii) and (iii) as clauses (iii) and (iv), respectively; and

(2) by inserting after clause (i) the following:

''(ii) the Middle East and North Africa, especially with respect to Iran and China's relationship with Iranian proxies such as Hezbollah in Lebanon, the Houthis (''Ansar Allah'') in Yemen, the Assad regime in Syria, and Iranian-backed militias in Iraq;''.

**SEC. 1310. MODIFICATIONS TO PUBLIC REPORTING OF CHINESE MILITARY COMPANIES OPERATING IN THE UNITED STATES.**

(a) IN GENERAL.—Section 1260H(c) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (10 U.S.C. 113 note) is amended by adding at the end the following sentence: ''The Secretary of Defense shall also consider information related to a Chinese military company operating directly or indirectly in the United States or any of its territories and possessions that is provided jointly by the chairperson and ranking member of each of the congressional defense committees in making such determinations.''.

(b) DETERMINATION PROMPTED BY JOINT SUBMISSION OF INFORMATION.—Section 1260H of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (10 U.S.C. 113 note) is amended—

(1) by redesignating subsection (d) as subsection (e); and

(2) by inserting after subsection (c) (as amended) the following:

''(d) DETERMINATION REQUIRED.—Not later than 30 days after receiving information described in the second sentence of subsection (c) with respect to an entity, the Secretary of Defense shall—

''(1) determine if that entity meets the criteria for inclusion on the list required under subsection (b); and

''(2) submit an unclassified report, without any designation relating to dissemination control, to the chairperson and ranking member of the committee that provided the information with respect to such determination, including whether the Secretary intends to list such entity publicly.''.

**SEC. 1311. REPORTING ON INSTITUTIONS OF HIGHER EDUCATION DOMICILED IN THE PEOPLE'S REPUBLIC OF CHINA THAT PROVIDE SUPPORT TO THE PEOPLE'S LIBERATION ARMY.**

(a) DETERMINATION.—

(1) IN GENERAL.—The Secretary of Defense, in consultation with the Office of the Director of National Intelligence, shall identify each entity that is an institution of higher education domiciled in the People's Republic of China that provides support to the People's Liberation Army.

(2) FACTORS.—In making a determination under paragraph (1) with respect to an entity, the Secretary shall consider the following factors:

(A) Involvement in the implementation of the military-civil fusion strategy of China.

(B) Participation in the defense industrial base of China.

(C) Affiliation with the Chinese State Administration for Science, Technology, and Industry for the National Defense.

(D) Funding received from any organization subordinate to the Central Military Commission of the Chinese Communist Party.

(E) Relationship with any security, defense, police, or within the Government of China or the Chinese Communist Party.

(F) Any other factor the Secretary determines is appropriate.

(b) REPORT.—

(1) ANNUAL REPORT.—Not later than September 30, 2023, and annually thereafter for 5 years, the Secretary shall submit to the appropriate congressional committees a list of each entity identified pursuant to subsection (a) in classified and unclassified forms, and shall include in such submission, as applicable, an explanation of any entities deleted from such list with respect to a prior list.

(2) CONCURRENT PUBLICATION.—Concurrent with the submission of each list described in para-

graph (1), the Secretary shall publish the unclassified portion of such list in the Federal Register.

(3) ONGOING REVISIONS.—The Secretary, in consultation with the Office of the Director of National Intelligence, shall make additions or deletions to the most recent list submitted under paragraph (1) on an ongoing basis based on the latest information available.

(4) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term ''appropriate congressional committees'' means—

(A) the Committee on Armed Services and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services and the Permanent Select Committee on Intelligence of the House of Representatives.

(c) PEOPLE'S LIBERATION ARMY DEFINED.—In this section, the term ''People's Liberation Army'' means the land, naval, and air military services, the People's Armed Police, the Strategic Support Force, the Rocket Force, and any other related security element within the Government of China or the Chinese Communist Party that the Secretary determines is appropriate.

**SEC. 1312. SENSE OF CONGRESS ON INVITING TAIWAN TO THE RIM OF THE PACIFIC EXERCISE.**

It is the sense of Congress that the naval forces of Taiwan should be invited to participate in the Rim of the Pacific exercise conducted in 2024.

**SEC. 1313. JOINT EXERCISES WITH TAIWAN.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) joint military exercises with Taiwan are an important component of improving military readiness and joint operability of both countries;

(2) the Commander of United States Indo-Pacific Command, and other commands in the United States Indo-Pacific Command area of responsibility, already possess the legal authority to carry out such exercises; and

(3) the United States should better use existing authorities to improve the readiness and joint operability of United States and Taiwanese forces.

(b) AUTHORITY RECOGNIZED.—The Commander of United States Indo-Pacific Command is authorized to carry out military exercises with Taiwan that—

(1) include multiple warfare domains and make extensive use of military common operations network used by United States, allied, and Taiwanese forces;

(2) to the maximum extent practical, incorporate the cooperation of 2 or more combatant and subordinate unified commands; and

(3) present a complex military problem and include a force presentation of a strategic competitor.

# Subtitle B—Other Matters Relating to Foreign Nations

**SEC. 1331. SUPPORT OF SPECIAL OPERATIONS FOR IRREGULAR WARFARE.**

(a) CODIFICATION.—

(1) IN GENERAL.—Chapter 3 of title 10, United States Code, is amended by inserting after section 127c a new section 127d consisting of—

(A) a heading as follows:

**"§ 127d. Support of special operations for irregular warfare"; and**

(B) a text consisting of the text of subsections (a) through (i) of section 1202 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1639).

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 127c the following new item:

''127d. Support of special operations for irregular warfare.''.

(b) MODIFICATION OF DOLLAR AMOUNT.—Section 127d of title 10, United States Code, as so amended, is further amended in subsection (a) by striking ''$15,000,000'' and inserting ''$25,000,000''.

(c) CONFORMING REPEAL.—Section 1202 of the National Defense Authorization Act for Fiscal Year 2018 is repealed.

**SEC. 1332. PERMANENT EXTENSION OF AUTHORITY FOR CERTAIN PAYMENTS TO REDRESS INJURY AND LOSS.**

Section 1213(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 2731 note) is amended by striking ''During'' and all that follows through ''December 31, 2023, not'' and inserting ''Not''.

**SEC. 1333. EXTENSION OF UNITED STATES-ISRAEL CO-OPERATION TO COUNTER UNMANNED AERIAL SYSTEMS.**

Section 1278(f) of the National Defense Authorization Act, 2020 (Public Law 116–92; 133 Stat. 1702; 22 U.S.C. 8606 note) is amended by striking ''December 31, 2024'' and inserting ''December 31, 2026''.

**SEC. 1334. MODIFICATION AND EXTENSION OF UNITED STATES-ISRAEL COOPERATION TO COUNTER UNMANNED AERIAL SYSTEMS.**

(a) AUTHORITY TO ESTABLISH CAPABILITIES TO COUNTER UNMANNED AERIAL SYSTEMS.—Subsection (a)(1) of section 1278 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1702; 22 U.S.C. 8606 note) is amended in the first sentence by inserting after ''to establish capabilities for countering unmanned aerial systems'' the following '', including directed energy capabilities,''.

(b) SUPPORT IN CONNECTION WITH THE PROGRAM.—Subsection (b) of such section is amended—

(1) in paragraph (3)(B), by inserting at the end before the period the following: '', including directed energy capabilities''; and

(2) in paragraph (4), by striking ''$25,000,000'' and inserting ''$40,000,000''.

(c) SUNSET.—Subsection (f) of such section is amended by striking ''December 31, 2024'' and inserting ''December 31, 2026''.

**SEC. 1335. MODIFICATION TO INITIATIVE TO SUPPORT PROTECTION OF NATIONAL SECURITY ACADEMIC RESEARCHERS FROM UNDUE INFLUENCE AND OTHER SECURITY THREATS.**

(a) IN GENERAL.—Clause (iii) of section 1286(c)(8)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (10 U.S.C. 2358 note; Public Law 115–232) is amended—

(1) in subclause (I), by striking ''or'' at the end; and

(2) by adding at the end the following:

''(III) to provide documented support to a defense or an intelligence agency of the applicable country; or''.

(b) PROHIBITION ON FUNDS.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 or any subsequent fiscal year for the Department of Defense for research, development, test, and evaluation may be provided to an entity that maintains a contract between the entity and a Chinese or Russian academic institution identified on the list developed under section 1286(c)(8)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 by

reason of meeting the requirements of clause (ii) or (iii) (as amended by subsection (a)) of such section.

(2) WAIVER.—The Secretary of Defense may waive the prohibition on funds under this subsection with respect to an entity if the Secretary determines that such a waiver is appropriate.

# TITLE XIV—OTHER AUTHORIZATIONS

## Subtitle A—Military Programs

### SEC. 1401. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2023 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 2023 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 2023 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 2023 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 2023 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.

# 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 for section 1405 and available for the Defense Health Program for operation and maintenance, $168,000,000 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 2023 from the Armed Forces Retirement Home Trust Fund the sum of $152,360,000 of which—

(1) $75,360,000 is for operation, maintenance, construction and renovation; and

(2) $77,000,000 is for major construction.

**SEC. 1413. STUDY AND PILOT PROGRAM ON SEMICONDUCTORS AND THE NATIONAL DEFENSE STOCKPILE.**

(a) STUDY REQUIRED.—

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

(A) conduct a study on the strategic materials required by the Department of Defense to execute the operational plans of the Depart-

ment in a conflict with a strategic competitor lasting not less than six months; and

(B) submit to the congressional defense committees a report on such study.

(2) ELEMENTS.—The report required under paragraph (1) shall include the following:

(A) A description of the specific number and type of semiconductors for key systems and munitions, delineated by technical specifications, performance requirements, and end-use applications, that the Department of Defense requires to execute and sustain the operational plans of the Department during a conflict with a strategic competitor in the Indo-Pacific for not less than six months.

(B) A description of any supply chain vulnerabilities or choke points, including from sole sources of supply or geographic proximity to strategic competitors, involving the critical minerals and strategic raw materials (including chemicals) required to produce the semiconductors described in subparagraph (A).

(C) A description of any supply chain vulnerabilities or choke points, including from sole sources, geographic proximity to strategic

competitors, or legacy technology, involving the manufacturing equipment required for each step in the manufacturing process from the raw materials described in subparagraph (B) to the finished and operational semiconductor chip described in subparagraph (A), and an identification of potential secure sources of supply or manufacturing involving the United States, allied, or partner nations.

(D) An analysis of the ability of the Department of Defense and private industry, as appropriate, to procure the semiconductors described in subparagraph (A) and mitigate the vulnerabilities identified in subparagraphs (B) and (C), during a conflict with a strategic competitor in the Indo-Pacific lasting not less than six months, along with associated recommendations, any additional necessary authorities to carry out such recommendations, and the cost of each recommendation.

(E) A feasibility assessment, expected cost, and recommendations for acquiring strategic materials for the National Defense Stockpile.

(F) A description of options to finance the cost of the recommendations described in subparagraph (D).

(G) The anticipated annual cost, through fiscal year 2028, of a pilot program to acquire for the National Defense Stockpile the highest priority strategic materials.

(b) PILOT PROGRAM.—

(1) ESTABLISHMENT.—Upon the submission of the report under subsection (a), the Secretary of Defense shall carry out a pilot program to, subject to the availability of appropriations, acquire for the National Defense Stockpile the highest priority strategic materials identified in such report.

(2) REPORT.—Not later than 1 year after the establishment of the pilot program described in this subsection, and annually thereafter until the date described in paragraph (3), the Secretary of Defense shall submit to the congressional defense committees a report on the status and effects of the pilot program.

(3) TERMINATION.—The pilot program established under this subsection shall terminate on September 30, 2028.

(c) STRATEGIC MATERIALS DEFINED.—In this section, the term ''strategic materials'' means—

(1) semiconductors described in subsection (a)(2)(A);

(2) critical minerals and strategic raw materials described in subsection (a)(2)(B); and

(3) manufacturing equipment described in paragraph (2)(C).

**SEC. 1414. RESTORING ESSENTIAL ENERGY AND SECURITY HOLDINGS ONSHORE FOR RARE EARTHS.**

(a) ACQUISITION AUTHORITY.—Of the funds authorized to be appropriated for the National Defense Stockpile Transaction Fund by section 4501, the National Defense Stockpile Manager may use up to $253,500,000 for acquisition of the following materials determined to be strategic and critical materials required to meet the defense, industrial, and essential civilian needs of the United States:

(1) Neodymium oxide, praseodymium oxide, and neodymium iron boron (NdFeB) magnet block.

(2) Titanium.

(3) Energetic materials.

(4) Iso-molded graphite.

(5) Grain-oriented electric steel.

(6) Tire cord steel.

(7) Cadmium zinc telluride.

(b) COMPLIANCE WITH STRATEGIC AND CRITICAL MATERIALS STOCK PILING ACT.—Any acquisition using funds appropriated pursuant to this section shall be carried out in accordance with the provisions of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98 et seq.).

(c) DISCLOSURES CONCERNING RARE EARTH ELEMENTS AND COVERED CRITICAL MINERALS BY CONTRACTORS OF DEPARTMENT OF DEFENSE.—

(1) REQUIREMENT.—Beginning on the date that is 30 months after the date of the enactment of this Act, the Secretary of Defense shall require that any contractor that provides to the Department of Defense a system with a permanent magnet that contains rare earth elements or covered critical minerals to disclose in a classified form, along with delivery of the system, the provenance of the magnet.

(2) ELEMENTS.—A disclosure under paragraph (1) shall include an identification of the country or countries in which—

(A) any rare earth elements and covered critical minerals used in the magnet were mined;

(B) such elements and minerals were refined into oxides;

(C) such elements and minerals were made into metals and alloys; and

(D) the magnet was sintered or bonded and magnetized.

(3) IMPLEMENTATION OF SUPPLY CHAIN TRACKING SYSTEM.—If a contractor cannot make the disclosure required by paragraph (1) with respect to a system described in that paragraph, the Secretary shall require the contractor to establish and implement a supply chain tracking system in order to make the disclosure not later than 180 days after providing the system to the Department of Defense.

(4) WAIVERS.—

(A) IN GENERAL.—The Secretary may waive a requirement under paragraph (1) or (3) with respect to a system described in paragraph (1) for a period of not more than 180 days if the Secretary certifies to the appropriate congressional committees that—

(i) the continued procurement of the system is necessary to meet the demands of a national emergency declared under section 201 of the National Emergencies Act (50 U.S.C. 1621); or

(ii) the contractor cannot currently make the disclosure required by paragraph (1) but is making significant efforts to comply with the requirements of that paragraph.

(B) WAIVER RENEWALS.—The Secretary—

(i) may renew a waiver under subparagraph (A)(i) as many times as the Secretary considers appropriate; and

(ii) may not renew a waiver under subparagraph (A)(ii) more than twice.

(5) BRIEFING REQUIRED.—Not later than 30 days after the submission of each report required by subsection (e)(3), the Secretary of Defense shall provide to the appropriate congressional committees a briefing that includes—

(A) a summary of the disclosures made under this subsection;

(B) an assessment of the extent of reliance by the United States on foreign countries, and especially countries that are not allies of the United States, for rare earth elements and covered critical minerals;

(C) a determination with respect to which systems described in paragraph (1) are of the

greatest concern for interruptions of supply chains with respect to rare earth elements and covered critical minerals; and

(D) any suggestions for legislation or funding that would mitigate security gaps in such supply chains.

(d) EXPANSION OF RESTRICTIONS ON PROCUREMENT OF MILITARY AND DUAL-USE TECHNOLOGIES BY CHINESE MILITARY COMPANIES.—Section 1211 of the National Defense Authorization Act for Fiscal Year 2006 (10 U.S.C. 4651 note pre c.) is amended—

(1) in the section heading, by striking ''**COMMUNIST CHINESE MILITARY COMPANIES**'' and inserting ''**CHINESE MILITARY COMPANIES**'';

(2) in subsection (a), by inserting after ''military company'' the following: '', any Chinese military company, or any Non-SDN Chinese military-industrial complex company'';

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

''(b) GOODS AND SERVICES COVERED.—

''(1) IN GENERAL.—For purposes of subsection (a), and except as provided in paragraph (2), the goods and services described in this subsection are goods and services—

''(A) on the munitions list of the International Traffic in Arms Regulations; or

''(B) on the Commerce Control List that—

''(i) are classified in the 600 series; or

''(ii) contain rare earth elements or covered critical minerals.

''(2) EXCEPTIONS.—Goods and services described in this subsection do not include goods or services procured—

''(A) in connection with a visit by a vessel or an aircraft of the United States Armed Forces to the People's Republic of China;

''(B) for testing purposes; or

''(C) for purposes of gathering intelligence.'';

(4) in subsection (e)—

(A) by striking paragraph (3);

(B) by redesignating paragraphs (1) and (2) as paragraphs (3) and (6), respectively;

(C) by inserting before paragraph (3), as redesignated by subparagraph (B), the following:

''(1) The term 'Chinese military company' has the meaning given that term by section 1260H(d)(1) of the William M. (Mac) Thornberry National De-

fense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 113 note).

''(2) The term 'Commerce Control List' means the list maintained by the Bureau of Industry and Security and set forth in Supplement No. 1 to part 774 of the Export Administration Regulations.''; and

(D) by inserting after paragraph (3), as so redesignated, the following:

''(4) The term 'covered critical mineral' means—

''(A) antimony;

''(B) beryllium;

''(C) cobalt;

''(D) graphite;

''(E) lithium;

''(F) manganese;

''(G) nickel;

''(H) tantalum;

''(I) tungsten; or

''(J) vanadium.

''(5) The term 'Export Administration Regulations' has the meaning given that term in section 1742 of the Export Control Reform Act of 2018 (50 U.S.C. 4801).''; and

(5) by adding at the end the following:

''(7) The term 'Non-SDN Chinese military-industrial complex company' means any entity on the Non-SDN Chinese Military-Industrial Complex Companies List—

''(A) established pursuant to Executive Order 13959 (50 U.S.C. 1701 note; relating to addressing the threat from securities investments that finance Communist Chinese military companies), as amended before, on, or after the date of the enactment of the Restoring Essential Energy and Security Holdings Onshore for Rare Earths Act of 2022; and

''(B) maintained by the Office of Foreign Assets Control of the Department of the Treasury.

''(8) The term 'rare earth element' means—

''(A) cerium;

''(B) dysprosium;

''(C) erbium;

''(D) europium;

''(E) gadolinium;

''(F) holmium;

''(G) lanthanum;

''(H) lutetium;

"(I) neodymium;

"(J) praseodymium;

"(K) promethium;

"(L) samarium;

"(M) scandium;

"(N) terbium;

"(O) thulium;

"(P) ytterbium; or

"(Q) yttrium.".

(e) REVIEW OF COMPLIANCE WITH CONTRACTING REQUIREMENTS.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, and periodically thereafter until the termination date specified in paragraph (5), the Comptroller General of the United States shall assess the extent of the efforts of the Department of Defense to comply with the requirements of—

(A) subsection (c);

(B) section 1211 of the National Defense Authorization Act for Fiscal Year 2006, as amended by subsection (d) of this section; and

(C) section 4872 of title 10, United States Code.

(2) BRIEFING REQUIRED.—The Comptroller General shall periodically, until the termination date specified in paragraph (5), provide to the appropriate congressional committees a briefing on the results of the assessments conducted under paragraph (1) that includes an assessment of—

(A) the inclusion by the Department of Defense of necessary contracting clauses in relevant contracts to meet the requirements described in subparagraphs (A), (B), and (C) of paragraph (1); and

(B) the efforts of the Department of Defense to assess the compliance of contractors with such clauses.

(3) REPORT REQUIRED.—The Comptroller General shall, not less frequently than every 2 years until the termination date specified in paragraph (5), submit to the appropriate congressional committees a report on the results of the assessments conducted under paragraph (1) that includes an assessment of—

(A) the inclusion by the Department of Defense of necessary contracting clauses in relevant contracts to meet the requirements de-

scribed in subparagraphs (A), (B), and (C) of paragraph (1); and

(B) the efforts of the Department of Defense to assess the compliance of contractors with such clauses.

(4) REFERRAL.—If, in conducting an assessment under paragraph (1), the Comptroller General determines that a contractor has failed to comply with any of the requirements described in subparagraphs (A), (B), and (C) of paragraph (1), the relevant Inspectors General, or other enforcement agencies, as appropriate, for further examination and possible enforcement actions.

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

(f) DEFINITIONS.—In this section, the terms ''covered critical minerals'' and ''rare earth element'' have the meanings given to such terms in section 1211 of the National Defense Authorization Act for Fiscal Year 2006 (10 U.S.C. 4651 note prec.).

# Subtitle C—Homeland Acceleration of Recovering Deposits and Renewing Onshore Critical Keystones

**SEC. 1421. AUTHORITY TO ACQUIRE MATERIALS FOR NATIONAL DEFENSE STOCKPILE TO ADDRESS SHORTFALLS.**

(a) MODIFICATION OF ACQUISITION AUTHORITY.—Section 5 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98d) is amended—

(1) in subsection (a)—

(A) in paragraph (1)—

(i) in the first sentence, by inserting ''under the authority of paragraph (3) or'' after ''Except for acquisitions made''; and

(ii) in the second sentence, by striking ''for such acquisition'' and inserting ''for any acquisition of materials under this Act'';

(B) in paragraph (2), by striking ''any such transaction'' and inserting ''any transaction''; and

(C) by adding at the end the following:

''(3) From amounts appropriated after the date of the enactment of this paragraph, the National Defense

Stockpile Manager may acquire materials determined to be strategic and critical under section 3(a) without regard to the requirement of the first sentence of paragraph (1) if the Stockpile Manager determines there is a shortfall of such materials in the stockpile.''; and

(2) in subsection (c), by striking ''to carry out the purposes for which appropriated for a period of two fiscal years, if so provided in appropriation Acts'' and inserting ''until expended, unless otherwise provided in appropriations Acts''.

(b) CLARIFICATION THAT STOCKPILE MAY NOT BE USED FOR BUDGETARY PURPOSES.—Section 2(c) of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98a(c)) is amended by striking ''is not to be used'' and inserting ''shall not be used''.

(c) ANNUAL BRIEFINGS.—Section 11 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h–2) is amended by adding at the end the following:

''(c)(1) Not later than 30 days after submitting a report required by subsection (a), the National Defense Stockpile Manager shall brief the committees specified in paragraph (2) on the state of the stockpile and the acquisitions intended to be made within the next fiscal year.

''(2) The committees specified in this paragraph are—

''(A) the Committee on Armed Services, the Committee on Foreign Relations, the Committee on Energy and Natural Resources, the Committee on Commerce, Science, and Transportation, and the Select Committee on Intelligence of the Senate; and

''(B) the Committee on Armed Services, the Committee on Foreign Affairs, the Committee on Natural Resources, the Committee on Energy and Commerce, and the Permanent Select Committee on Intelligence of the House of Representatives.''.

**SEC. 1422. REPORT ON MODIFICATIONS TO THE NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.**

(a) IN GENERAL.—Not later than December 1, 2023, the Secretary of Defense shall submit to the congressional defense committees, the Committee on Financial Services of the House of Representatives, the Permanent Select Committee on Intelligence of the House of Representatives, the Select Committee on Intelligence of the Senate, and the Committee on Banking, Housing, and Urban Affairs of the Senate a report on the benefits and risks of potential legislative proposals to increase the availability of strategic and critical materials that are, as of the date

of the enactment of this Act, sourced primarily from the People's Republic of China or the Russian Federation.

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

(1) The implications of modifying the term ''domestic source'' for purposes of the Defense Production Act of 1950 (50 U.S.C. 4501 et seq.) to ''domestic and allied source'' and including in the definition of such term business concerns in other countries, including, but not limited to, Canada, the United Kingdom, and Australia.

(2) The benefits of facilitating more effective integration of the national technology and industrial base with the technology and industrial bases of countries that are allies or partners of the United States with respect to technology transfer, socio-economic procurement requirements, and export controls.

(c) FORM.—The report required by subsection (a) shall be in an unclassified form but may contain a classified annex.

(d) DEFINITIONS.—In this section:

(1) NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.—The term ''national technology and indus-

trial base'' has the meaning given that term in section 4801 of title 10, United States Code.

(2) STRATEGIC AND CRITICAL MATERIALS.—The term ''strategic and critical materials'' has the meaning given that term in section 12 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h–3).

# TITLE XV—CYBER AND INFORMATION OPERATIONS MATTERS

## Subtitle A—Cyber Matters

### SEC. 1501. IMPROVEMENTS TO PRINCIPAL CYBER ADVISORS.

(a) CERTIFICATION AUTHORITY FOR CYBERSPACE OPERATIONS.—Subsection (c) of section 932 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 2224 note) is amended by adding at the end the following new paragraph:

''(4) BUDGET CERTIFICATION.—Not later than January 31 of the year preceding each fiscal year for which a budget is proposed, the Principal Cyber Advisor shall certify to the Secretary of Defense and the congressional defense committees the adequacy of the portions of that budget regarding cyberspace activities not covered by the review of the Chief In-

formation Officer under section 142(b)(2) of this title.''.

(b) CODIFICATION OF PRINCIPAL CYBER ADVISORS.—

(1) TITLE 10.—Chapter 19 of title 10, United States Code, is amended by inserting after section 392 the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 392a. Principal Cyber Advisors".**

(2) PRINCIPAL CYBER ADVISOR TO SECRETARY OF DEFENSE.—Subsection (c) of section 932 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 2224 note), as amended by subsection (a), is—

(A) transferred to section 392a of title 10, United States Code, as added by paragraph (1);

(B) redesignated as subsection (a); and

(C) amended in the subsection heading by inserting ''TO SECRETARY OF DEFENSE'' after ''ADVISOR''.

(3) DEPUTY CYBER ADVISOR.—Section 905 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 391 note) is—

(A) transferred to chapter 19 of title 10, United States Code, designated as subsection (b) of section 392a, as added by paragraph (1), and redesignating each subordinate provision and the margins thereof accordingly; and

(B) amended—

(i) by striking ''this subsection'' each place it appears and inserting ''this paragraph''; and

(ii) by striking ''subsection (a)'' each place it appears and inserting ''paragraph (1)''.

(4) PRINCIPAL CYBER ADVISORS TO SECRETARIES OF MILITARY DEPARTMENTS.—Section 1657 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 391 note) is—

(A) transferred to chapter 19 of title 10, United States Code, designated as subsection (c) of section 392a, as added by paragraph (1), and redesignating each subordinate provision and the margins thereof accordingly; and

(B) amended—

(i) by striking ''subparagraph (B)'' and inserting ''clause (ii)'';

(ii) by striking ''paragraph (1)'' each place it appears and inserting ''subparagraph (A)'';

(iii) by striking ''paragraph (2)'' each place it appears and inserting ''subparagraph (B)'';

(iv) by striking ''subsection (a)(1)'' and inserting ''paragraph (1)(A)'';

(v) by striking ''subsection (a)'' each place it appears and inserting ''paragraph (1)'';

(vi) by striking ''subsection (b)'' each place it appears and inserting ''paragraph (2)''; and

(vii) by striking paragraph (6) (as redesignated pursuant to subparagraph (A)).

(c) CONFORMING AMENDMENTS.—

(1) TITLE 10.—Section 167b(d)(2)(A) of title 10, United States Code, is amended by inserting ''to the Secretary of Defense under section 392a(a) of this title'' after ''Principal Cyber Advisor''.

(2) FY22 NDAA.—Section 1528(e)(2) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 2224 note) is amended by striking ''section 1657(d) of the Na-

tional Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 391 note)'' and inserting ''section 392a(c)(4) of title 10, United States Code''.

(3) FY17 NDAA.—Section 1643(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2224 note) is amended by striking ''The Principal Cyber Advisor, acting through the cross-functional team established by section 932(c)(3) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113-66; 10 U.S.C. 2224 note)'' and inserting ''The Principal Cyber Advisor to the Secretary of Defense, acting through the cross-functional team under section 392a(a)(3) of title 10, United States Code,''.

**SEC. 1502. MODIFICATION OF OFFICE OF PRIMARY RESPONSIBILITY FOR STRATEGIC CYBERSECURITY PROGRAM.**

Paragraph (2) of section 1640(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2224 note) is amended to read as follows:

''(2) OFFICE OF PRIMARY RESPONSIBILITY.—Not later than 30 days after the date of the enactment of the National Defense Authorization Act for

Fiscal Year 2023, the Secretary of Defense shall designate a principal staff assistant from within the Office of the Secretary of Defense whose office shall serve as the office of primary responsibility for the Program, providing policy, direction, and oversight regarding the execution of the responsibilities of the program manager described in paragraph (5).''.

**SEC. 1503. ESTABLISHMENT OF CYBER OPERATIONS DESIGNATOR AND RATING FOR THE NAVY.**

(a) MILITARY CAREER DESIGNATOR.—

(1) OFFICERS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Navy, in coordination with the Chief of Naval Operations, shall establish and use a cyber warfare operations designator for officers and warrant officers, which shall be a separate designator from the cryptologic warfare officer designator.

(2) ENLISTED.—Not later than 90 days after the date of the enactment of this Act, the Secretary, in coordination with the Chief, shall establish and use a cyber warfare rating for enlisted personnel, which shall be a separate rating from the cryptologic technician enlisted rating.

(b) PROHIBITION.—

(1) IN GENERAL.—Beginning June 1, 2024, the Secretary may not assign a member of the Navy to a billet within the core work roles at teams or components within the cyber mission force if such member—

(A) has a designator of cryptologic warfare, intelligence, or information professional; or

(B) has a rating of cryptologic technician, intelligence specialist, or information systems technician.

(2) EXCEPTION.—The prohibition in paragraph (1) shall not apply with respect to a member of the Navy who is assigned to a billet described in such paragraph under orders issued before June 1, 2024.

(c) REPORT.—Not later than one year 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 Senate a report certifying whether the following actions have been carried out (including detailed explanations):

(1) The Secretary establishing cyberspace operations as a military discipline that is a community separate from the information warfare community.

(2) The Chief of Naval Operations identifying who in the Office of the Chief of Naval Operations

will serve as the resource manager and who will be responsible for staffing and training with respect to the designator and rating established under subsection (a).

(3) The Secretary establishing a training pipeline for the designator and rating established under subsection (a) that is aligned with the requirements and standards established by the Commander of the United States Cyber Command.

(4) The Secretary establishing a funding profile detailing with requisite investments toward the training requirements, requisite courses, and costs associated with the designator and rating established under subsection (a) for the period covered by the most recent future-years defense program submitted to Congress under section 221 of title 10, United States Code.

(5) The Secretary establishing an inventory of all flag officer positions with direct leadership or executive direction over the designator and rating established under subsection (a), including with respect to—

(A) the United States Cyber Command;

(B) the Fleet Cyber Command;

(C) Joint Forces Headquarters-Cyber, Navy;

(D) 10th Fleet;

(E) The Deputy Chief of Naval Operations for Information Warfare and the Director of Naval Intelligence; and

(F) Naval Information Forces.

(6) The Secretary establishing an implementation plan, including timelines and procedures, for filling the positions within the cyber mission force for which the Secretary is responsible.

(7) Any anticipated changes to the end-strength of the Navy by reason of establishing the designator and rating under subsection (a).

(d) DETERMINATION BY CYBER COMMAND.—Not later than 60 days after the date on which the Secretary submits the report under subsection (c), the Commander of United States Cyber Command shall submit to the Committees on Armed Services of the House of Representatives and Senate a determination with respect to whether the matters contained in the report satisfy the requirements of the United States Cyber Command.

**SEC. 1504. CYBER THREAT INFORMATION COLLABORATION ENVIRONMENT PROGRAM.**

(a) PROGRAM.—Not later than 120 days after the date of the enactment of this Act, pursuant to the requirements established by the Cyber Threat Data Interoperability Council under subsection (c), the Secretary of Homeland Security, acting through the Director of the Cybersecurity and Infrastructure Security Agency, in consultation with the Director of the National Security Agency, shall develop an information collaboration environment consisting of a digital environment containing technical tools for information analytics and a portal through which relevant parties may submit and automate information inputs and access the environment to enable interoperable data flow that enables Federal and non-Federal entities to identify, mitigate, and prevent malicious cyber activity by—

(1) providing access to appropriate and operationally relevant data from unclassified and classified information about cybersecurity risks and cybersecurity threats, as well as malware forensics and data from network sensor programs or network-monitoring programs, on a platform that enables querying and analysis;

(2) enabling cross-correlation of data on cybersecurity risks and cybersecurity threats at the speed

and scale necessary for rapid detection and identification;

(3) facilitating a comprehensive understanding of cybersecurity risks and cybersecurity threats; and

(4) facilitating collaborative analysis between the Federal Government and public and private sector critical infrastructure entities and information sharing 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, in coordination with other departments and agencies of the Federal Government, shall—

(A) identify existing Federal sources of classified and unclassified information on cybersecurity threats;

(B) evaluate current programs, applications, or platforms intended to detect, identify, analyze, and monitor cybersecurity risks and cybersecurity threats;

(C) consult with public and private sector critical infrastructure entities to identify public

and private critical infrastructure cyber threat capabilities, needs, and gaps; and

(D) identify existing tools, capabilities, and systems that may be adapted to achieve the purposes of the information collaboration environment developed pursuant to subsection (a) to maximize return on investment and minimize cost.

(2) IMPLEMENTATION.—

(A) IN GENERAL.—Not later than one year after completing the evaluation required under paragraph (1), the Secretary of Homeland Security, acting through the Director of the Cybersecurity and Infrastructure Security Agency, in consultation with the Director of the National Security Agency, shall achieve initial operating capability of the information collaboration environment developed pursuant to subsection (a).

(B) REQUIREMENTS.—The information collaboration environment and the technical tools for information analytics under subsection (a) shall—

(i) 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);

(ii) reflect the requirements set forth by the Cyber Threat Data Interoperability Council under subsection (c);

(iii) enable integration of current applications, platforms, data, and information, including classified information, in a manner that supports the voluntary integration of unclassified and classified information on cybersecurity risks and cybersecurity threats;

(iv) incorporate tools to manage access to classified and unclassified data, as appropriate, for appropriate individuals who have the security clearance necessary to access the highest level of classified data included in the environment;

(v) ensure accessibility by Federal entities that the Secretary of Homeland Security, in consultation with the Director of National Intelligence, the Attorney Gen-

eral, the Secretary of Defense, and the Director of the Office of Management and Budget, determines appropriate;

(vi) allow for access by public and private sector critical infrastructure entities and other private sector partners, at the discretion of the Secretary of Homeland Security and after consulting the appropriate Sector Risk Management Agency;

(vii) deploy analytic tools across classification levels to leverage all relevant data sets, as appropriate;

(viii) identify tools and analytical software that can be applied and shared to manipulate, transform, and display data and other identified needs; and

(ix) anticipate the integration of new technologies and data streams, including data from network sensor programs or network-monitoring programs deployed in support of non-Federal entities.

(C) ACCESS CONTROLS.—The owner of any data shared in the information collaboration environment shall have the authority to set and maintain access controls for such data and may

restrict access to any particular data asset for any purpose, including for the purpose of protecting intelligence sources and methods from unauthorized disclosure in accordance with section 102A(i) of the National Security Act (50 U.S.C. 3024(i)).

(3) ANNUAL REPORT REQUIREMENT ON THE IMPLEMENTATION, EXECUTION, AND EFFECTIVENESS OF THE PROGRAM.—

(A) REQUIREMENT.—Not later than one year after the date of the enactment of this Act and annually thereafter, the Secretary of Homeland Security shall submit to the National Cyber Director and appropriate congressional committees a report that details—

(i) Federal Government participation in the information collaboration environment, including the Federal entities participating in the environment and the categories of information shared by Federal entities into the environment;

(ii) non-Federal entities' participation in the information collaboration environment, including the non-Federal entities participating in the environment and the

categories of information shared by non-Federal entities into the environment;

(iii) the impact of the information collaboration environment on positive security outcomes for the Federal Government and non-Federal entities;

(iv) barriers identified to fully realizing the benefit of the information collaboration environment for both the Federal Government and non-Federal entities;

(v) additional authorities or resources necessary to successfully execute the information collaboration environment; and

(vi) identified shortcomings or risks to data security and privacy, and the steps necessary to improve the mitigation of such shortcomings or risks.

(B) FORM.—Each report under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(4) COLLABORATION BY NSA.—Any actions taken by the Director of the National Security Agency to assist in building or maintaining the information collaboration environment developed pursuant to subsection (a)—

(A) shall be carried out using amounts authorized to be appropriated to the National Security Agency for the Information Systems Security program; and

(B) may not be carried out using amounts made available under the National Intelligence Program.

(c) CYBER THREAT DATA INTEROPERABILITY COUNCIL.—

(1) ESTABLISHMENT.—There is established an interagency council, to be known as the ''Cyber Threat Data Interoperability Council'' (in this subsection referred to as the ''council''), chaired by the National Cyber Director, to establish data interoperability requirements for data streams to be accessed in the information collaboration environment.

(2) ESTABLISHMENT DATE.—The council shall commence the activities under this subsection by not later than 120 days after the date of the enactment of this Act.

(3) MEMBERSHIP.—

(A) PRINCIPAL MEMBERS.—In addition to the National Cyber Director, the council shall have as its principal members the Secretary of Homeland Security, the Director of National

Intelligence, the Attorney General, the Secretary of Defense, and the Director of the Office of Management and Budget.

(B) ADDITIONAL FEDERAL MEMBERS.—Based on recommendations submitted by the principal members, the National Cyber Director shall identify and appoint council members from Federal entities that oversee programs that generate, collect, disseminate, or analyze data or information related to cybersecurity risks and cybersecurity threats.

(C) ADVISORY MEMBERS.—The National Cyber Director shall identify and appoint advisory members from non-Federal entities that shall advise the council based on recommendations submitted by the principal members.

(4) DATA STREAMS.—The council shall identify, designate, and periodically update programs that shall participate in or be interoperable with the information collaboration environment, which may include—

(A) network-monitoring and intrusion detection programs;

(B) cyber threat indicator sharing programs;

(C) certain network sensor programs or network-monitoring programs;

(D) incident response and cybersecurity technical assistance programs; or

(E) malware forensics and reverse-engineering programs.

(5) DATA PRIVACY.—

(A) REQUIREMENT.—The council shall establish a committee to establish procedures and data governance structures, as necessary, to protect data shared in the information collaboration environment, comply with Federal regulations and statutes, and respect existing consent agreements with public and private sector critical infrastructure entities that apply to critical infrastructure information.

(B) MEMBERSHIP.—The committee shall be comprised of—

(i) the senior official for privacy of the Office of Management and Budget, who shall serve as the chair of the committee; and

(ii) privacy officers from the Department of Homeland Security, the Department of Defense, the Department of Jus-

tice, and the Office of the Director of National Intelligence.

(6) RULE OF CONSTRUCTION.—Nothing in this subsection may be construed as changing existing ownership or protection of, or policies and processes for access to, agency data.

(d) NATIONAL SECURITY SYSTEMS.—Nothing in this section shall apply to a national security system, or to cybersecurity threat intelligence related to such systems, without the consent of the owner and operator of the system.

(e) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means the following:

(A) The Committee on Homeland Security, the Committee on the Judiciary, the Committee on Armed Services, the Committee on Oversight and Reform, and the Permanent Select Committee on Intelligence of the House of Representatives.

(B) The Committee on Homeland Security and Governmental Affairs, the Committee on the Judiciary, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate.

(2) 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).

(3) The term ''cyber threat indicator'' has the meaning given such term in section 102 of the Cybersecurity Act of 2015 (6 U.S.C. 1501).

(4) The term ''cybersecurity threat'' has the meaning given such term in section 102 of the Cybersecurity Act of 2015 (6 U.S.C. 1501).

(5) The term ''data asset'' has the meaning given such term in section 3502 of title 44, United States Code.

(6) The term ''environment'' means the information collaboration environment established under subsection (a).

(7) 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).

(8) The term ''intelligence community'' has the meaning given such term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

(9) The term ''national security system'' has the meaning given such term in section 3552 of title 44, United States Code.

(10) The term ''non-Federal entity'' has the meaning given such term in section 102 of the Cybersecurity Act of 2015 (6 U.S.C. 1501).

(11) The term ''Sector Risk Management Agency'' has the meaning given such term in section 2201 of the Homeland Security Act of 2002 (6 U.S.C. 651).

**SEC. 1505. DEPARTMENT OF DEFENSE ENTERPRISE-WIDE PROCUREMENT OF CYBER DATA PRODUCTS AND SERVICES.**

Section 1521 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 2224 note) is amended—

(1) in subsection (a)(5), by inserting '', including the use of artificial intelligence-based endpoint security that prevents cyber attacks and does not require constant internet connectivity to function,'' after ''services''; and

(2) in subsection (b), by inserting '', including by enhancing the security of the software supply chain of the Department'' after ''best interests of the Department''.

**SEC. 1506. CYBERSECURITY OF MILITARY STANDARDS FOR DATA.**

(a) IN GENERAL.—No later than 270 days after enactment of this act, the principal staff assistant designated with primary responsibility for the Strategic Cybersecurity Program of the Department of Defense pursuant to paragraph (2) of section 1640(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2224 note), as amended by section 1502 of this Act, shall conduct a comprehensive review of Military Standard 1553 (in this section referred to as ''MIL–STD–1553''). At the discretion of the Secretary of Defense, the review required under this subsection may include reviews of additional serial data standards beyond MIL–STD–1553.

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

(1) An identification of programs and weapon systems currently employing MIL–STD–1553 and other serial data standards, as appropriate, across the Department of Defense, the military departments, and components, with notations for any programs previously assessed by the Strategic Cybersecurity Program.

(2) An evaluation of, and inventory for, the vulnerabilities to MIL–STD–1553 and other serial data standards, as appropriate.

(3) An inventory of potential commercial- and Government-sourced mitigations and solutions, either in use or available to program offices.

(4) An assessment of potential changes to address identified vulnerabilities to MIL–STD–1553 and other serial data standards, as appropriate.

(c) DETERMINATION.—Based on the findings of the review required under subsection (a), the Secretary of Defense shall determine whether to revise or update MIL–STD–1553 and other serial data standards, as appropriate.

(d) GUIDANCE.—Subsequent to the completion of the review required under subsection (a), the head of the Strategic Cybersecurity Program shall issue guidance across the Department for program managers involved in procuring weapon systems that use MIL–STD–1553 and other serial data standards, as appropriate. The guidance shall include information related to the potential threats to MIL–STD–1553, available mitigations and solutions, and technical resources for program managers to use in addressing issues with MIL–STD–1553 and other data serial standards, as appropriate.

(e) COMPLIANCE CERTIFICATION.—Subject to the findings for the review required under subsection (a), the senior official identified pursuant to section 1647(j) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) for a military department and the service acquisition executive (as such term is defined in section 101(10) of title 10, United States Code) shall, if applicable, issue a certification that mitigations identified by the Strategic Cybersecurity Program for assessed weapons systems have been applied and corrected. Not later than one year after the date of the enactment of this Act, such senior official and the service acquisition executive shall submit to the congressional defense committees such assessment.

(f) TEST AND EVALUATION.—The Director of Operational Test and Evaluation may include evaluations of MIL–STD–1553 and other serial data standards, as appropriate, in reports required to be provided to the congressional defense committees pursuant to law.

(g) REPORT.—Not later than 45 days after completion of the review required under subsection (a), the head of the Strategic Cybersecurity Program shall submit to the congressional defense committees—

(1) a report on the review required under subsection (a); and

(2) a copy of the guidance required under subsection (d).

# Subtitle B—Information Operations

**SEC. 1511. MILITARY OPERATIONS IN INFORMATION ENVIRONMENT: AUTHORITY AND NOTIFICATIONS.**

(a) IN GENERAL.—Chapter 19 of title 10, United States Code, is amended by inserting after section 397 the following new section (and conforming the table of contents at the beginning of such chapter accordingly):

**"§ 398. Military operations in information environment: authority and notification requirements**

''(d) NOTIFICATION REQUIREMENTS.—(1) The Secretary of Defense shall promptly submit to the appropriate congressional committees notice in writing of any clandestine military operation in the information environment conducted under this title no later than 48 hours following such operation.

''(2)(A) The Secretary shall establish and submit to the appropriate congressional committees procedures for complying with the requirements of paragraph (1). The Secretary shall promptly notify the appropriate congressional committees in writing of any changes to such proce-

dures at least 14 days prior to the adoption of any such changes.

''(B) The appropriate congressional committees shall ensure that committee procedures designed to protect from unauthorized disclosure classified information relating to national security of the United States are sufficient to protect the information that is submitted to the committees pursuant to this section.

''(C) In the event of an unauthorized disclosure of a clandestine military operation in the information environment covered by this section, the Secretary shall ensure, to the maximum extent practicable, that the appropriate congressional committees are notified immediately of the clandestine military operation in the information environment concerned. The notification under this paragraph may be verbal or written, but in the event of a verbal notification a written notification shall be provided by not later than 48 hours after the provision of the verbal notification.

''(e) PROHIBITION.—No clandestine military operation in the information environment may be conducted which is intended to influence United States political processes, public opinion, policies, or media.''.

(b) TRANSFER.—Section 1631 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1741) is amended as follows:

(1) Subsections (b), (c), and (d) are—

(A) transferred to section 398 of title 10, United States Code, as added by subsection (a) of this section;

(B) inserted before subsection (b) of such section 398; and

(C) redesignated as subsections (a), (b), and (c), respectively.

(2) Subsection (e) is—

(A) transferred to such section 398;

(B) inserted after subsection (e) of such section; and

(C) redesignated as subsection (f).

(3) Subsection (i) is—

(A) transferred to such section 398;

(B) inserted after subsection (f) of such section; and

(C) redesignated as subsection (g).

(c) QUARTERLY BRIEFINGS.—Subsection (c) of section 398 of title 10, United States Code, as added by subsection (a) of this section and designated by subsection (b), is amended by striking ''congressional defense com-

mittees'' and inserting ''appropriate congressional committees''.

(d) DEFINITIONS.—Subsection (g) of section 398 of title 10, United States Code, as added by subsection (a) of this section and designated by subsection (b), is amended—

(1) in paragraph (3), by inserting ''in the information environment'' before '', or associated''; and

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

''(4) 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.''.

**SEC. 1512. LIMITATION ON AVAILABILITY OF CERTAIN FUNDS UNTIL SUBMISSION OF JOINT LEXICON FOR TERMS RELATED TO INFORMATION OPERATIONS.**

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for

operation and maintenance, Defense-wide, and available for the Office of the Secretary of Defense for the travel of persons, not more than 75 percent may be obligated or expended until the date on which the Secretary submits to the Committees on Armed Services of the House of Representatives and the Senate the joint lexicon for terms related to information operations required by section 1631(g)(1)(D) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 397 note).

**SEC. 1513. JOINT INFORMATION OPERATIONS COURSE.**

(a) JOINT INFORMATION OPERATIONS COURSE.—The Secretary of Defense shall provide to members of the Army, Navy, Air Force, Marine Corps, and Space Force a course to prepare the members to plan and conduct information operations in a joint environment pursuant to title 10, United States Code. Such course shall include—

(1) standardized qualifications and procedures to enable the joint and synchronized employment of information-related capabilities in the information environment;

(2) joint methods to implement information operations in a battlefield environment under any ground force chain of command; and

(3) a curriculum covering applicable assets, core information operations concepts, integration of effects with a specific focus on information-related effects, operational methodology, multi-dimensional targeting space, other information-related capabilities defined by governing policy, instruction, publications, and doctrine, and any other topics or areas determined necessary by the Secretary.

(b) SEMIANNUAL REPORTS.—On a semiannual basis through January 1, 2028, the Secretary shall submit to the congressional defense committees a report on the course provided under subsection (a). Each report shall include, with respect to the period covered by the report—

(1) the number of members described in subsection (a) who attended the course; and

(2) an assessment of the value of the course in—

(A) conducting joint operations in the information environment; and

(B) the synchronized employment of information-related capabilities in the information environment.

**SEC. 1514. CONSISTENCY IN DELEGATION OF CERTAIN AUTHORITIES RELATING TO INFORMATION OPERATIONS.**

Except as otherwise provided specifically by law, if any roles or responsibilities relating to information operations are assigned pursuant to a provision of law or by the direction of the Secretary of Defense to the Under Secretary of Defense for Policy, the Under Secretary shall ensure that such roles or responsibilities are assigned or otherwise delegated to the same position within the Office of the Under Secretary of Defense of Policy.

**SEC. 1515. ASSESSMENT AND OPTIMIZATION OF DEPARTMENT OF DEFENSE INFORMATION OPERATIONS WITHIN THE CYBER DOMAIN.**

(a) ASSESSMENT AND PLAN.—Not later than 90 days after the date of the enactment of this Act, the Principal Information Operations Advisor and the Principal Cyber Advisor to the Secretary of Defense, in coordination with the Commander of the United States Cyber Command, shall complete both an assessment and an optimization plan for integrating all information and influence operations within cyberspace across the Department of Defense.

(b) ELEMENTS.—The assessment under subsection (a) shall include the following:

(1) An inventory of the components of the Department of Defense conducting information and influence operations within cyberspace.

(2) An examination of sufficiency of resources allocated for information and influence operations within cyberspace.

(3) An evaluation of the command and control, oversight, and management of matters related to information and influence operations within cyberspace across the Office of the Secretary of Defense and the Joint Staff.

(4) Any other matters determined relevant by the Principal Information Operations Advisor and the Principal Cyber Advisor to the Secretary of Defense, in coordination with the Commander of the United States Cyber Command.

(c) OPTIMIZATION PLAN.—The optimization plan under subsection (a) shall include the following:

(1) Actions that the Department will implement to integrate all Department information and influence operations within cyberspace in a manner that ensures the proper level of visibility, unity of effort, synchronization, and deconfliction.

(2) Coordination procedures within the Department to ensure that coordination with the Com-

mander of the United States Cyber Command takes place with regard to unity of effort, synchronization, deconfliction of information and influence operations within cyberspace.

(3) An evaluation of potential organizational changes required to optimize information and influence operations within cyberspace.

(4) Any other matters determined relevant by the Principal Information Operations Advisor and the Principal Cyber Advisor to the Secretary of Defense, in coordination with the Commander of the United States Cyber Command.

(d) BRIEFINGS.—Not later than 30 days after completing the assessment and optimization plan under subsection (a), the Principal Information Operations Advisor and the Principal Cyber Advisor to the Secretary of Defense, in coordination with the Commander of the United States Cyber Command, shall provide to the congressional defense committees a briefing on the assessment and plan.

(e) IMPLEMENTATION.—Not later than 180 days after the date on which the briefing is provided under subsection (d), the Secretary of Defense shall implement the optimization plan under subsection (a).

# Subtitle C—Reports and Other Matters

**SEC. 1531. ANNUAL REPORTS ON SUPPORT BY MILITARY DEPARTMENTS FOR CYBERSPACE OPERATIONS.**

Chapter 19 of title 10, United States Code, is amended by inserting after section 391 the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 391a. Annual reports on support by military departments for cyberspace operations**

''(a) REPORTS.—Not later than 15 days after the date on which the Secretary of Defense submits to Congress the defense budget materials (as defined in section 239 of this title) for fiscal year 2024 and each fiscal year thereafter, the Commander of the United States Cyber Command shall submit to the congressional defense committees a report containing the following:

''(1) An evaluation of whether each military department is meeting the requirements established by the Commander and validated by the Office of the Secretary of Defense.

''(2) For each military department evaluated under paragraph (1)—

''(A) a certification that the military department is meeting such requirements; or

''(B) a detailed explanation regarding how the military department is not meeting such requirements.

''(b) ELEMENTS OF EVALUATION.—Each evaluation under subsection (a)(1) shall include, with respect to the military department being evaluated, the following:

''(1) The adequacy of the policies, procedures, and execution of manning, training, and equipping personnel for employment within the cyber mission force.

''(2) The adequacy of the policies and procedures relating to the assignment and assignment length of members of the Army, Navy, Air Force, Marine Corps, or Space Force to the cyber mission force.

''(3) The adequacy of the investment toward cyber-peculiar science and technology advancements, with an emphasis on capability development for the cyber mission force.

''(4) The sufficiency of the policies, procedures, and investments toward the military occupational specialty, designator, rating, or Air Force specialty code responsible for cyberspace operations.

''(5) In coordination with the Principal Cyber Advisor to the Secretary of Defense, an evaluation of the use by the military department of the shared lexicon of the Department of Defense specific to cyberspace activities.

''(6) The readiness of the members contributing to the cyber mission force and the cyberspace operations forces.

''(7) Any other element determined relevant by the Commander.''.

**SEC. 1532. INDEPENDENT REVIEW OF POSTURE AND STAFFING LEVELS OF OFFICE OF THE CHIEF INFORMATION OFFICER.**

(a) IN GENERAL.—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 an appropriate non-Department of Defense entity for the conduct of a comprehensive review of the posture and staffing levels of the Office of the Chief Information Officer, as of the date of the enactment of this Act.

(b) MATTERS FOR CONSIDERATION.—An agreement under subsection (a) shall specify that the review conducted under the agreement shall include the evaluation of each of the following:

(1) Any limitations or constraints of the Office of the Chief Information Officer in the carrying out the entirety of the responsibilities specified in section 142(b) of title 10, United States Code, based on the staffing levels of the Office as of the date of the enactment of this Act.

(2) The composition of civilian, military, and contractor personnel assigned to the Office of the Chief Information Officer, as of such date, including the occupational series and military occupational specialties of such personnel, relative to the responsibilities specified in such section.

(3) The organizational construct of the Office of the Chief Information Officer, as of such date.

(c) RECOMMENDATIONS.—An agreement under subsection (a) shall specify that the review conducted under the agreement shall include recommendations for the Chief Information Officer and the congressional defense committees, including recommendations derived from the matters for consideration specified under subsection (b).

(d) SUBMITTAL TO CONGRESS.—Not later than 30 days after the date of the completion of the review required under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a copy of the review.

**SEC. 1533. COMPREHENSIVE REVIEW OF CYBER EXCEPTED SERVICE.**

(a) IN GENERAL.—Not later than 180 days after the date of enactment of this Act, the Chief Information Officer of the Department of Defense, in coordination with the Chief Digital and Artificial Intelligence Officer and the Principal Cyber Advisor of the Department and in consultation with the Under Secretary of Defense for Personnel and Readiness, shall conduct a comprehensive review of the Cyber Excepted Service established pursuant to section 1599f of title 10, United States Code.

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

(1) The potential and structural limitations of the Cyber Excepted Service, including impediments to mobility or advancement by civilian employees currently in billets coded for Cyber Excepted Service.

(2) Matters related to pay disparity and hindrances in compensation relative to the skill sets and value of such civilian employees in the private sector.

(3) Criteria for eligibility of potential Department of Defense components and entities for participation in the Cyber Excepted Service.

(4) The eligibility for participation in the Cyber Excepted Service of civilian employees who are assigned to the Office of the Chief Digital and Artificial Intelligence Officer.

(c) RECOMMENDATIONS.—The review required under subsection (a) shall include recommendations for the Secretary of Defense and the congressional defense committees with respect to the improvement of the Cyber Excepted Service, including recommendations derived from the consideration of the elements specified in subsection (b).

(d) SUBMITTAL TO CONGRESS.—Not later than 30 days after the completion of the review required under subsection (a), the Chief Information Officer shall submit to the congressional defense committees a copy of the review.

**SEC. 1534. STANDARDIZATION OF AUTHORITY TO OPERATE APPLICATIONS IN THE DEPARTMENT OF DEFENSE.**

(a) POLICY.—

(1) REQUIREMENT.—Not later than 270 days after the date of the enactment of this Act, the Chief Information Officer of the Department of Defense shall establish a policy with criteria for the reciprocity of authority to operate for software and

hardware between all networks of the Department of Defense.

(2) CONTENTS.—The policy under paragraph (1) shall contain the following:

(A) Procedures for requesting an authority to operate that applies to all networks of the Department.

(B) Guidance on when authorizing officials should grant an information technology platform that has already received an authority to operate on another network of the Federal Government a reciprocal authority to operate on a network of the Department of Defense.

(C) A standardized format for documentation to support the evaluation of a request for an authority to operate.

(b) SINGLE PLATFORM.—Not later than one year after the date of the enactment of this Act, the Chief Information Officer shall implement a single software tool or platform for the submission and review of requests for an authority to operate applications. The tool or platform shall—

(1) be used by all authorizing officials of the Department for the receipt, review, and adjudication of all such requests; and

(2) authorize persons who submit such requests to see the progress of the request at all steps in the review process.

(c) REPORT.—Not later than one year after the date of the enactment of this Act, the Chief Information Officer shall submit to the congressional defense committees a report on the following:

(1) The operational status of the software tool or platform implemented under subsection (b).

(2) A list of all networks and authorizing officials of the Department that are using the software tool or platform.

(3) A list of all networks and authorizing officials of the Department that are not using the software tool or platform.

(d) AUTHORITY TO OPERATE DEFINED.—In this section, the term ''authority to operate'' means the official management decision given by a senior organizational official to authorize operation of an information system and accept the risk to organizational operations.

# TITLE XVI—SPACE ACTIVITIES, STRATEGIC PROGRAMS, AND INTELLIGENCE MATTERS

## Subtitle A—Space Activities

### SEC. 1601. REQUIREMENTS FOR PROTECTION OF SATELLITES.

Chapter 135 of title 10, United States Code, is amended by inserting after section 2275 the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 2275a. Requirements for protection of satellites**

''(a) ESTABLISHMENT OF REQUIREMENTS.—Before a major satellite acquisition program achieves Milestone A approval, or equivalent, the Chief of Staff of the Space Force, in consultation with the Commander of the United States Space Command, shall establish requirements for the defense and resilience of the satellites under that program against the capabilities of adversaries to target, degrade, or destroy the satellites.

''(b) DEFINITIONS.—In this section:

''(1) The term 'major satellite acquisition program' has the meaning given that term in section 2275 of this title.

''(2) The term 'Milestone A approval' has the meaning given that term in section 4251 of this title 10.''.

**SEC. 1602. STRATEGY ON PROTECTION OF SATELLITES.**

(a) FINDINGS.—Congress finds the following:

(1) Both Russia and China have demonstrated the capability to target, degrade, and destroy satellites on orbit, whether through kinetic or non-kinetic means.

(2) As recently as November 15, 2021, Russia demonstrated a direct ascent antisatellite weapon.

(3) Also in 2021, China successfully ''grappled'' a satellite and dragged the satellite out of its orbit to another location in space, a capability that could be used on any other object in space, including satellites of the Department of Defense.

(b) STRATEGY.—

(1) REQUIREMENT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall make publicly available a strategy containing the actions that will be taken to defend and protect on-orbit satellites of the Department of Defense and the intelligence commu-

nity from the capabilities of adversaries to target, degrade, or destroy satellites.

(2) FORMS.—The Secretary shall—

(A) make the strategy under paragraph (1) publicly available in unclassified form; and

(B) submit to the appropriate congressional committees an annex, which may be submitted in classified form, containing supporting documents to the strategy.

(c) 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 ''intelligence community'' has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

**SEC. 1603. NATIONAL SECURITY SPACE LAUNCH PROGRAM.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the acquisition approach for phase three of the National Security Space Launch program should account for changes in the launch industry and planned architectures of the Space Force;

(2) the supply of launches for phase three may be impacted by increases in commercial space launch demand;

(3) the Secretary of the Air Force should explore new and innovative acquisition approaches to leverage launch competition within the commercial market; and

(4) in developing the acquisition strategy for phase three, the Secretary should—

(A) consider the scope of phase three manifest requirements in comparison to the Orbital Services Program and other potential contract vehicles for launches;

(B) ensure the continued assured access to space;

(C) emphasize free, fair, and open competition;

(D) capitalize on competition across the commercial launch industry;

(E) examine all possible options for awarding contracts for launches during the period

covered by the phase, including, block-buys, indefinite delivery, indefinite quantity, or a hybrid approach;

(F) consider tailorable mission assurance options informed by previous launch vehicle performance metrics;

(G) include options for adding launch providers, launch systems, or both, during the execution of phase three to address manifest changes beyond the planned national security space unique launches at the time of initial award;

(H) maintain understanding of the commercial launch industry and launch capacity needed to fulfill the requirements of the National Security Space Launch program; and

(I) allow for rapid development and on-orbit deployment of enabling and transformational technologies required to address emerging requirements, including with respect to—

(i) delivery of in-space transportation, logistics, and on-orbit servicing capabilities to enhance the persistence, sensitivity, and

resiliency of national security space missions in a contested space environment;

(ii) proliferated low-Earth orbit constellation deployment;

(iii) routine access to extended orbits beyond geostationary orbits, including cislunar orbits;

(iv) payload fairings that exceed current launch requirements;

(v) increased responsiveness for heavy lift capability;

(vi) the ability to transfer orbits, including point-to-point orbital transfers;

(vii) capacity and capability to execute secondary deployments;

(viii) high-performance upper stages;

(ix) vertical integration; and

(x) other new missions that are outside the parameters of the nine design reference missions that exist as of the date of the enactment of this Act.

(b) QUARTERLY BRIEFINGS.—On a quarterly basis until the date on which the Secretary of the Air Force awards a phase three contract, the Commander of the Space Systems Command shall provide to the appropriate

congressional committees a briefing on the development of the phase three acquisition strategy, including how the matters described subsection (a) are being considered in such strategy.

(c) NOTIFICATION OF RESULTS OF MISSION ASSIGNMENT BOARD.—Not later than 14 days after the date on which a phase two mission assignment board is completed, the Commander of the Space Systems Command shall notify the appropriate congressional committees of the launch assignment results of the board.

(d) DEFINITIONS.—In this section:

(1) The term ''appropriate congressional committees'' means—

(A) the congressional defense committees with respect to all briefings provided under subsection (b) and notifications made under subsection (c); and

(B) in addition to the congressional defense committees, the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate with respect to—

(i) briefings required under subsection (b) regarding requirements of the intel-

ligence community being incorporated into phase three planning; and

(ii) notifications made under subsection (c) regarding an assignment that includes capabilities being launched for the intelligence community.

(2) The term ''intelligence community'' has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

(2) The term ''phase three'' means, with respect to the National Security Space Launch program, launch missions ordered under the program after fiscal year 2024.

(3) The term ''phase two'' means, with respect to the National Security Space Launch program, launch missions ordered under the program during fiscal years 2020 through 2024.

**SEC. 1604. RESPONSIVE SPACE STRATEGY, PRINCIPLES, MODEL ARCHITECTURE, AND IMPLEMENTATION PLANS.**

(a) STRATEGY, PRINCIPLES, AND MODEL ARCHITECTURE.—Not later than 270 days after the date of the enactment of this Act, the Chief of Space Operations and the Commander of the United States Space Command shall jointly develop a responsive space strategy, prin-

ciples, and a model architecture to be implemented across the United States Space Command and the Combined Force Space Component Command.

(b) ELEMENTS.—The responsive space strategy, principles, and model architecture under subsection (a) shall include, at a minimum, the following elements:

(1) Prioritized policies and procedures.

(2) Policies specific to launch, buses, payloads, ground infrastructure, and networks.

(3) Specification of enterprise-wide acquisitions of capabilities conducted pursuant to the policies referred to in paragraph (2).

(4) Roles, responsibilities, functions, and operational workflows of responsive space architecture and infrastructure personnel—

(A) of the Army, Navy, Air Force, Marine Corps, and Space Force and the combatant commands; and

(B) the Combined Force Space Component Command.

(c) ARCHITECTURE DEVELOPMENT AND IMPLEMENTATION.—In developing and implementing the responsive space strategy, principles, and model architecture under subsection (a), the Chief of Space Operations and the

Commander of the United States Space Command shall coordinate with—

(1) the Space Acquisition Council;

(2) the Director of the Defense Advanced Research Projects Agency;

(3) the Chairman of the Joints Chiefs of Staff; and

(4) any other component of the Department of Defense, as jointly determined by the Chief of Space Operations and the Commander.

(d) IMPLEMENTATION PLANS.—

(1) IN GENERAL.—The Chief of Space Operations and the Commander of the United State Space Command shall ensure that, not later than one year after the finalization of the responsive space strategy, principles, and model architecture under subsection (a), each Space Force delta transmits to the Chief and the Commander a draft plan to implement such responsive space strategy, principles, and model architecture with respect to such delta.

(2) ELEMENTS.—Each implementation plan under paragraph (1) shall include, at a minimum, the following with respect to the Space Force delta covered by the plan:

(A) Specific acquisitions, implementations, instrumentations, and operational workflows to be implemented across responsive space architectures and infrastructures.

(B) A detailed schedule with target milestones and required expenditures.

(C) Interim and final metrics, including a phase mitigation plan.

(D) Identification of additional funding, authorities, organizational changes and policies, as may be required.

(E) Requested waivers, exceptions to policies of the Department of Defense, and expected delays.

(e) IMPLEMENTATION OVERSIGHT.—The Chief of Space Operations shall—

(1) assess the implementation plans under subsection (d)(1) for—

(A) adequacy and responsiveness to the responsive space strategy, principles, and model architecture under subsection (a); and

(B) appropriate use of enterprise-wide acquisitions;

(2) ensure, at a high level, the interoperability and compatibility of individual implementation plans of the Space Force deltas;

(3) track the use of waivers and exceptions to policy;

(4) develop a Responsive Space Scorecard to track and drive implementation of the plans by the Space Force Deltas; and

(5) leverage the authorities of the Commander of the United States Space Command to begin implementation of such responsive space strategy, principles, and model architecture.

(f) INITIAL BRIEFINGS.—

(1) RESPONSIVE SPACE STRATEGY, PRINCIPLES, AND MODEL ARCHITECTURE.—Not later than 90 days after finalizing the responsive space strategy, principles, and model architecture under subsection (a), the Chief of Space Operations and the Commander of the United States Space Command shall provide to the congressional defense committees a briefing on such responsive space strategy, principles, and model architecture.

(2) IMPLEMENTATION PLANS.—Not later than 90 days after the receipt by the Chief of Space Operations of an implementation plan transmitted

under to subsection (d)(1), the Chief shall provide to the congressional defense committees a briefing on such implementation plan.

(g) ANNUAL BRIEFING.—During each annual briefing provided by the Chief of Space Operations to the congressional defense committees on the budget occurring during the period beginning February 1, 2023, and ending January 1, 2031, the Chief shall provide updates on the implementation of the responsive space strategy, principles, and architecture under subsection (a).

(h) NOTIFICATION REFORMS.—Section 9021(c) of title 10, United States Code, is amended—

(1) by striking paragraph (2); and

(2) by striking ''(1) The Council'' and inserting ''The Council''.

**SEC. 1605. RESPONSIVE SPACE DEMONSTRATIONS.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that demonstrating the ability of the United States to rapidly respond to adversarial threats to the space systems of the United States serves as a compelling strategic deterrent to adversaries and informs how responsive, resilient, and affordable space and launch capabilities can help counter growing adversarial threats on an operationally relevant timeline.

(b) ESTABLISHMENT OF PROGRAM.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Chief of Space Operations and the Commander of the United States Space Command, shall establish a program to demonstrate responsive space capabilities through operational exercises, wargames, and table-top exercises.

(c) INITIAL DEMONSTRATION.—

(1) MISSION.—In carrying out the program under subsection (b), the Secretary shall conduct a rapid reconstitution deterrence demonstration mission to—

(A) design, develop, and understand the benefit of rapid space reconstitution and space augmentation;

(B) simulate real-world scenarios through wargames and table-top exercises, including contested environment scenarios, in which threats to the space capabilities of the United States may be offset or mitigated by responsive space capabilities;

(C) validate the ability to provide an end-to-end responsive space mission with responsive launch, satellite deployment, and data to users within rapid mission call-up timelines; and

(D) integrate such launches with the joint force under simulated contested conditions through the rapid deployment of launch infrastructure to existing Major Range and Test Facility Bases.

(2) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the mission under paragraph (1), including—

(A) an assessment of the mission with respect to the operational and strategic benefits to the space-related missions of the Department of Defense;

(B) a proposed organization and management structure of the mission;

(C) a timeline for implementing the demonstrations under the mission; and

(D) budget estimates and financial forecast for the demonstrations.

**SEC. 1606. ALLIED RESPONSIVE SPACE CAPABILITIES.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) it is in the common interest of the United States and allies and partners of the United States

to strive for accessibility and flexibility for delivering assets into space on a responsive timeline;

(2) the United States should implement joint United States-allied space missions that demonstrate rapid, rapid launch, reconstitution and satellite augmentation from locations in the Indo-Pacific, European, and other theaters of operations;

(3) the United States should leverage allied and partner spaceports to diversify and disaggregate launch sites across the world for a multitude of missions, including national security missions; and

(4) it is important for the United States to have operational and contracting steps established with allies and partners to ensure readiness and preparedness for responding to or deterring any unknown threats.

(b) INITIATIVES.—The Secretary of the Defense and the Secretary of State shall jointly—

(1) ensure that responsive space capabilities of the Department of Defense align with initiatives by Five Eyes countries, member states of the North Atlantic Treaty Organization, and other allies to promote a globally responsive space architecture; and

(2) designate a single official responsible for coordinating responsive space activities with allied partners.

(c) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State, in coordination with the Commander of the United States European Command, the Commander of the United States Indo-Pacific Command, the Commander of the United States Space Command, and the Secretary of State, shall jointly 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 a report assessing current investments and partnerships by the United States with allies of the United States with respect to responsive space efforts. The report shall include the following:

(1) An assessment of the benefits of leveraging allied and partner spaceports for responsive launch.

(2) A discussion of current and future plans to engage with allies and partners with respect to activities ensuring rapid reconstitution or augmentation of the space capabilities of the United States and allies.

(3) An assessment of the shared costs and technology between the United States and allies, including leveraging investments from the Pacific Deterrence Initiative and the European Deterrence Initiative.

(d) FIVE EYES COUNTRIES DEFINED.—In this section, the term ''Five Eyes countries'' means the following:

(1) Australia.

(2) Canada.

(3) New Zealand.

(4) The United Kingdom.

(5) The United States.

**SEC. 1607. REPORT ON TACTICALLY RESPONSIVE SPACE CAPABILITIES.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the Space Safari tactically responsive launch-2 mission of the Space Systems Command of the Space Force successfully demonstrated the ability of the Space Force to rapidly integrate, launch, and operate a satellite on orbit on a timeline that would be needed for rapid reconstitution or to respond to real-time hostile activities occurring in the domain;

(2) the Space Force should continue these efforts, and broaden the program beyond the logistics of launch and operations to also focus on lifecycle concepts of operation, as well as any contractual mechanisms that should be required in future programs to take into account the need for rapid reconstitution and responsiveness;

(3) the Chief of Space Operations should formalize tactically responsive requirements for all space capabilities carried out under title 10, United States Code; and

(4) to take into totality the effort required for tactically responsive launch, the Space Force should consider adding a corresponding budget line item for ''Tactically Responsive Space'' to fund areas beyond launch that would contribute to responsive space activities.

(b) REPORT.—Not later than 30 days after the date on which the budget of the President for fiscal year 2024 is submitted to Congress pursuant to section 1105 of title 31, United States Code, the Chief of Space Operations shall submit to the congressional defense committees a report on planned tactically responsive space activities pursuant to section 1609 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021

(Public Law 116–283; 10 U.S.C. 2271 note) included during the period covered by the most recent future-years defense program submitted under section 221 of title 10, United States Code (as of the date of the report), including a detailed budget plan for launch activities and all other efforts needed to enable tactically responsive space capabilities.

**SEC. 1608. SENSE OF CONGRESS ON RANGE OF THE FUTURE AND SUPPORT TO COMMERCIAL SPACE LAUNCH ACTIVITY.**

It is the sense of Congress that—

(1) section 1610 of the National Defense Authorization Act for Fiscal Year 2022 contained a provision requiring the United States Space Force to deliver a report on its Range of the Future initiative;

(2) based on the details in that report, that the Nation's launch service providers, consistent with decades of national policy, now lead the world in space access, that United States leadership in this strategic capability is critical to national security and economic vitality, and that it is critical to the Nation to continue encouraging and enabling United States space access capabilities to flourish;

(3) the rapid growth of the commercial launch industry places a growing demand on Department of Defense resources at Federal space launch ranges, and that this demand growth will continue for the foreseeable future;

(4) the 1960s-era infrastructure of the two Department of Defense launch ranges primarily responsible for meeting its assured access to space mission under section 2273 of title 10, United States Code, and complying with section 2276 of such title, is under increasing strain, and needs to be replaced with a modern, state of the art launch infrastructure that encourages and enables continued growth and leadership in space access;

(5) maintenance of common use critical infrastructure like roads, culverts, bridges, deluge and water treatment facilities, supply lines, and electrical networks, among others, require immediate attention;

(6) investments in infrastructure have not kept pace with commercial demand primarily due to existing authorities which limit reimbursement, flexible financial investment facilities, and reinvestment of revenue in spaceport sustainment, modernization, and growth;

(7) the burgeoning commercial space industry requires a more holistic, responsive process leveraging public and private investment;

(8) the Department of Defense is constrained to provide services to commercial users only when not needed for public use, yet at the same time must promote commercial space launch capabilities as a critical enabler to national security;

(9) the United States Space Force has made great use of existing authorities and those provided by other non-Federal entities to leverage other sources of commercial and State investment to keep pace with demand;

(10) a similar State business development entity would be useful for supporting commercial space launch capability development in California at Vandenberg Space Force Base and other spaceports, and Congress looks forward to assisting the Department of Defense in improving its ability to plan and support commercial innovation while continuing to provide world class launch and test facilities; and

(11) the Secretary and the Department should engage with all stakeholders, including NASA, other relevant Federal agencies, and the associated congressional authorizing committees of jurisdiction, in

any reporting, negotiation, policy, and potential legislative proposals on this matter.

# Subtitle B—Defense Intelligence and Intelligence-Related Activities

## SEC. 1621. CONGRESSIONAL OVERSIGHT OF CLANDESTINE ACTIVITIES THAT SUPPORT OPERATIONAL PREPARATION OF THE ENVIRONMENT.

Section 127f of title 10, United States Code, is amended—

(1) by redesignating subsections (e) and (f) as subsections (f) and (g), respectively; and

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

''(e) QUARTERLY BRIEFING.—On a quarterly basis, the Under Secretary of Defense for Intelligence and Security, in coordination with the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, shall provide to the congressional defense committees a briefing outlining the clandestine activities carried out pursuant to subsection (a) during the period covered by the briefing, including—

''(1) an update on such activities carried out in each geographic combatant command and a description of how such activities support the respective theater campaign plan;

''(2) an overview of the authorities and legal issues, including limitations, relating to such activities; and

''(3) any other matters the Under Secretary considers appropriate.''.

**SEC. 1622. EXECUTIVE AGENT FOR EXPLOSIVE ORDNANCE INTELLIGENCE.**

(a) IN GENERAL.—Subchapter I of chapter 21 of title 10, United States Code, is amended by adding at the end the following new section:

**''§ 430c. Executive agent for explosive ordnance intelligence**

''(a) DESIGNATION.—The Secretary of Defense shall designate the Director of the Defense Intelligence Agency as the executive agent for explosive ordnance intelligence.

''(b) DEFINITIONS.—In this section:

''(1) The term 'explosive ordnance intelligence' means technical intelligence relating to explosive ordnance (as defined in section 283(d) of this title), including with respect to the processing, production, dissemination, integration, exploitation, evaluation, feedback, and analysis of explosive ordnance using the skills, techniques, principles, and knowledge of explosive ordnance disposal personnel regarding fuzing, firing systems, ordnance disassembly, and

development of render safe techniques, procedures and tools, publications, and applied technologies.

''(2) The term 'executive agent' has the meaning given the term 'DoD Executive Agent' in Directive 5101.1.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 430b the following new item:

''430c. Executive agent for explosive ordnance intelligence.''.

(c) DATE OF DESIGNATION.—The Secretary of Defense shall make the designation under section 430c of title 10, United States Code, as added by subsection (a), by not later than 30 days after the date of the enactment of this Act.

**SEC. 1623. INFORMATION ON COVER AND COVER SUPPORT ACTIVITIES.**

(a) INFORMATION.—Not less frequently than quarterly, the Secretary of Defense shall provide to the appropriate congressional committees information on the cover and cover support activities of the Department of Defense, including commercial activities conducted pursuant to section 431 of title 10, United States Code.

(b) ELEMENTS.—The Secretary shall ensure that the information provided under subsection (a) includes, with

respect to the period covered by the information, the following:

(1) A detailed description of each activity, operation, or other initiative for which an element of the Department of Defense has provided cover or engaged in cover support activities, including—

(A) a description of the specific cover and cover support activities; and

(B) whether such cover and cover support activities began before or during such period.

(2) Any other matters the Secretary determines appropriate.

(c) FORM.—The information under subsection (a) may be provided in classified form.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees; and

(2) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

# Subtitle C—Nuclear Forces

**SEC. 1631. IMPROVEMENTS TO NUCLEAR WEAPONS COUNCIL.**

(a) MEETINGS.—Subsection (b) of section 179 of title 10, United States Code, is amended—

(1) in paragraph (1), by inserting ''and (4)'' after ''paragraph (2)''; and

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

''(4) At least once annually, the Council shall hold a meeting that includes the Deputy Secretary of Defense, who may serve as chair for that meeting.''.

(b) RESPONSIBILITIES.—Subsection (d) of such section is amended—

(1) by redesignating paragraphs (10), (11), and (12) as paragraphs (11), (12), and (13), respectively;

(2) by inserting after paragraph (9) the following new paragraph (10):

''(10) With respect to nuclear warheads—

''(A) reviewing military requirements, performance requirements, and planned delivery schedules to evaluate whether such requirements and schedules create significant risks to

cost, schedules, or other matters regarding production, surveillance, research, and other programs relating to nuclear weapons within the National Nuclear Security Administration; and

''(B) if any such risk exists, proposing and analyzing adjustments to such requirements and schedules.''; and

(3) by striking paragraph (13), as so redesignated, and inserting the following new paragraph (13):

''(13) Coordinating risk management efforts between the Department of Defense and the National Nuclear Security Administration relating to the nuclear weapons stockpile, the nuclear security enterprise (as defined in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501)), and the delivery platforms for nuclear weapons, including with respect to identifying and analyzing risks and proposing actions to mitigate risks.''.

(c) REPORTS RELATING TO SAFETY.—Subsection (e) of such section is amended by striking ''conducted by the Council'' and inserting ''for which the Council has received a briefing''.

(d) PLANS AND BUDGET.—Subsection (f) of such section is amended to read as follows:

''(f) REVIEW AND ASSESSMENT OF PLANS AND BUDGET TO SUPPORT NUCLEAR WEAPONS REQUIREMENTS.—(1) The Council shall annually review the plans and budget of the National Nuclear Security Administration and assess whether such plans and budget meet the current and projected requirements relating to nuclear weapons.

''(2) Not later than 30 days after the President submits to Congress the budget for a fiscal year under section 1105(a) of title 31, the Council shall submit to the congressional defense committees a report containing the following:

''(A) The assessment conducted under paragraph (1) with respect to that budget.

''(B) An assessment of—

''(i) whether the funding requested for the National Nuclear Security Administration in such budget—

''(I) enables the Administrator for Nuclear Security to meet requirements relating to nuclear weapons for such fiscal year; and

''(II) is adequate (as determined pursuant to section 4717 of the Atomic Energy Defense Act (50 U.S.C. 2757) to im-

plement the objectives of the Department of Defense with respect to nuclear weapons for that fiscal year; and

''(ii) whether the plans and budget reviewed under paragraph (1) will enable the Administrator to meet the requirements to produce war reserve plutonium pits under section 4219(a) of such Act (50 U.S.C. 2538a(a)).

''(C) If the assessment under subparagraph (B)(ii) determines that the plans and budget reviewed under paragraph (1) will not enable the Administrator to meet the requirements to produce war reserve plutonium pits under section 4219(a) of the Atomic Energy Defense Act (50 U.S.C. 2538a(a))—

''(i) an explanation for why the plans and budget will not enable the Administrator to meet such requirements; and

''(ii) proposed alternative plans, budget, or requirements by the Council to meet such requirements.

''(3) If a member of the Council does not concur in an assessment under paragraph (2), the report under such paragraph shall include a written explanation from the non-concurring member describing the reasons for the member's non-concurrence.

''(4) In this subsection, the term 'budget' has the meaning given that term in section 231(f) of this title.''.

(e) UPDATES ON MEETINGS.—Subsection (g)(1)(A) of such section is amended by inserting before the semicolon the following: ''and the members who attended each meeting''.

(f) CONFORMING AMENDMENT.—Section 4717(b)(2) of the Atomic Energy Defense Act (50 U.S.C. 2757(b)(2)) is amended—

(1) in subparagraph (A), by inserting ''and'' after the semicolon; and

(2) by striking subparagraphs (B) and (C) and inserting the following new subparagraph (B):

''(B) submit to the congressional defense committees the information required under section 179(f)(2) of title 10, United States Code.''.

**SEC. 1632. PORTFOLIO MANAGEMENT FRAMEWORK FOR NUCLEAR FORCES.**

(a) IN GENERAL.—Chapter 24 of title 10, United States Code, is amended by adding at the end the following new section (and conforming the table of sections at the beginning of such chapter accordingly):

**"§ 499c. Portfolio management framework for nuclear forces**

''(a) REQUIREMENT.—Not later than January 1, 2024, the Secretary of Defense shall—

''(1) implement a portfolio management framework for nuclear forces of the United States that—

''(A) specifies the portfolio of nuclear forces covered by the framework;

''(B) establishes a portfolio governance structure for such forces that takes advantage of, or is modeled on, an existing portfolio governance structure, such as the Deputy's Management Action Group described in Department of Defense Directive 5105.79;

''(C) outlines the approach of the Secretary for identifying and managing risk relating to such forces and prioritizing the efforts among such forces, including how the Secretary will coordinate such identification, management, and prioritization with the Secretary of Energy; and

''(D) incorporates the findings and recommendations identified by the Comptroller General of the United States in the report titled 'Nuclear Enterprise: DOD and NNSA Could Further Enhance How They Manage Risk and

Prioritize Efforts' (GAO–22–104061) and dated January 2022; and

''(2) complete a comprehensive assessment of the portfolio management capabilities required to identify and manage risk in the portfolio of nuclear forces.

''(b) ANNUAL BRIEFINGS.—(1) In conjunction with the submission of the budget of the President to Congress pursuant to section 1105 of title 31 for fiscal year 2025 and each fiscal year thereafter, the Secretary shall provide to the congressional defense committees a briefing on identifying and managing risk relating to nuclear forces and prioritizing the efforts among such forces, including, with respect to the period covered by the briefing—

''(A) the current and projected operational requirements for nuclear forces that were used for such identification, management, and prioritization;

''(B) key areas of risk identified; and

''(C) a description of the actions proposed or carried out to mitigate such risk.

''(2) The Secretary may provide the briefings under paragraph (1) in classified form.

''(c) NUCLEAR FORCES DEFINED.—In this section, the term 'nuclear forces' includes, at a minimum—

''(1) nuclear weapons;

''(2) the delivery platforms and systems for nuclear weapons;

''(3) nuclear command, control, and communications systems; and

''(4) the supporting infrastructure for nuclear weapons, the delivery platforms and systems for nuclear weapons, and nuclear command, control, and communications systems, including related personnel, facilities, construction, operation, and maintenance.''.

(b) INITIAL BRIEFING.—

(1) REQUIREMENT.—Not later than June 1, 2023, the Secretary of Defense shall provide to the congressional defense committees a briefing on the progress of the Secretary to—

(A) develop the portfolio management framework for nuclear forces under section 499c of title 10, United States Code, as added by subsection (a); and

(B) complete the assessment described in subsection (a)(2) of such section.

(2) FORM.—The Secretary may provide the briefings under paragraph (1) in classified form.

**SEC. 1633. MODIFICATION OF ANNUAL ASSESSMENT OF CYBER RESILIENCE OF NUCLEAR COMMAND AND CONTROL SYSTEM.**

(a) QUARTERLY BRIEFINGS.—Subsection (d) of section 499 of title 10, United States Code, is amended to read as follows:

''(d) QUARTERLY BRIEFINGS.—(1) Not less than once every quarter, the Deputy Secretary of Defense and the Vice Chairman of the Joint Chiefs of Staff shall jointly provide to the Committees on Armed Services of the House of Representatives and the Senate—

''(A) a briefing on any intrusion or anomaly in the nuclear command, control, and communications system that was identified during the previous quarter, including—

''(i) an assessment of any known, suspected, or potential impacts of such intrusions and anomalies to the mission effectiveness of military capabilities as of the date of the briefing; and

''(ii) with respect to cyber intrusions of contractor networks known or suspected to have resulted in the loss or compromise of design information regarding the nuclear command, control, and communications system; or

''(B) if no such intrusion or anomaly occurred with respect to the quarter to be covered by that briefing, a notification of such lack of intrusions and anomalies.

''(2) In this subsection:

''(A) The term 'anomaly' means a malicious, suspicious or abnormal cyber incident that potentially threatens the national security or interests of the United States, or that is likely to result in demonstrable harm to the national security of the United States.

''(B) The term 'intrusion' means an unauthorized and malicious cyber incident that compromises a nuclear command, control, and communications system by breaking the security of such a system or causing it to enter into an insecure state.''.

(b) CONFORMING REPEAL.—Section 171a of title 10, United States Code, is amended—

(1) by striking subsection (h); and

(2) by redesignating subsections (i) through (l) as subsections (h) through (k), respectively.

**SEC. 1634. NUCLEAR-CAPABLE SEA-LAUNCHED CRUISE MISSILE.**

(a) FINDINGS.—Congress finds the following:

(1) Several senior military officers, including the Chairman and Vice Chairman of the Joint Chiefs of Staff and the Commander of United States Strategic Command, have offered their support for continued research and development of a nuclear-capable sea-launched cruise missile to strengthen nuclear deterrence.

(2) Deploying a nuclear-capable sea-launched cruise missile on naval vessels would ''not come without a cost'', as was testified by Chief of Naval Operations Admiral Mike Gilday. Admiral Gilday described the challenges associated with training, sustainability, reliability, and readiness that would be associated with adding a nuclear mission and went on to say that he was ''not convinced yet that we need to make a $31,000,000,000 investment in that particular system to close that particular gap''. Instead, he recommended keeping ''a small amount of money'' for research and development of the nuclear-capable sea-launched cruise missile as the Department of Defense seeks to better understand the implications of living with two nuclear-armed peer competitors.

(b) REPORTS.—

(1) DETERRENCE.—Not later than 270 days after the date of the enactment of this Act, the Secretary of the Defense shall submit to the congressional defense committees a report that describes the approach by the Department of Defense for deterring theater nuclear employment by Russia and China, including—

(A) an assessment of the current and future theater nuclear capabilities and doctrine of Russia and China;

(B) an explanation of the strategy and capabilities of the United States for deterring theater nuclear employment; and

(C) a comparative assessment of options for strengthening deterrence of theater nuclear employment, including pursuit of the nuclear-capable sea-launched cruise missile and other potential changes to the nuclear and conventional posture and capabilities of the United States.

(2) COST.—Not later than 270 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report that describes the full cost of developing, producing, fielding, and maintaining nu-

clear-capable sea-launched cruise missiles through at least 2050, including—

(A) the costs associated with research and development and production of the missile;

(B) the costs associated with modifications to port infrastructure;

(C) the costs associated with nuclear certification, personnel training, and operations; and

(D) any other incremental costs compared to sustaining and operating nonnuclear naval vessels.

(3) OPERATIONAL LIMITATIONS.—Not later than 270 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report that describes any operational limitations and trade-offs that would be associated with deploying nuclear-capable sea-launched cruise missiles on naval vessels, including—

(A) the effect of allocating missile or torpedo tubes from conventional munitions to nuclear munitions;

(B) operational constraints and trade-offs associated with reserving or limiting naval ves-

sels on account of nuclear mission requirements;

(C) trade-offs in posture and capabilities that the Navy would likely face if the Navy had to allocate more resources to a nuclear-capable missiles; and

(D) any other issues identified by the Secretary.

(4) DEVELOPMENT.—Not later than 270 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall submit to the congressional defense committees a report that describes the cost and timeline of developing and producing a warhead for a nuclear-capable sea-launched cruise missile, including—

(A) the cost of developing, producing, and sustaining the warhead;

(B) the timeline for the design, production, and fielding of the warhead; and

(C) an assessment of how the pursuit of the warhead would affect other planned warhead activities of the National Nuclear Security Administration, including whether there would be risk to the cost and schedule of other warhead programs of the Administration if the Ad-

ministrator added a nuclear-capable sea-launched cruise missile warhead to the portfolio of such programs.

(5) PREFERRED COURSE OF ACTION.—To inform the reports under this subsection, 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 identifying one or more preferred courses of action from among the actions identified in the analysis of alternatives for a nuclear-capable sea-launched cruise missile.

(c) LIMITATION.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense or the National Nuclear Security Administration may be obligated or expended for a purpose specified in paragraph (2) until—

(A) each of the reports under subsection (b) have been submitted to the congressional defense committees; and

(B) the Secretary of Defense, in coordination with the Administrator for Nuclear Security, certifies to the congressional defense com-

mittees that the development and deployment of a nuclear-capable sea-launched cruise missile is required to meet a valid military requirement and would not create significant risk to conventional or nuclear deterrence by constraining conventional military operations or trading-off with the pursuit of other conventional or nuclear military capabilities.

(2) FUNDS SPECIFIED.—The purposes specified in this paragraph are the following:

(A) With respect to the Department of Defense, system development and demonstration of a nuclear-capable sea-launched cruise missile.

(B) With respect to the National Nuclear Security Administration, development engineering for a modified, altered, or new warhead for a sea-launched cruise missile.

(d) DEFINITIONS.—In this section:

(1) The term ''development engineering'' means activities under phase 3 of the joint nuclear weapons life cycle (as defined in section 4220 of the Atomic Energy Defense Act (50 U.S.C. 2538b) or phase 6.3 of a nuclear weapons life extension program.

(2) The term ''system development and demonstration'' means the activities occurring in the

phase after a program achieves Milestone B approval (as defined in section 4172 of title 10, United States Code).

**SEC. 1635. LIMITATION ON AVAILABILITY OF CERTAIN FUNDS UNTIL SUBMISSION OF INFORMATION RELATING TO PROPOSED BUDGET FOR NUCLEAR-ARMED SEA-LAUNCHED CRUISE MISSILE.**

In addition to the limitation under section 1640 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat. 2092), of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Office of the Secretary of the Navy for travel by the Secretary of the Navy, not more than 50 percent may be obligated or expended until the Secretary submits to the congressional defense committees all written communications from or to personnel of the Department of the Navy regarding the proposed budget amount or limitation for the nuclear-armed sea-launched cruise missile contained in the defense budget materials (as defined by section 231(f) of title 10, United States Code) relating to the Navy for fiscal year 2023.

**SEC. 1636. PROHIBITION ON REDUCTION OF THE INTERCONTINENTAL BALLISTIC MISSILES OF THE UNITED STATES.**

(a) PROHIBITION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended for the following, and the Department may not otherwise take any action to do the following:

(1) Reduce, or prepare to reduce, the responsiveness or alert level of the intercontinental ballistic missiles of the United States.

(2) Reduce, or prepare to reduce, the quantity of deployed intercontinental ballistic missiles of the United States to a number less than 400.

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

(1) The maintenance or sustainment of intercontinental ballistic missiles.

(2) Ensuring the safety, security, or reliability of intercontinental ballistic missiles.

(3) Facilitating the transition from the Minuteman III intercontinental ballistic missile to the Sentinel intercontinental ballistic missile (previously referred to as the ''ground-based strategic deterrent weapon'').

# Subtitle D—Missile Defense Programs

### SEC. 1641. REPEAL OF REQUIREMENT TO TRANSITION BALLISTIC MISSILE DEFENSE PROGRAMS TO THE MILITARY DEPARTMENTS.

Section 1676 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 4205 note) is amended by striking subsection (b).

### SEC. 1642. FIRE CONTROL ARCHITECTURES.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the new missile track and warning architecture in the budget request of the President for fiscal year 2023 makes a needed and significant shift to a more resilient and robust capability that will be necessary to address future threats in the domain;

(2) the tranche 1 and 2 capabilities of the Space Development Agency are critical to such new architecture and should continue to be funded appropriately to deliver missile track and warning capability from low-Earth orbit in the mid-2020s timeframe;

(3) section 1645 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat.

4062) directs the Director of the Missile Defense Agency to develop a sensor payload to be integrated into architecture of the Space Development Agency or Space Force to provide fire control quality data that would enable the interception of both ballistic and hypersonic threats;

(4) as the Space Warfighting Analysis Center of the Space Force reviews candidate architectures for fire control quality data, the Center should take into account the investment made to date and capability being developed by the hypersonic and ballistic tracking space sensor program for integration into the future architecture; and

(5) the Center should also consider current or planned programs of the intelligence community that could be integrated to increase the ability to contribute to fire control architectures of the Department of Defense.

(b) FIRE CONTROL QUALITY DATA REQUIREMENT.—In carrying out the analysis of candidate fire control architectures, the Secretary of the Air Force shall ensure that the Director of the Space Warfighting Analysis Center of the Space Force, at a minimum, maintains the requirements needed for the missile defense command and control, battle management, and communications system

to pass the needed quality data within the timelines needed for current and planned interceptor systems to support engagements of ballistic and hypersonic threats as described in section 1645 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. 4062).

(c) BRIEFING.—Not later than 14 days after the date on which the Director of the Space Warfighting Analysis Center concludes the analysis of candidate fire control architectures, the Director shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on the results of the analysis, including the findings of the Director and the architecture recommended by the Director for a future fire control architecture to support engagement of ballistic and hypersonic threats.

**SEC. 1643. LIMITATION ON AVAILABILITY OF CERTAIN FUNDS UNTIL REQUIRED ACQUISITION AUTHORITY DESIGNATION RELATING TO CAPABILITY TO DEFEND THE HOMELAND FROM CRUISE MISSILES.**

(a) FINDING.—Congress finds that the Secretary of Defense has yet to designate a military department or Defense Agency with acquisition authority with respect to the capability to defend the homeland from cruise missiles in

accordance with section 1684(e) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 4205 note).

(b) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense for travel by the Deputy Secretary of Defense, not more than 90 percent may be obligated or expended until the Secretary of Defense designates a military department or Defense Agency with acquisition authority with respect to the capability to defend the homeland from cruise missiles.

(c) DEFENSE AGENCY DEFINED.—In this section, the term ''Defense Agency'' has the meaning given that term in section 101(a)(11) of title 10, United States Code.

**SEC. 1644. LIMITATION ON AVAILABILITY OF FUNDS UNTIL SUBMISSION OF REPORT ON LAYERED DEFENSE FOR THE HOMELAND.**

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Office of the Secretary of Defense for operating the Office of Space Policy, not more than 75 percent may be obligated or expended until the Secretary of Defense submits to the congressional defense committees the report described in House Report 117–118 under the heading ''Layered Defense for the Homeland''.

**SEC. 1645. MIDDLE EAST INTEGRATED AIR AND MISSILE DEFENSE.**

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of State and the Director of National Intelligence, shall seek to cooperate with allies and partners of the United States in the area of responsibility of the United States Central Command to improve integrated air and missile defense capability to protect the people, infrastructure, and territory of such allies and partners from cruise and ballistic missiles, manned and unmanned aerial systems, and rocket attacks from Iran. The Secretary shall seek to cooperate with countries that have the ability to contribute to, adopt, and maintain an integrated air and missile defense capability, and a commitment to countering air and missile threats to bring security to the region.

(b) STRATEGY.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, consistent with the protection of intelligence sources and methods, the Secretary shall submit to the appropriate congressional committees a strategy on increasing cooperation with allies and partners in the area of responsibility of the United States Central Command to implement an integrated air and missile defense architecture to protect the people, infra-

structure, and territory of such allies and partners from cruise and ballistic missiles, manned and unmanned aerial systems, and rocket attacks from Iran.

(2) CONTENTS.—The strategy submitted under paragraph (1) shall include the following for countries the Secretary determines meets the characteristics of subsection (a):

(A) An assessment of the threat of ballistic and cruise missiles, manned and unnamed aerial systems, and rocket attacks from Iran.

(B) A description of current efforts to coordinate indicators and warnings from such attacks with allies and partners in the region.

(C) An analysis of United States allied and partner systems currently in the region to defend against air and missile attacks

(D) An explanation of how an integrated regional air and missile defense architecture would improve collective security in the Central Command area of responsibility, similar to that of the European Command.

(E) A description of efforts to engage specified foreign partners in establishing such an architecture.

(F) An identification of any challenges in establishing an integrated air and missile defense architecture with specified foreign partners.

(G) A description of relevant coordination with the Secretary of State and the ways in which such an architecture advances United States regional diplomatic goals and objectives.

(H) Such other matters as the Secretary considers relevant.

(3) PROTECTION OF SENSITIVE INFORMATION.—Any activity carried out under paragraph (1) shall be conducted in a manner that appropriately protects sensitive information and the national security interests of the United States.

(4) FORMAT.—The strategy submitted under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Affairs and the Permanent Select Committee on Intelligence of the House of Representatives.

(3) The Committee on Foreign Relations and the Select Committee on Intelligence of the Senate.

**SEC. 1646. STRATEGY TO USE ASYMMETRIC CAPABILITIES TO DEFEAT HYPERSONIC MISSILE THREATS.**

(a) REQUIREMENT.—Not later than March 1, 2023, the Secretary of Defense, acting through the Director of the Missile Defense Agency, shall submit to the congressional defense committees a comprehensive layered strategy to use asymmetric capabilities to defeat hypersonic missile threats.

(b) ELEMENTS.—The strategy under subsection (a) shall—

(1) address all asymmetric capabilities of the United States, including with respect to—

(A) directed energy, as described in section 1664 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 205 note) and including short-pulse laser technology;

(B) microwave systems;

(C) cyber capabilities; and

(D) any other capabilities determined appropriate by the Secretary and Director; and

(2) identify the funding required to implement the strategy during the period covered by the future-

years defense program submitted to Congress under section 221 of title 10, United States Code, in 2023.

**SEC. 1647. REPORT ON INTEGRATED AIR AND MISSILE DEFENSE SENSOR OF UNITED STATES INDO-PACIFIC COMMAND.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that the budget of the President for fiscal year 2023 submitted to Congress pursuant to section 1105 of title 31, United States Code—

(1) includes funding to develop and procure an integrated air and missile defense architecture to defend Guam that includes multiple mobile components located across Guam, however, a full assessment of the manning and infrastructure needed to support those components, including items such as power, water, and availability of personnel housing, was not included in the overall determination of feasibility; and

(2) did not include funding for the continued development of the discrimination radar for homeland defense planned to be located in Hawaii because of an ongoing reevaluation of the missile defense posture and sensor architecture in the area of responsibility of the United States Indo-Pacific Command.

(b) REPORT.—

(1) REQUIREMENT.—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 the findings of the review conducted by the Secretary of the integrated air and missile defense sensor architecture of the United States Indo-Pacific Command.

(2) INVESTMENTS.—The report under paragraph (1) shall identify the investments that should be made to increase the detection of non-ballistic threats and improve the discrimination of ballistic missile threats, particularly with regard to Hawaii.

(3) FORM.—The report under paragraph (1) shall be submitted in unclassified form, and may include a classified annex.

(c) REVIEW OF INTEGRATED AIR AND MISSILE DEFENSE ARCHITECTURE TO DEFEND GUAM.—

(1) REQUIREMENT.—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 an independent assessment of the integrated air and missile defense architecture to defend Guam.

(2) ELEMENTS.—The assessment under paragraph (1) shall include an analysis of each of the following:

(A) The proposed architecture capability to address non-ballistic and ballistic missile threats to Guam, including the sensor, command and control, and interceptor systems being proposed.

(B) The development and integration risk of the proposed architecture.

(C) The manning required to operate the proposed architecture, including the availability of housing and infrastructure on Guam to support the needed manning levels.

(3) SUBMISSION.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees the assessment under paragraph (1), without change.

**SEC. 1648. RISK REDUCTION IN PROCUREMENT OF GUAM MISSILE DEFENSE SYSTEM.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the defense of Guam and the Armed Forces that operate there is of key strategic significance

and is one of the top priorities for United States Indo-Pacific Command and the United States;

(2) the most severe adversary threat to Guam consists of long-range hypersonic and cruise missiles launched from a variety of air, land, and sea-based platforms;

(3) the current plan of the Missile Defense Agency using a mixed architecture which, when applied to the launcher systems, relies on numerous road-mobile transport erector launchers for launching, and is an unproven and high-risk plan; and

(4) the existing vertical launch system, which can accommodate the standard missile–3 and the standard missile–6, is a more capable and tested system and provides reasonable risk reduction to the short-term missile defense of Guam, and in the long term provides much needed capacity increase.

(b) AUTHORITY FOR PROCUREMENT.—Except as provided by subsection (c), not later than December 31, 2023, the Secretary of Defense, acting through the Director of the Missile Defense Agency, shall rapidly procure and field up to three vertical launching systems that can accommodate planned interceptors operated by the Navy as of the date of the enactment of this Act.

(c) WAIVER.—The Secretary may waive the requirement under subsection (b) if—

(1) the Secretary determines that the waiver is in the best interest of the national security of the United States;

(2) the Secretary submits to the congressional defense committees a notification of such waiver, including a justification; and

(3) a period of 120 days has elapsed following the date of such notification.

**SEC. 1649. PLAN ON DELIVERING SHARED EARLY WARNING SYSTEM DATA TO CERTAIN ALLIES AND PARTNERS OF THE UNITED STATES.**

(a) FINDINGS.—Congress finds the following:

(1) The Shared Early Warning System currently provides accurate and timely ballistic missile warning information generated by space-based infrared sensors to the United States and select foreign countries.

(2) As has been demonstrated in Russia's unlawful invasion of and war in Ukraine, missile warning data provided to allies and partners of the United States could allow for critical warning to prevent widespread civilian casualties.

(3) The rapid technical fielding of Shared Early Warning System capabilities should be prioritized in future bilateral defense negotiations with allies and partners of the United States.

(b) PLAN.—The Secretary of Defense, with the concurrence of the Secretary of State and the Director of National Intelligence, shall develop a technical fielding plan to deliver information under the Shared Early Warning System regarding a current or imminent missile threat to allies and partners of the United States that, as of the date of the plan, do not receive such information.

(c) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report on how rapid technical fielding of the Shared Early Warning System could be provided to allies and partners of the United States that—

(1) are not member states of the North Atlantic Treaty Organization; and

(2) are under current or imminent hostile aggression and threat of missile attack.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Affairs and the Permanent Select Committee on Intelligence of the House of Representatives.

(3) The Committee on Foreign Relations and the Select Committee on Intelligence of the Senate.

**SEC. 1650. REPORTS ON GROUND-BASED INTERCEPTORS.**

Not later than 30 days after the date of the enactment of this Act, and on a quarterly basis thereafter until the date on which the next generation interceptor achieves initial operating capability, the Director of the Missile Defense Agency, with the concurrence of the Commander of the United States Northern Command, shall submit to the congressional defense committees a report that includes the following:

(1) An identification of the number of ground-based interceptors operationally available to the Commander.

(2) If such number is different from the report previously submitted under this section, the reasons for such difference.

(3) Any anticipated changes to such number during the period covered by the report.

**SEC. 1651. REPORT ON MISSILE DEFENSE INTERCEPTOR SITE IN CONTIGUOUS UNITED STATES.**

(a) REQUIREMENT.—Not later than March 31, 2023, the Secretary of Defense, acting through the Director of the Missile Defense Agency, shall submit to the congressional defense committees a report containing—

(1) an updated assessment of the requirement for a missile defense interceptor site in the contiguous United States; and

(2) a funding profile, by year, of the total costs for the development and construction of such site, considering the designation of Fort Drum, New York, as the conditionally designated preferred site.

(b) FUNDING.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Missile Defense Agency for unspecified military construction planning and design, not more than $5,000,000 may be obligated or expended for activities associated with a missile defense interceptor site in the contiguous United States described in subsection (a).

# Subtitle E—Other Matters

**SEC. 1661. COOPERATIVE THREAT REDUCTION FUNDS.**

(a) FUNDING ALLOCATION.—Of the $341,598,000 authorized to be appropriated to the Department of Defense for fiscal year 2023 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, $6,859,000.

(2) For chemical security and elimination, $14,998,000.

(3) For global nuclear security, $18,088,000.

(4) For biological threat reduction, $225,000,000.

(5) For proliferation prevention, $45,890,000.

(6) For activities designated as Other Assessments/Administration Costs, $30,763,000.

(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 2023, 2024, and 2025.

**SEC. 1662. STUDY OF WEAPONS PROGRAMS THAT ALLOW THE ARMED FORCES TO ADDRESS HARD AND DEEPLY BURIED TARGETS.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the ability of the United States to hold at risk hard and deeply buried targets now and in the future is critical; and

(2) while the Department of Defense is undertaking a study of nuclear and nonnuclear options to hold at risk this growing target set, Congress is concerned about the progress of this study.

(b) STUDY.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff and the Commander of the United States Strategic Command, and in consultation with the Administrator for Nuclear Security, shall submit to the congressional defense committees a study on options to hold at risk hard and deeply buried targets.

(c) ELEMENTS.—The study under subsection (b) shall include the following:

(1) An analysis of the current and emerging hard and deeply buried target mission set and associated military requirements, including—

(A) the number and locations of the targets; and

(B) the associated military requirements for the United States Strategic Command, including the importance of threatening the targets to meeting the objectives of the United States.

(2) A study of weapons programs that allow the Armed Forces to address hard and deeply buried targets, including—

(A) any nuclear or nonnuclear weapon and delivery system the Secretary determines appropriate, including the cost, timeline for fielding, and likely effectiveness of any capability under consideration; and

(B) an assessment of a service life extension program of the B83 nuclear gravity bomb as one of the options.

(3) A proposed strategy for fielding capabilities and making other adjustments to the strategy and plans of the United States to account for the growing hard and deeply buried target set, including a five-year funding profile for the preferred alternative weapon and the secondary alternative weapon studied under paragraph (2).

(d) BRIEFING.—Upon completion of the study under subsection (b), the Secretary shall provide the Committees on Armed Services of the House of Representatives and the Senate a briefing on the findings and recommendations of the study.

# TITLE XVII—MUNITIONS REPLENISHMENT AND FUTURE PROCUREMENT

### SEC. 1701. MODIFICATION TO SPECIAL DEFENSE ACQUISITION FUND.

Section 114(c)(1) of title 10, United States Code, is amended by striking ''$2,500,000,000'' and inserting ''$3,500,000,000''.

### SEC. 1702. DEVELOPMENT OF TECHNOLOGIES WITH RESPECT TO CRITICAL, PREFERRED, AND PRECISION-GUIDED CONVENTIONAL MUNITIONS.

(a) IN GENERAL.—Subject to the availability of appropriations, the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Secretaries of the Army, Navy, and Air Force and the heads of the Defense Agencies, shall develop and invest in the following with respect to critical, preferred, and precision-guided conventional munitions:

(1) Technologies to—

(A) reduce the costs of such munitions;

(B) increase the reliability and lethality of such munitions; and

(C) simplify the manufacturing processes for such munitions.

(2) Technologies related to the diversification of the supply chains relevant to the production of such munitions.

(3) The development of novel methods to more easily and affordably manufacture such munitions, including the capability of rapid production scaling to meet required demand.

(b) TYPES OF TECHNOLOGIES.—The types of technologies developed under subsection (a) shall include—

(1) the additive manufacturing of components, including energetics;

(2) expeditionary manufacturing;

(3) simplified supply chains, including, where possible, the use of open source, commercial, and commercial-derived technologies, including microelectronics; and

(4) such other technologies as the Under Secretaries determine appropriate.

(c) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Under Secretaries shall

jointly submit to the congressional defense committees a report on the plan to carry out this section.

**SEC. 1703. SENSE OF CONGRESS AND QUARTERLY BRIEFINGS ON REPLENISHMENT AND REVITALIZATION OF STOCKS OF TACTICAL MISSILES PROVIDED TO UKRAINE.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the delivery of anti-tank and air defense missiles and munitions to Ukraine by the United States and numerous allies and partners around the world has had a crucial impact on the ability of Ukraine to resist Russia's illegal invasion;

(2) the war in Ukraine has demonstrated the utility of these weapons in contemporary military conditions;

(3) it is vital to continue providing Ukraine with such assistance, as needed, in an appropriately rapid and sustained manner;

(4) the ability of the Department of Defense to support replenishment of these stocks is a matter of major importance for—

(A) the provision of additional support, as needed, to Ukraine;

(B) the defense needs of the United States; and

(C) the defense needs of allies and partners that have provided, or are considering providing, their own stocks to assist Ukraine.

(5) in response to the March 18, 2022, letter sent by the Chairman and Ranking Member of the Committee on Armed Services of the House of Representatives, the Department of Defense responded effectively with efforts to buy down strategic risk and accelerate production of air defense munitions;

(6) the effort to replace existing stocks while prioritizing the rapid development of a low-cost, exportable evolution of a short-range air defense system should proceed as quickly and efficiently as possible;

(7) the Department of Defense should continue to develop and pursue this strategy while providing full transparency into its efforts to buy down strategic risk and engaging in substantial dialogue regarding the path forward;

(8) the Department of Defense should use its authorities to work with allies and partners in a focused and sustained manner to advance the replenishment of munitions stocks for allies and partners

that have provided, or are contemplating providing, such equipment to Ukraine, in order to ensure they are capable of meeting ongoing alliance and partnership deterrence and security needs.

(b) QUARTERLY BRIEFINGS.—The Secretary of Defense shall provide to Congress quarterly briefings, in accordance with subsection (c), on the progress of the Department of Defense toward replenishing and sustaining the production capacity and stocks of covered systems that have been delivered to Ukraine as part of the effort to—

(1) support Ukraine's resistance against Russian aggression; and

(2) buy down strategic risks.

(c) ELEMENTS OF BRIEFINGS.—

(1) BRIEFINGS ON US STOCKS.—The Secretary of Defense shall provide to the congressional defense committees quarterly briefings that include each of the following:

(A) A timeline and budgetary estimate for developing and procuring replacement stocks of covered systems for the United States.

(B) An identification of any opportunities to allow vendors to compete for agreements to produce next-generation short-range tactical

missiles, launchers, fire controls, and any other supporting equipment.

(C) An analysis of risks within the industrial base that provides support for covered systems, and detailed options to mitigate those risks.

(D) A discussion of options to maximize competition among providers of covered systems and components thereof, and an identification of any gaps in legal authority to pursue and achieve the objectives of maximizing competition and replenishing and sustaining the production capacity of covered systems.

(E) An update on the use of the authorities of the Department of Defense to replenish and sustain the production capacity and stocks of covered systems referred to in subsection (b).

(2) BRIEFINGS ON STOCKS OF ALLIES AND PARTNERS.—The Secretary of Defense 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 quarterly briefings that include each of the following:

(A) A timeline and budgetary estimate for developing and procuring replacement stocks of covered systems for allies and partners of the United States.

(B) An update on the efforts of the Department to work with allies and partners of the United States to advance the replenishment of munitions stocks for such allies and partners that have provided, or are contemplating providing, such stocks to Ukraine.

(d) COVERED SYSTEM.—In this section, the term ''covered system'' means any short-range tactical missile (including any SHORAD or anti-tank missile), loitering munition, drone, or ammunition.

(e) TERMINATION.—The requirement to provide quarterly briefings under this section shall terminate on December 31, 2026.

**SEC. 1704. ASSESSMENT OF ACQUISITION OBJECTIVES FOR PATRIOT AIR AND MISSILE DEFENSE BATTALIONS.**

(a) FINDINGS; SENSE OF CONGRESS.—

(1) FINDINGS.—Congress finds the following:

(A) The unlawful Russian invasion of and war in Ukraine has highlighted the importance

of lower tier air and missile defense capabilities in the European Area of Command.

(B) The emergency supplemental appropriations request by the President for the situation in Ukraine for fiscal year 2022 included funding for a 16th Patriot air and missile defense system battalion, which increases the long standing inventory requirement by one battalion.

(2) SENSE OF CONGRESS.—It is the sense of Congress that given the evolving cruise- and ballistic-missile threat from rogue nations and near-peer adversaries, particularly in regional scenarios, the Secretary of the Army should reassess the current battalion and interceptor acquisition objectives for the Patriot air and missile defense system to determine if 16 battalions and 3,376 Patriot advanced capability-3 missile segment enhancement missiles are still valid.

(b) ASSESSMENT.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Army shall assess and validate the battalion and interceptor acquisition objectives, as of the date of the enactment of this Act, for the Patriot air and missile defense

system and Patriot advanced capability-3 missile segment enhancement missiles.

(c) REPORT.—Not later than 30 days after the date on which the Secretary completes the assessment under subsection (b), the Secretary shall submit to the congressional defense committees a report on the assessment, including whether the acquisition objectives described in such subsection are valid or should be modified.

(d) AUTHORITY.—Subject to the availability of appropriations for such purpose, the Secretary of the Army may procure up to four additional Patriot air and missile defense battalions to achieve a total of up to 20 such battalions.

**SEC. 1705. FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER ANALYSIS OF DEPARTMENT OF DEFENSE CAPABILITY AND CAPACITY TO REPLENISH MISSILE AND MUNITION INVENTORIES.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the ongoing war in Ukraine has highlighted the importance of understanding the defense industrial base gaps and limitations of replenishing inventories of critical, preferred, and precision-guided weapon systems; and

(2) the ability of the Department of Defense to replenish critical munitions in the event of a conflict with a strategic competitor lasting not less than six months is of critical importance to the national security interests of the United States.

(b) FFRDC STUDY.—

(1) 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 an agreement with an appropriate federally funded research and development center for the conduct of a detailed analysis of the capability of the Department of Defense replenish inventory of the weapons described in paragraph (3) to address long-range strike capabilities, including against naval surface and subsurface, as well as land-based forces, air superiority, interdiction, air and missile defense, and hard and deeply buried target mission areas. Such an agreement shall provide that an analysis conducted pursuant to the agreement shall be completed within 180 days.

(2) MATTERS FOR CONSIDERATION.—An analysis conducted pursuant to an agreement under paragraph (1) shall include a consideration of each of the following with respect to the weapons described in paragraph (3):

(A) Any gaps in current or near-term production capability through 2025 or capacity due to the loss, impending loss, or obsolescence of manufacturers or suppliers of items, raw materials, or software, along with recommendations to address the highest priority gaps.

(B) The capability to significantly increase current levels of production beyond steady-state demand requirements, including an assessment of sub-tier supplier capacity, capability, and rates of production.

(C) The predicted production capability and capacity during the time period beginning in 2025 and ending in 2035, including the capability and any recommendations to significantly increase production during that time period.

(D) The reliance of the United States on materials and parts that are produced or sourced in foreign countries, particularly in the case of such reliance on a sole-source producer or supplier, an identification of countries of origin of such materials and parts, and associated recommendations to address any priority vulnerabilities.

(E) The capacity of the organic industrial base, including both Government-operated and contractor-operated facilities, to support surge production, and an identification of the weapons that each such facilities is equipped, or could be equipped, to produce.

(3) WEAPONS DESCRIBED.—The weapons described in this paragraph are each of the following:

(A) Evolved sea sparrow missile.

(B) MK 48 heavyweight torpedo.

(C) Standard missile variants (SM-6, SM-3 block IB and SM-3 block IIA).

(D) Patriot guided missiles.

(E) Terminal high altitude area defense interceptors.

(F) Guided and ballistic missiles fired from the multiple launch rocket system (MLRS) or the high mobility artillery rocket system (HIMARS).

(G) Javelin missile.

(H) Stinger missile.

(I) Air intercept missile (AIM)-9X-Sidewinder.

(J) AIM-120D - Advanced medium range air-to-air missile (AMRAAM).

(K) Air to ground (AGM)-114 - hellfire missile.

(L) Small diameter bomb II.

(M) Joint direct attack munition.

(N) Advanced penetrating bombs.

(O) Enhanced fragmentation bombs.

(P) Low collateral damage bombs.

(Q) Tomahawk land attack missile.

(R) Maritime strike tomahawk.

(S) Long range anti-ship missile.

(T) Naval strike missile.

(U) Joint air-to-surface standoff missile-extended range.

(V) Harpoon anti-ship missile.

(W) Any other weapon that the Secretary of Defense or the federally funded research and development center determine should be included in the analysis.

(4) REPORT.—

(A) IN GENERAL.—Not later than 180 days after entering into an agreement under subsection (a), the Secretary shall submit to the congressional defense committees a report containing the unaltered results of the analysis completed pursuant to the agreement.

(B) FORM.—The report required under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

**SEC. 1706. OUT-YEAR UNCONSTRAINED TOTAL MUNITIONS REQUIREMENT, OUT-YEAR INVENTORY NUMBERS, AND CRITICAL MUNITIONS RESERVE.**

(a) ANNUAL REPORTING REQUIREMENTS.—Section 222c of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking ''the chief of staff of each armed force (other than the Coast Guard)'' and inserting ''the Under Secretary of Defense for Acquisition and Sustainment'';

(B) by striking ''such armed force'' and inserting ''each armed force (other than the Coast Guard)''; and

(C) by inserting ''for each critical munitions program'' after ''the following'';

(2) by striking subsection (b);

(3) by redesignating subsections (c) and (d) as subsections (b) and (c), respectively;

(4) by amending subsection (c), as so redesignated, to read as follows:

''(c) IMPLEMENTATION GUIDANCE USED.—A report required to be submitted under subsection (a) for a fiscal

year shall include a description and explanation of the munitions requirements process implementation guidance developed by the Under Secretary of Defense for Acquisition and Sustainment and used by each armed force for the munitions requirements process for such armed force for that fiscal year. Such description and explanation shall include each of the following:

''(1) A list of configurations fielded as of the date of the submittal of the report.

''(2) The percentage of the total munitions inventory that is fielded, by configuration.

''(3) The average shelf life and age of the munitions in the inventory and the percentage of the munitions in the inventory that will exceed shelf life during the ten-year period following the date of the submittal of the report.

''(4) The number of years required to meet the out-year unconstrained total munitions requirement at the rate requested for the fiscal year covered by the report.

''(5) The average rate of procurement during the three-year period preceding the date of the submittal of the report, and the number of years required to meet the out-year unconstrained total munitions requirement at such three-year average rate.

''(6) The additional amount of funding that would be required, for each fiscal year, to meet the out-year unconstrained total munitions requirement for each munition by the end of the period covered by the most recent future-years defense program submitted to Congress pursuant to section 221 of this title.

''(7) Such other information as the Under Secretary determines is appropriate.'';

(5) by inserting after subsection (c) the following new subsection (d):

''(d) CRITICAL MUNITIONS RESERVE.—(1) For each critical munitions program, the Under Secretary of Defense for Acquisition and Sustainment shall establish and maintain a critical munitions reserve, through which the Under Secretary shall procure longest lead sub-components, concurrent with year production, to provide the capability to quickly access the amount of critical munitions inventory required for one or more years in order to accelerate the delivery of such munitions.

''(2) A critical munitions reserve under paragraph (1) may take the form of a rotable pool to facilitate the timely use of critical munitions material while producing sufficient quantities of such material to maintain an ongoing reserve of such material.

''(3) The Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees quarterly reports on the critical munitions reserves maintained under this paragraph, which shall include the recommendations of the Under Secretary with respect to—

''(A) the management of the critical munition reserves, including any recommendations for legislative changes; and

''(B) critical munitions components for inclusion in the critical munitions reserves and funding requirements for each such component.''; and

(6) in subsection (e), as so redesignated, by striking paragraph (1) and inserting the following new paragraph (1):

''(1) The term 'critical munition' means a munition that—

''(A) is considered to be among the most important for executing plan objectives in one or more conflict scenarios;

''(B) has an inventory that is insufficient to meet the requirements of the national defense strategy under section 113(g) of this title; and

''(C) has a projected inventory that is forecasted to remain insufficient at the end of the period covered by the future-years defense program most recently submitted to Congress pursuant to section 221 of this title.''.

(b) REPORT ON CRITICAL MUNITIONS RESERVE.—Not later than 90 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 on the progress of the Under Secretary in establishing the critical munitions reserves required by subsection (d) of section 222c of title 10, United States Code, as added by subsection (a)(5).

**SEC. 1707. IDENTIFICATION OF SUBCONTRACTORS FOR CRITICAL MUNITIONS CONTRACTS.**

(a) IDENTIFICATION OF SUBCONTRACTORS.—Not later than 210 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment shall carry out a pilot program to establish a process for identifying subcontractors (at any tier) that, on the date on which the process described in subsection (a) is implemented—

(1) are performing one or more critical munitions contracts; and

(2)(A) provide products to a prime contractor or a higher-tier subcontractor for such prime contractor under such a contract; or

(B) are responsible for the storage or handling of controlled unclassified information under such a contract.

(b) USE OF FRAMEWORK.—The Under Secretary shall, to the extent practicable, use the framework developed under section 4819 of title 10, United States Code, to carry out the pilot program established under this section.

(c) IMPLEMENTATION PLAN.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall submit to the congressional defense committees an implementation plan for the pilot program required by this section. Such plan shall include the following:

(1) Information on the practices that will be used to apply processes established under the pilot program, including an identification of any practices used by the Missile Defense Agency or the Strategic Capabilities Office that identify subcontractors (at any tier) for covered contracts.

(2) A list of programs of the Department of Defense to which the Under Secretary will apply the process established under this section.

(d) RECOMMENDATIONS.—Not later than 90 days after the implementation of the pilot program required by this section, the Under Secretary shall submit to the congressional defense committees recommendations on the feasibility of expanding, beginning on or after November 1, 2023, the pilot program established under this section to Department of Defense program under which a DO-rated order or a DX-rated order may be placed.

(e) DEFINITIONS.—In this section:

(1) The term ''covered contract'' means a critical munitions contract for which a subcontractor (at any tier)—

(A) provides products to a prime contractor or a higher-tier subcontractor for such prime contractor; or

(B) is responsible for the storage or handling of controlled unclassified information.

(2) The term ''critical munition'' has the meaning given such term in section 1705 of this Act.

(3) The term ''critical munitions contract'' means a contract between the Department of De-

fense and a prime contractor for the procurement of critical munitions.

(4) The term ''DO-rated order'' means an order with a priority rating of ''critical to national defense'' in the Defense Priorities and Allocation System pursuant to part 700 of title 15, Code of Federal Regulations (or any successor regulation).

(5) The term ''DX-rated order'' means an order with a priority rating of ''highest national defense urgency'' in the Defense Priorities and Allocation System pursuant to part 700 of title 15, Code of Federal Regulations (or any successor regulation).

**SEC. 1708. STUDY ON STOCKPILES AND PRODUCTION OF CRITICAL GUIDED MUNITIONS.**

(a) STUDY.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall complete a study to determine how rapidly stockpiles of the United States of critical guided munitions would become depleted in the event of the involvement of the United States in a large-scale conflict.

(b) MATTERS.—The study under subsection (a) shall include, at a minimum, the following:

(1) Modeling of the monthly munitions expenditure of the United States in the scenario of a large-scale conflict (lasting for a period of at least 180

days) in Europe during fiscal year 2025, at various levels of conflict intensity, including conflicts involving 25, 50, and 75 percent of the force structure of the land, naval, and air forces of the active Armed Forces.

(2) Modeling of the monthly munitions expenditure of the United States in the scenario of a large-scale conflict (lasting for a period of at least 180 days) in East Asia during fiscal year 2025, at various levels of conflict intensity, including conflicts involving 25, 50, and 75 percent of the force structure of the land, naval, and air forces of the active Armed Forces.

(3) An analysis of how rapidly stockpiles of the United States of critical guided munitions would become depleted in each of the scenarios referred to in paragraphs (1) and (2) for, at a minimum, the following munitions:

(A) Air Intercept Missile-260.

(B) Joint Direct Attack Munition.

(C) Long Range Anti-Ship Missile.

(D) Naval Strike Missile.

(E) Standard Missile-2.

(F) Standard Missile-6.

(G) Harpoon Anti-ship Missile.

(H) MK-48 torpedo.

(I) Each variant of the following:

(i) Air Intercept Missile-9.

(ii) Air Intercept Missile-120.

(iii) Army Tactical Missile System.

(iv) Guided Multiple Launch Rocket System.

(v) Javelin.

(vi) Joint Air-to-Surface Standoff Missile.

(vii) Patriot Missile.

(viii) Precision Strike Missile.

(ix) Stinger.

(x) Tomahawk Cruise Missile.

(4) An analysis of the time and resources that would be necessary to restart production lines for the critical guided munitions specified in paragraph (3) that, as of the period during which the study is conducted, are not in production by the United States.

(5) An analysis of the time and resources that would be necessary to increase the monthly production of critical guided munitions to meet the expenditure rates projected pursuant to the modeling under paragraphs (1) and (2).

(c) REPORT AND BRIEFING.—

(1) IN GENERAL.—Not later than 120 days after the date of the completion of the study under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a report, and provide to the congressional defense committees a briefing, on the study. Such report shall contain the following:

(A) A summary of the findings of the study.

(B) Recommendations to expedite the production of the munitions specified in subsection (b)(3).

(2) FORM.—The report under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.

(d) CRITICAL GUIDED MUNITION.—In this section, the term ''critical guided munition'' means—

(1) any munition specified in subsection (b)(3); and

(2) any other munition designated as such by the Secretary of Defense.

# DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

**SEC. 2001. SHORT TITLE.**

This division and title XLVI of division D may be cited as the ''Military Construction Authorization Act for Fiscal Year 2023''.

**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 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, 2025; or

(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2026.

(b) EXCEPTION.—Subsection (a) shall not apply to authorizations for military construction projects, land acquisition, family housing projects and facilities, and con-

tributions 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, 2025; or

(2) the date of the enactment of an Act authorizing funds for fiscal year 2026 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 AND AUTOMATIC EXECUTION OF CONFORMING CHANGES TO TABLES OF SECTIONS, TABLES OF CONTENTS, AND SIMILAR TABULAR ENTRIES.**

(a) EFFECTIVE DATE.—Titles XXI through XXVII shall take effect on the later of—

(1) October 1, 2022; or

(2) the date of the enactment of this Act.

(b) ELIMINATION OF NEED FOR CERTAIN SEPARATE CONFORMING AMENDMENTS.—

(1) AUTOMATIC EXECUTION OF CONFORMING CHANGES.—When an amendment made by a provision of this division to a covered defense law adds a section or larger organizational unit to the covered

defense law, repeals or transfers a section or larger organizational unit in the covered defense law, or amends the designation or heading of a section or larger organizational unit in the covered defense law, that amendment also shall have the effect of amending any table of sections, table of contents, or similar table of tabular entries in the covered defense law to alter the table to conform to the changes made by the amendment.

(2) EXCEPTIONS.—Paragraph (1) shall not apply to an amendment described in such paragraph when—

(A) the amendment, or a separate clerical amendment enacted at the same time as the amendment, expressly amends a table of sections, table of contents, or similar table of tabular entries in the covered defense law to alter the table to conform to the changes made by the amendment; or

(B) the amendment otherwise expressly exempts itself from the operation of this section.

(3) COVERED DEFENSE LAW.—In this subsection, the term ''covered defense law'' means—

(A) titles 10, 32, and 37 of the United States Code;

(B) any national defense authorization Act or military construction authorization Act that authorizes funds to be appropriated for a fiscal year to the Department of Defense; and

(C) any other law designated in the text thereof as a covered defense law for purposes of application of this section.

# TITLE XXI—ARMY MILITARY CONSTRUCTION

## SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—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:

**Army: Inside the United States**

| State | Installation or Location | Amount |
|---|---|---|
| Colorado | Fort Carson | $14,200,000 |
| Louisiana | Fort Polk | $32,000,000 |
| North Carolina | Fort Bragg | $34,000,000 |
| New Jersey | Picatinny Arsenal | $3,654,000 |
| Pennsylvania | Letterkenny Army Depot | $38,000,000 |
| Texas | Corpus Christi Army Depot | $103,000,000 |
| | Fort Bliss | $15,000,000 |
| Washington | Joint Base Lewis-McChord | $49,000,000 |

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects outside 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 outside the United States, and in the amounts, set forth in the following table:

**Army: Outside the United States**

| State | Installation | Amount |
|---|---|---|
| Germany | East Camp Grafenwoehr | $168,000,000 |
| Kwajalein | Kwajalein Atoll | $69,000,000 |

**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 and supporting facilities) at the installation, in the number of units or for the purpose, and in the amount set forth in the following table:

**Army: Family Housing**

| Country | Installation or Location | Units | Amount |
|---|---|---|---|
| Germany | Baumholder | Family Housing New Construction | $57,000,000 |

**Army: Family Housing**—Continued

| Country | Installation or Location | Units | Amount |
|---|---|---|---|
| Italy ..... | Vincenza ..... | Family Housing New Construction ..... | $95,000,000 |

(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 $17,339,000.

**SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2022, 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.

(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 may not exceed the total amount authorized to be appropriated under

subsection (a), as specified in the funding table in section 4601.

**SEC. 2104. DEMOLITION OF DISTRICT OF COLUMBIA FORT MCNAIR QUARTERS 4, 13, AND 15.**

Not later than one year after the date on which all the individuals occupying District of Columbia Fort McNair Quarters 4, 13, and 15, as of the date of the enactment of this Act, have moved out of such Quarters, the Secretary of the Army shall demolish such Quarters.

**SEC. 2105. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECT.**

In the case of the authorization contained in the table in section 2101(b) of the Military Construction Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2242) for Camp Tango, Korea, for construction of a command and control facility at the installation, the Secretary of the Army may increase scope for a dedicated, enclosed egress pathway out of the underground facility to facilitate safe escape in case of fire.

**SEC. 2106. EXTENSION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECTS.**

(a) EXTENSION.—(1) Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorization set forth in the table in para-

graph (2), as provided in section 2101(b) of that Act (131 Stat. 1819), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(2) The table referred to in paragraph (1) is as follows:

**Army: Extension of 2018 Project Authorization**

| Country | Installation or Location | Project | Original Authorized Amount |
|---|---|---|---|
| Korea ..... | Kunsan Air Base ..... | Unmanned Aerial Vehicle Hangar ... | $53,000,000 |

(b) ARMY FAMILY HOUSING.—(1) Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorization set forth in the table in paragraph (2), as provided in section 2102 of that Act (131 Stat. 1820), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(2) The table referred to in paragraph (1) is as follows:

**Army: Extension of 2018 Project Authorization**

| Country | Installation or Location | Project | Original Authorized Amount |
|---|---|---|---|
| Kwajalein ..... | Kwajalein Atoll ..... | Family Housing Replacement Construction ..... | $31,000,000 |

**SEC. 2107. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECTS.**

(a) KUNSAN AIR BASE, KOREA.—In the case of the authorization contained in the table in section 2101(b) of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1819) for Kunsan Air Base, Korea, for construction of an Unmanned Aerial Vehicle Hangar at the installation, the Secretary of the Army may—

(1) construct the hangar at Camp Humphries, Korea; and

(2) remove primary scope associated with the relocation of the air defense artillery battalion facilities to include a ground based missile defense equipment area, fighting positions, a missile resupply area air defense artillery facility, a ready building and command post, a battery command post area, a safety shelter, and a guard booth.

(b) KWAJALEIN ATOLL, HWAJALEIN.—Section 2879(a)(1)(A) of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–

91; 131 Stat. 1874) is amended by striking ''at least 26 family housing units'' and inserting ''not more than 26 family housing units''.

# 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:

**Navy: Inside the United States**

| State | Installation or Location | Amount |
|---|---|---|
| California | Marine Corps Base Ground Combat Center Twentynine Palms. | $120,382,000 |
| | Marine Corps Base Camp Pendleton | $85,210,000 |
| | Naval Air Station Lemoore | $201,261,000 |
| | Naval Base Point Loma | $56,450,000 |
| Connecticut | Naval Submarine Base New London | $15,514,000 |
| Florida | Naval Air Station Jacksonville | $86,232,000 |
| | Naval Air Station Whiting Field | $57,789,000 |
| Georgia | Naval Submarine Base Kings Bay | $279,171,000 |
| Guam | Marine Corps Base Camp Blaz | $330,589,000 |
| Hawaii | Marine Corps Base Kaneohe Bay | $87,930,000 |
| | Joint Base Pearl Harbor- Hickam | $3,637,692,000 |
| North Carolina | Marine Corps Air Station Cherry Point | $38,415,000 |
| | Marine Corps Base Camp Lejeune | $47,475,000 |
| Nevada | Naval Air Station Fallon | $97,865,000 |
| Virginia | Naval Station Norfolk | $16,863,000 |
| Washington | Naval Air Station Whidbey Island | $37,461,000 |

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2203(a) and available for military construction 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 installation outside the United States, and in the amount, set forth in the following table:

**Navy: Outside the United States**

| Country | Installation or Location | Amount |
|---|---|---|
| Australia | Royal Australian Air Base Darwin | $258,831,000 |
| Japan | Kadena Air Base | $195,400,000 |

**SEC. 2202. FAMILY HOUSING.**

(a) CONSTRUCTION AND ACQUISITION.—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 construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations, in the number of units or for the purposes, and in the amounts set forth in the following table:

**Navy: Family Housing**

| Location | Installation | Units or Purpose | Amount |
|---|---|---|---|
| Guam | Naval Support Activity Anderson. | Family housing new construction | $248,634,000 |
| | | | |

(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 $74,540,000.

(c) PLANNING AND DESIGN.—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 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 $24,224,000.

**SEC. 2203. AUTHORIZATION OF APPROPRIATIONS, NAVY.**

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2022, 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 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 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.

**SEC. 2204. EXTENSION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.**

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorization set forth in the table in subsection (a), as provided in section 2201(a) of that Act (131 Stat. 1822), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

**Navy: Extension of 2018 Project Authorization**

| Country | Installation or Location | Project | Original Authorized Amount |
|---|---|---|---|
| Guam ..... | Joint Region Marianas | Navy-Commercial Tie-in Hardening | $37,180,000 |

**SEC. 2205. TRANSFER OF CUSTOMERS FROM ELECTRICAL UTILITY SYSTEM OF THE NAVY AT FORMER NAVAL AIR STATION BARBER'S POINT, HAWAII, TO NEW ELECTRICAL SYSTEM IN KALAELOA, HAWAII.**

(a) IN GENERAL.—Subject to the availability of appropriations for such purpose, the Secretary of the Navy shall pay the reasonable costs to transfer all customers off of the electrical utility system of the Navy located at former Naval Air Station Barber's Point, Hawaii, to the new electrical system in Kalaeloa, Hawaii, operated by Hawaii Electric.

(b) FACILITATION OF TRANSFER.—To facilitate the transfer of customers described in subsection (a), the Secretary of the Navy shall provide the following to the State of Hawaii:

(1) A load analysis and design necessary to complete such transfer.

(2) Such rights of way and easements as may be necessary to support the construction of replacement electrical infrastructure.

(c) DISPOSAL OF NAVY ELECTRICAL SYSTEM.—After all customers have been transferred as required under subsection (a), the Secretary of the Navy may dispose of the electrical system of the Navy located at former Naval Air Station Barber's Point, Hawaii.

(d) AUTHORITY FOR THIRD-PARTY AGREEMENT.—The Secretary of the Navy may enter into a cooperative agreement or other appropriate instrument with a non-Department of Defense entity under which—

(1) such entity shall agree to facilitate the transfer of customers under subsection (a); and

(2) subject to the availability of appropriations for such purpose, the Secretary of the Navy shall agree to reimburse such entity for the reasonable costs of such transfer.

# 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 construction 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**

| State | Installation or Location | Amount |
|---|---|---|
| Alaska | Clear Air Force Station | $68,000,000 |
| Alabama | Maxwell Air Force Base | $15,000,000 |

**Air Force: Inside the United States**—Continued

| State | Installation or Location | Amount |
|---|---|---|
| California | Travis Air Force Base | $7,500,000 |
| | Vandenberg Air Force Base | $89,000,000 |
| Florida | Patrick Space Force Base | $97,000,000 |
| Hawaii | Kirtland Air Force Base, Maui Experimental Site | $89,000,000 |
| Ohio | Wright-Patterson Air Force Base | $29,000,000 |
| Oklahoma | Altus Air Force Base | $4,750,000 |
| | Tinker Air Force Base | $43,600,000 |
| South Carolina | Shaw Air Force Base | $10,000,000 |
| South Dakota | Ellsworth Air Force Base | $328,000,000 |
| Tennessee | Arnold Air Force Base | $38,000,000 |
| Texas | Joint Base San Antonio-Randolph | $29,000,000 |
| Utah | Hill Air Force Base | $84,000,000 |
| Wyoming | F.E. Warren Air Force Base | $176,000,000 |

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 230__(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 installations or locations outside the United States, and in the amounts, set forth in the following table:

**Air Force: Outside the United States**

| Country | Installation or Location | Amount |
|---|---|---|
| Hungary | Papa Air Base | $71,000,000 |
| Iceland | Keflavik | $94,000,000 |
| Italy | Aviano Air Base | $46,500,000 |
| Japan | Kadena Air Base | $307,000,000 |
| Jordan | Azraq Air Base | $50,000,000 |
| Norway | Rygge | $8,200,000 |
| Spain | Moron Air Base | $29,000,000 |

**SEC. 2302. FAMILY HOUSING AND IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.**

(a) 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 230__(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 $230,058,000.

(b) PLANNING AND DESIGN.—Using amounts appropriated pursuant to the authorization of appropriations in section 230__(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 $2,730,000.

**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, 2022, 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. EXTENSION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECTS.**

(a) EXTENSION.—

(1) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorizations set forth in the table in paragraph (2), as provided in section 2301(a) of that Act (131 Stat. 1825), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(2) TABLE.—The table referred to in paragraph (1) is as follows:

**Air Force: Extension of 2018 Project Authorizations**

| State | Installation or Location | Project | Original Authorized Amount |
|---|---|---|---|
| Florida | Tyndall Air Force Base | Fire Station | $17,000,000 |
| Texas | Joint Base San Antonio | BMT Classrooms/ Dining | $38,000,000 |
| | Joint Base San Antonio | Camp Bullis Dining Facility | $18,500,000 |
| Wyoming | F. E. Warren Air Force Base | Consolidated Helo/ TRF Ops/AMU and Alert Fac. | $62,000,000 |

(b) OVERSEAS CONTINGENCY OPERATIONS.—

(1) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorizations set forth in the table in paragraph (2), as provided in section 2903 of that Act (131 Stat. 1876), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(2) TABLE.—The table referred to in paragraph (1) is as follows:

**Air Force: Extension of 2018 Project Authorizations**

| Country | Installation or Location | Project | Original Authorized Amount |
|---|---|---|---|
| Hungary | Kecskemet Air Base | ERI: Airfield Upgrades | $12,900,000 |
| | Kecskemet Air Base | ERI: Construct Parallel Taxiway | $30,000,000 |
| | Kecskemet Air Base | ERI: Increase POL Storage Capacity | $12,500,000 |
| Luxembourg | Sanem | ERI: ECAOS Deployable Airbase System Storage | $67,400,000 |
| Slovakia | Malacky | ERI: Airfield Upgrades | $4,000,000 |
| | Malacky | ERI: Increase POL Storage Capacity | $20,000,000 |
| | ERI: Airfield Upgrades | Construct Combat Arms Training and Maintenance Facility | $22,000,000 |

**SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2021 PROJECT.**

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283; 134 Stat. 4299) for Hill Air Force Base, Utah, for construction of GBSD Organic Software Sustainment Center, the Secretary of the Air Force may construct—

(1) up to 7,526 square meters of Surface Parking Lot in lieu of constructing a 13,434 square meters vehicle parking garage; and

(2) up to 402 square meters of Storage Igloo.

**SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN MILITARY CONSTRUCTION PROJECTS AT TYNDALL AIR FORCE BASE, FLORIDA.**

In the case of the authorization contained in section 2912(a) of the Military Construction Authorization Act for Fiscal Year 2020 (division B of Public Law 116–92; 133 Stat. 1913) for Tyndall Air Force Base, Florida—

(1) for construction of Lodging Facilities Phases 1-2, as specified in such funding table and modified by section 2306(a)(7) of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283; 134 Stat.

4302), the Secretary of the Air Force may construct two emergency backup generators;

(2) for construction of Dorm Complex Phases 1-2, as specified in such funding table and modified by section 2306(a)(8) of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283; 134 Stat. 4302), the Secretary of the Air Force may construct an emergency backup generator;

(3) for construction of Site Development, Utilities, and Demo Phase 2, as specified in such funding table and modified by section 2306(a)(6) of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283; 134 Stat. 4302), the Secretary of the Air Force may construct—

(A) up to 6,248 lineal meters of storm water utilities;

(B) up to 55,775 square meters of roads;

(C) up to 4,334 lineal meters of gas pipeline; and

(D) up to 28,958 linear meters of electrical;

(4) for construction of Tyndall AFB Gate Complex, as specified in such funding table and modified

by section 2306(a)(9) of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283; 134 Stat. 4302), the Secretary of the Air Force may construct up to 55,694 square meters of roadway with serpentines; and

(5) for construction of Deployment Center/Flight Line Dining/AAFES, as specified in such funding table and modified by section 2306(a)(11) of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283; 134 Stat. 4303), the Secretary of the Air Force may construct up to 164 square meters of AAFES (Shoppette).

# TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

### SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects inside 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 installations or locations in-

side the United States, and in the amounts, set forth in the following table:

**Defense Agencies: Inside the United States**

| State | Installation or Location | Amount |
|---|---|---|
| California | Coronado | $75,712,000 |
| Florida | Hurlburt Field | $9,100,000 |
| | MacDill Air Force Base | $50,000,000 |
| North Carolina | Fort Bragg | $34,470,000 |
| Texas | Joint Base San Antonio | $58,600,000 |
| Virginia | Dam Neck | $26,600,000 |
| | Pentagon | $18,000,000 |

(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**

| Country | Installation or Location | Amount |
|---|---|---|
| Germany | Baumholder | $149,023,000 |
| Japan | Yokota Air Base | $72,154,000 |

**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 conserva-

tion 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**

| State | Installation or Location | Amount |
|---|---|---|
| Alabama | Redstone Arsenal | $10,700,000 |
| California | Marine Corps Mountain Warfare Training Center Bridgeport | $25,560,000 |
| | Naval Base Ventura County, PT Magu | $13,360,000 |
| Florida | Naval Air Station Jacksonville | $2,400,000 |
| | Patrick Space Force Base | $18,000,000 |
| Georgia | Fort Stewart-Hunter Army Airfield | $25,400,000 |
| | Naval Submarine Base Kings Bay | $11,200,000 |
| Guam | Naval Base Guam | $34,360,000 |
| Hawaii | Joint Base Pearl Harbor- Hickam | $25,000,000 |
| Kansas | Fort Riley | $25,780,000 |
| Maryland | Fort George G. Meade | $23,310,000 |
| Texas | Fort Hood | $31,500,000 |
| | U.S. Army Reserve Center, Conroe | $9,600,000 |
| Virginia | Naval Support Activity, Hampton Roads | $22,400,000 |
| | NCE Springfield, Fort Belvoir | $1,100,000 |

(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 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 outside the United States, and in the amounts, set forth in the following table:

**ERCIP Projects: Outside the United States**

| Country | Installation or Location | Amount |
|---|---|---|
| Djibouti | Camp Lemmonier | $24,000,000 |

**ERCIP Projects: Outside the United States**—Continued

| Country | Installation or Location | Amount |
|---|---|---|
| Japan | Kadena Air Base | $780,000 |
| Kuwait | Camp Arifjan | $26,850,000 |
| Norway | Rygge | $8,200,000 |
| Spain | Moron Air Base | $29,000,000 |

**SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DEFENSE AGENCIES.**

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2022, for military construction, 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 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 2401 may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

**SEC. 2404. EXTENSION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECTS.**

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal

Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorization set forth in the table in subsection (b), as provided in section 2401(b) of that Act (131 Stat. 1829), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

**Defense Agencies: Extension of 2017 Project Authorization**

| Country | Installation | Project | Original Authorized Amount |
|---|---|---|---|
| Japan | Iwakuni | Construct Bulk Storage Tanks PH 1 | $30,800,000 |
| Puerto Rico | USCG Station; Punta Borinquen | Ramey Unit School Replacement | $61,071,000 |

# 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.**

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2022, 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.

# Subtitle B—Host Country In-Kind Contributions

**SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.**

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations in the Republic of Korea, and in the amounts, set forth in the following table:

**Republic of Korea Funded Construction Projects**

| Component | Installation or Location | Project | Amount |
|---|---|---|---|
| Army | Camp Humphreys | Quartermaster Laundry/ Dry Cleaner Facility | $24,000,000 |
| Army | Camp Humphreys | MILVAN CONNEX Storage Yard | $20,000,000 |

**Republic of Korea Funded Construction Projects**—Continued

| Component | Installation or Location | Project | Amount |
|---|---|---|---|
| Navy | Camp Mujuk | Replace Ordnance Storage Magazines | $150,000,000 |
| Navy | Fleet Activities Chinhae | Water Treatment Plant Relocation | $6,000,000 |
| Air Force | Gimhae Air Base | Refueling Vehicle Shop | $8,800,000 |
| Air Force | Osan Air Base | Combined Air and Space Operations Intelligence Center | $306,000,000 |
| Air Force | Osan Air Base | Upgrade Electrical Distribution West, Phase 3 | $235,000,000 |

**SEC. 2512. REPEAL OF AUTHORIZED APPROACH TO CERTAIN CONSTRUCTION PROJECT.**

Section 2511 of the Military Construction Authorization Act for Fiscal Year 2022 (division B of Public Law 117–81; 135 Stat. 2177) is amended—

(1) by striking ''(a) AUTHORITY TO ACCEPT PROJECTS.—''; and

(2) by striking subsection (b).

# 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 2605 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 installations or lo-

cations inside the United States, and in the amounts, set forth in the following table:

**Army National Guard**

| State | Installation or Location | Amount |
|---|---|---|
| Delaware | New Castle | $16,000,000 |
| Florida | Palm Coast | $12,000,000 |
| | Camp Blanding | $24,700,000 |
| Hawaii | Kapolei | $29,000,000 |
| Iowa | West Des Moines | $15,000,000 |
| Indiana | Atlanta | $20,000,000 |
| Michigan | Camp Grayling | $16,000,000 |
| Minnesota | New Ulm | $17,000,000 |
| North Carolina | McLeansville | $15,000,000 |
| Nevada | Reno | $18,000,000 |
| New York | Troy | $17,000,000 |
| Vermont | Bennington | $14,800,000 |
| West Virginia | Buckhannon | $14,000,000 |
| Wyoming | Sheridan | $14,800,000 |

**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 installations or locations inside the United States, and in the amounts, set forth in the following table:

**Army Reserve**

| State | Installation or Location | Amount |
|---|---|---|
| Florida | Perrine | $46,000,000 |
| Puerto Rico | Fort Buchanan | $24,000,000 |

**SEC. 2603. 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 installations or locations inside the United States, and in the amounts, set forth in the following table:

**Air National Guard**

| State | Installation or Location | Amount |
|---|---|---|
| Alabama | Birmingham International Airport | $7,500,000 |
| Arizona | Morris Air National Guard Base | $12,000,000 |
| | Tucson International Airport | $10,000,000 |
| Florida | Jacksonville International Airport | $22,200,000 |
| Indiana | Fort Wayne International Airport | $12,800,000 |
| Tennessee | Mcghee-Tyson Airport | $23,800,000 |

**SEC. 2604. 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 installations inside the United States, and in the amounts, set forth in the following table:

**Air Force Reserve**

| State | Installation | Amount |
|---|---|---|
| California | Beale Air Force Base | $33,000,000 |
| Virginia | Joint Base Langley-Eustis | $10,500,000 |

**SEC. 2605. AUTHORIZATION OF APPROPRIATIONS, NATIONAL GUARD AND RESERVE.**

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2022, 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. 2606. CORRECTIONS TO AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2022 PROJECTS.**

The authorization table in section 2601 of the Military Construction Authorization Act for Fiscal Year 2022 (division B of Public Law 117–81; 135 Stat. 2178) is amended—

(1) in the item relating to Redstone Arsenal, Alabama, by striking ''Redstone Arsenal'' and inserting ''Huntsville'';

(2) in the item relating to Jerome National Guard Armory, Idaho, by striking ''Jerome National Guard Armory'' and inserting ''Jerome'';

(3) in the item relating to Nickell Memorial Armory Topeka, Kansas, by striking ''Nickell Memorial Armory Topeka'' and inserting ''Topeka'';

(4) in the item relating to Lake Charles National Guard Readiness Center, Louisiana, by striking ''Lake Charles National Guard Readiness Center'' and inserting ''Lake Charles'';

(5) in the item relating to Camp Grayling, Michigan, by striking ''Camp Grayling'' and inserting ''Grayling'';

(6) in the item relating to Butte Military Entrance Testing Site, Montana, by striking ''Butte Military Entrance Testing Site'' and inserting ''Butte'';

(7) in the item relating to Mead Army National Guard Readiness Center, Nebraska, by striking ''Mead Army National Guard Readiness Center'' and inserting ''Mead Training Site'';

(8) in the item relating to Dickinson National Guard Armory, North Dakota, by striking ''Dickinson National Guard Armory'' and inserting ''Dickinson'';

(9) in the item relating to Bennington National Guard Armory, Vermont, by striking ''Bennington National Guard Armory'' and inserting ''Bennington''; and

(10) in the item relating to Camp Ethan Allen Training Site, Vermont, by striking ''Camp Ethan

Allen Training Site'' and inserting ''Ethan Allen Air Force Base TS''.

**SEC. 2607. EXTENSION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECTS.**

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1817), the authorizations set forth in the table in subsection (b), as provided in section 2604 of that Act (131 Stat. 1836), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

**Air Force: Extension of 2018 Project Authorizations**

| State | Installation or Location | Project | Original Authorized Amount |
|---|---|---|---|
| Indiana | Hulman Regional Airport | Construct Small Arms Range | $8,000,000 |
| South Dakota | Joe Foss Field | Aircraft Maintenance Shops | $12,000,000 |
| Wisconsin | Dane County Regional/ Airport Truax Field | Construct Small Arms Range | $8,000,000 |

# 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, 2022, 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.

## SEC. 2702. AUTHORIZATION TO FUND CERTAIN DEMOLITION AND REMOVAL ACTIVITIES THROUGH DEPARTMENT OF DEFENSE BASE CLOSURE ACCOUNT.

(a) IN GENERAL.—Section 2906(c)(1) of the Defense Base Closure and Realignment Act of 1990 (10 U.S.C.

2687 note) is amended by adding at the end the following new subparagraph:

''(E) To carry out the demolition or removal of any building or structure under the control of the Secretary of the Navy that is not designated as historic under a Federal, State, or local law and is located on a military installation closed or realigned under a base closure law (as such term is defined in section 101 of title 10, United States Code) at which the sampling or remediation of radiologically contaminated materials has been the subject of substantiated allegations of fraud, without regard to—

''(i) whether the building or structure is radiologically impacted; or

''(ii) whether such demolition or removal is carried out, as part of a response action or otherwise, under the Defense Environmental Restoration Program specified in subparagraph (A) or CERCLA (as such term is defined in section 2700 of title 10, United States Code).''.

(b) FUNDING.—The amendment made by this section may only be carried out using funds authorized to be appropriated in the table in section 4601.

# TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

## Subtitle A—Military Construction Program Changes

### SEC. 2801. MODIFICATION OF ANNUAL LOCALITY ADJUSTMENT OF DOLLAR THRESHOLDS APPLICABLE TO UNSPECIFIED MINOR MILITARY CONSTRUCTION AUTHORITIES.

Section 2805(f)(2) of title 10, United States Code, is amended—

(1) by striking ''or the Commonwealth'' and inserting ''Wake Island, the Commonwealth''; and

(2) by inserting '', or a former United States Trust Territory now in a Compact of Free Association with the United States'' after ''Mariana Islands''.

**SEC. 2802. MILITARY CONSTRUCTION PROJECTS FOR INNOVATION, RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.**

(a) IN GENERAL.—Subchapter I of chapter 169 of title 10, United States Code, is amended by inserting after section 2809 the following new section:

**"§ 2810. Military construction projects for innovation, research, development, test, and evaluation**

''(a) PROJECT AUTHORIZATION REQUIRED.—The Secretary of Defense may carry out such military construction projects for innovation, research, development, test, and evaluation as are authorized by law, using funds appropriated or otherwise made available for that purpose.

''(b) SUBMISSION OF PROJECT PROPOSALS.—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:

''(1) The project title.

''(2) The location of the project.

''(3) A brief description of the scope of work.

''(4) The original project cost estimate and the current working cost estimate, if different.

''(5) Such other information as the Secretary considers appropriate.

''(c) APPLICATION TO MILITARY CONSTRUCTION PROJECTS.—This section shall apply to military construction projects covered by subsection (a) for which a Department of Defense Form 1391 is submitted to the appropriate committees of Congress in connection with the budget of the Department of Defense for fiscal year 2023 and thereafter.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 2809 the following new item:

''2810. Military construction projects for innovation, research, development, test, and evaluation.''.

**SEC. 2803. FURTHER CLARIFICATION OF REQUIREMENTS RELATED TO AUTHORIZED COST AND SCOPE OF WORK VARIATIONS.**

(a) CLARIFICATIONS AND TECHNICAL CORRECTIONS RELATING TO EXCEPTIONS TO COST VARIATION AND SCOPE OF WORK.—Subsection (c)(1) of section 2853 of title 10, United States Code, as amended by section 2802 of the Military Construction Authorization Act for Fiscal Year 2022 (division B of Public Law 117–81), is further amended—

(1) by striking subparagraph (A) and inserting the following new subparagraph (A):

''(A) The Secretary concerned may waive the percentage or dollar cost limitation applicable to a military construction project or a military family housing project under subsection (a) and approve an increase in the cost authorized for the project in excess of that limitation only if—

''(i) the total cost of the project is less than $500,000,000;

''(ii) the cost increase is an amount equal to or less than 50 percent of the original authorized amount; and

''(iii) the Secretary notifies the appropriate committees of Congress of such waiver and approval in the manner provided in this paragraph.''; and

(2) by striking subparagraph (D) and redesignating subparagraph (E) as subparagraph (D).

(b) TECHNICAL CORRECTION RELATED TO EXCEPTIONS TO LIMITATION ON SCOPE OF WORK INCREASES.—Subsection (d)(4) of such section, as so amended, is further amended by striking ''and approve an increase in the scope of work for the project that would increase the scope of work''.

**SEC. 2804. USE OF OPERATION AND MAINTENANCE FUNDS FOR CERTAIN CONSTRUCTION PROJECTS OUTSIDE THE UNITED STATES.**

(a) PERMANENT AUTHORITY.—Subsection (a) of section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 (division B of Public Law 108–136; 117 Stat. 1723), as amended, including most recently by section 2806 of the Military Construction Authorization Act for Fiscal Year 2022 (division B of Public Law 117–81), is amended—

(1) by striking ", inside the area of responsibility of the United States Central Command or certain countries in the area of responsibility of the United States Africa Command,";

(2) by inserting "outside the United States" after "construction project"; and

(3) in paragraph (2), by striking ", unless the military installation is located in Afghanistan, for which projects using this authority may be carried out at installations deemed as supporting a long-term presence".

(b) CONFORMING AMENDMENTS.—Such section is further amended—

(1) in subsection (b), by striking "subsection (f)" and inserting "subsection (d)";

(2) by striking subsection (e);

(3) by redesignating subsections (f) and (g) as subsections (d) and (e), respectively;

(4) in subsection (e), as so redesignated, by striking ''subsection (f)'' and inserting ''subsection (d)''; and

(5) by striking subsections (h) and (i).

(c) CLERICAL AMENDMENTS.—Such section is further amended as follows:

(1) The section heading for such section is amended—

(A) by striking ''TEMPORARY, LIMITED''; and

(B) by inserting ''CERTAIN'' before ''CONSTRUCTION PROJECTS''.

(2) The subsection heading for subsection (a) of such section is amended by striking ''TEMPORARY AUTHORITY'' and inserting ''IN GENERAL''.

(d) CLASSIFICATION.—The Law Revision Counsel is directed to classify section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 (division B of Public Law 108–136; 117 Stat. 1723), as amended by subsection (a), as a note following section 2804 of title 10, United States Code.

**SEC. 2805. INCREASE IN MAXIMUM APPROVED COST OF UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS.**

Section 2805(a)(2) of title 10, United States Code, is amended by striking ''$6,000,000'' and inserting ''$12,000,000''.

**SEC. 2806. INCREASE IN UNSPECIFIED MINOR MILITARY CONSTRUCTION AUTHORITY FOR LABORATORY REVITALIZATION PROJECTS.**

(a) LABORATORY REVITALIZATION.—Subsection (d) of section 2805 of title 10, United States Code, is amended—

(1) in paragraph (1), by striking ''$6,000,000'' both places it appears and inserting ''$12,000,000'';

(2) in paragraph (2), by striking ''$6,000,000'' and inserting ''$12,000,000, incrementally across multiple fiscal years''; and

(3) by striking paragraph (5).

(b) ADJUSTMENT OF DOLLAR LIMITATIONS FOR LOCATION.—Subsection (f) of such section is amended—

(1) by striking ''$10,000,000'' and inserting ''$12,000,000''; and

(2) by striking subparagraph (3).

**SEC. 2807. PERMANENT APPLICATION OF DOLLAR LIMITS FOR LOCATION AND APPLICATION TO PROJECTS OUTSIDE THE UNITED STATES.**

Section 2805 of title 10, United States Code, is amended by striking subsection (f) and inserting the following new subsection (f):

''(f) ADJUSTMENT OF DOLLAR LIMITS FOR LOCATION.—Each fiscal year, the Secretary concerned shall adjust the dollar limitations specified in this section applicable to an unspecified minor military construction project to reflect the area construction cost index for military construction projects published by the Department of Defense during the prior fiscal year for the location of the project, except that no limitation specified in this section may exceed $16,000,000 as the result of any adjustment made under this paragraph.''.

**SEC. 2808. PROHIBITION ON AVAILABILITY OF FUNDS FOR SPECIAL OPERATIONS FORCES MILITARY CONSTRUCTION.**

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Department of Defense may be obligated or expended for the Commander of Special Operations Command for military construction in Baumholder, Germany.

(b) WAIVER.—

(1) IN GENERAL.—The Secretary of Defense may waive the prohibition under subsection (a) if the Secretary—

(A) determines that such a waiver is in the national security interests of the United States; and

(B) not later than 14 days after issuing the waiver, submits to the congressional defense committees a detailed justification for the waiver in accordance with paragraph (2).

(2) ELEMENTS.—A justification under paragraph (1)(B) shall include each of the following:

(A) The determination of the Secretary that none of the following countries would provide preferable host nation funding for an equivalent project in such country:

(i) Romania.

(ii) Poland.

(iii) Latvia.

(iv) Estonia.

(v) Lithuania.

(B) The determination of the Secretary that hosting such forces in Germany would provide greater deterrence or greater operational

utility than host nation support in Romania, Poland, Latvia, Estonia or Lithuania.

(C) An explanation for how the waiver is in the national security interests of the United States.

(D) Any other information the Secretary determines appropriate.

**SEC. 2809. REQUIREMENTS RELATING TO CERTAIN MILITARY CONSTRUCTION PROJECTS.**

(a) SUPERVISION OF MILITARY CONSTRUCTION PROJECTS.—

(1) IN GENERAL.—Section 2851 of title 10, United States Code, is amended—

(A) in subsection (c)(1), by inserting ''or appropriated'' after ''funds authorized'' each place such term appears;

(B) in subsection (c)(2)—

(i) in subparagraph (A), by inserting '', deadline for bid submissions,'' after ''solicitation date'';

(ii) in subparagraph (B), by inserting ''(including the address of such recipient)'' after ''contract recipient''; and

(iii) 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 4862 of this title; or

''(iii) section 4863 of this title.''; and

(C) 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 chapters 21, 29, 31, and 33 of title 44.''.

(2) FEDERAL PROCUREMENT DATA SYSTEM.—The Secretary of Defense shall ensure that there is a clear and unique indication of any covered 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, United States Code (or any successor system).

(b) INCREASED TRANSPARENCY AND PUBLIC AVAILABILITY OF INFORMATION REGARDING SOLICITATION AND AWARD OF SUBCONTRACTS UNDER MILITARY CONSTRUCTION CONTRACTS.—

(1) AVAILABILITY OF CERTAIN INFORMATION RELATING TO MILITARY CONSTRUCTION SUBCONTRACTS.—Section 2851 of title 10, United States Code, is amended—

(A) by redesignating subsection (d) as subsection (g);

(B) by inserting after subsection (c) (as amended by this section) the following new subsections:

''(d) INFORMATION AND NOTICE REQUIREMENTS REGARDING SOLICITATION AND AWARD OF SUBCONTRACTS.—

''(1) The recipient of a contract for a construction project described in subsection (c)(1) to be carried out in a State shall make publicly available on a website of the General Services Administration or the Small Business Administration, as applicable, any solicitation made by the contract recipient under the contract for a subcontract with an estimated value of $250,000 or more.

''(2) The Secretary of Defense shall—

''(A) maintain on the Internet site required by subsection (c)(1) information regarding the solicitation date and award date (or anticipated date) for each subcontract described in paragraph (1); and

''(B) submit written notice of the award of the original contract for a project described in subsection (c)(1) to be carried out in a State, and each subcontract described in paragraph (1) under the contract, to each State agency that enforces workers' compensation or minimum wage laws in the State in which the contract or subcontract will be carried out.

''(e) CONGRESSIONAL NOTIFICATION.—In the case of the award of a contract for a project described in subsection (c)(1) to be carried out in a State, and any subcontract described in subsection (d)(1) under the contract, where such award has an estimated value of $2,000,000 or more, the Secretary of Defense shall submit written notice of such award within 30 days after the award to each Senator of the State in which the contract or subcontract will be carried out and the Member of the House of Representatives representing the congressional district in which the contract or subcontract will be carried out.

''(f) EXCLUSION OF CLASSIFIED PROJECTS.—Subsections (c), (d), and (e) do not apply to a classified construction project otherwise described in subsection (c)(1).''; and

(C) by adding at the end the following new subsection:

''(h) DEFINITIONS.—In this section:

''(1) The term 'Member of the House of Representatives' includes a Delegate to the House of Representatives and the Resident Commissioner from Puerto Rico.

''(2) The term 'State' means any of the several States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, and the Commonwealth of the Northern Mariana Islands.''.

(2) APPLICABILITY.—Subsections (d) and (e) of section 2851 of title 10, United States Code, as added by subsection (ba)(2), shall apply with respect to a contract for a construction project described in subsection (c)(1) of such section that—

(A) is entered into on or after the date of the enactment of this Act; or

(B) was entered into before the date of the enactment of this Act, if the first solicitation

made by the contract recipient under the contract for a subcontract with an estimated value of $250,000 or more is made on or after the date of the enactment of this Act.

(c) REQUIREMENTS RELATING TO THE AWARD OF COVERED MILITARY CONSTRUCTION CONTRACTS.—Subchapter III of chapter 169 of title 10, United States Code, is amended by inserting after section 2851a the following new section:

**"§ 2851b. Requirements relating to the award of covered military construction contracts**

''(a) PUBLICATION OF CERTAIN INFORMATION RELATING TO COVERED MILITARY CONSTRUCTION CONTRACTS.—A contractor that has been awarded a covered military construction contract shall—

''(1) make publicly available on a website of the General Services Administration or the Small Business Administration, as applicable, any solicitation under that covered military construction contract for a subcontract of an estimated value of $250,000 or more; and

''(2) 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.

''(b) 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.''.

# Subtitle B—Continuation of Military Housing Reforms

**SEC. 2811. STANDARDIZATION OF MILITARY INSTALLATION HOUSING REQUIREMENTS AND MARKET ANALYSES.**

(a) IN GENERAL.—Subchapter II of chapter 169 of title 10, United States Code, is amended by inserting after section 2836 the following new section:

**''§ 2837. Housing Requirements and Market Analysis**

''(a) IN GENERAL.—Not less frequently than once every five years, and in accordance with the requirements of this section, the Secretary concerned shall conduct a Housing Requirements and Market Analysis (in this section referred to as an 'HRMA') for each military installation under the jurisdiction of the Secretary that is located in the United States.

''(b) PRIORITIZATION OF INSTALLATIONS.—

''(1) IN GENERAL.—Except as provided in paragraph (2), the Secretary concerned shall prioritize the conduct of HRMAs for installations—

''(A) for which an HRMA has not been conducted for five years or longer; or

''(B) in locations with housing shortages.

''(2) EXISTING 5-YEAR REQUIREMENT.—Paragraph (1) shall not apply to a military department that required an HRMA to be conducted for each installation not less frequently than once every five years before the date of the enactment of this section.

''(c) SUBMITTAL TO CONGRESS.—The Secretary of Defense shall include with the budget for the Department of Defense for fiscal year 2024 and each subsequent fiscal year, as submitted to Congress pursuant to section 1105 of title 31, United States Code, a list of the military installations for which the Secretary concerned plans to conduct an HRMA during such fiscal year.

''(d) HOUSING REQUIREMENTS AND MARKET ANALYSIS.—The term 'Housing Requirements and Market Analysis'or 'HRMA' means, with respect to a military installation, a structured analytical process under which an assessment is made of both the suitability and availability

of the private sector rental housing market using assumed specific standards related to affordability, location, features, physical condition, and the housing requirements of the total military population of the installation.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2836 the following new item:

''2837. Housing Requirements and Market Analysis.''.

(c) TIME FRAME.—

(1) IN GENERAL.—During each of fiscal years 2023 through 2027, the Secretary concerned shall conduct an HRMA for 20 percent of the military installations under the jurisdiction of the Secretary located in the United States.

(2) SUBMITTAL OF INFORMATION TO CONGRESS.—Not later than January 15, 2023, the Secretary concerned shall submit to the congressional defense committees a list of military installations for which the Secretary plans to conduct an HRMA during fiscal year 2023.

(d) DEFINITIONS.—In this section:

(1) The term ''HRMA'' means, with respect to a military installation, a structured analytical process under which an assessment is made of both the suitability and availability of the private sector rent-

al housing market using assumed specific standards related to affordability, location, features, physical condition, and the housing requirements of the total military population of the installation.

(2) The term ''Secretary concerned'' has the meaning given that term in section 101(a)(9) of title 10, United States Code.

**SEC. 2812. NOTICE REQUIREMENT FOR MHPI GROUND LEASE EXTENSIONS.**

Section 2878 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(f) NOTICE OF LEASE EXTENSIONS.—Not later than 90 days before extending the term of any ground lease of property or facilities under this section, the Secretary concerned shall provide to the congressional defense committees notice in writing of the extension and a briefing. Such notice and briefing shall include each of the following:

''(1) A description of any material differences between the extended ground lease and the original ground lease, including with respect to—

''(A) the length of the term of the lease, as extended; and

''(B) any new provisions that materially affect the rights and responsibilities of the ground lessor or the ground lessee under the original ground lease.

''(2) The number of housing units or facilities subject to the ground lease that, during the lease extension, are to be—

''(A) constructed;

''(B) demolished; or

''(C) renovated.

''(3) The source of any additional financing the lessor has obtained, or intends to obtain, during the term of the ground lease extension that will be used for the development of the property or facilities subject to the ground lease.

''(4) The following information, displayed annually, for the five-year period preceding the date of the notice and briefing:

''(A) The debt-to-net operating income ratio for the property or facility subject to the ground lease.

''(B) The occupancy rates for the housing units subject to the ground lease.

''(C) An report on maintenance response times and completion of maintenance requests

for the housing units subject to the ground lease.

''(D) The occupancy rates and debt-to-net operating income ratios of any other military privatized housing initiative projects managed by a company that controls, or that is under common control with, the ground lessee entering into the lease extension.''.

**SEC. 2813. ANNUAL BRIEFINGS ON MILITARY HOUSING PRIVATIZATION PROJECTS.**

Section 2884 of title 10, United States Code, is amended by adding at the end the following new subsection:

''(d) ANNUAL BRIEFINGS.—Not later than February 1 of each year, the Secretary concerned shall provide to the Committees on Armed Services of the Senate and House of Representatives a briefing on military housing privatization projects under the jurisdiction of the Secretary. Such briefing shall include, for the 12-month period preceding the date of the briefing, each of the following:

''(1) The information described in paragraphs (1) through (14) of subsection (c) with respect to all military housing privatization projects under the jurisdiction of the Secretary.

''(2) A review of any such project that is expected to require the restructuring of a loan, including any public or private loan.

''(3) For any such project expected to require restructuring, a timeline for when such restructuring is expected to occur.

''(4) Such other information as the Secretary determines appropriate.''.

**SEC. 2814. PRIVATIZATION OF NAVY AND AIR FORCE TRANSIENT HOUSING.**

(a) PRIVATIZATION REQUIRED.—Beginning on the date that is 11 years after the date of the enactment of this Act, the Secretary concerned shall begin the process of privatizing all transient housing in the United States under the jurisdiction of the Secretary concerned through the conveyance of the transient housing to one or more eligible entities. Such process shall be completed by not later than the date that is 15 years after the date of the enactment of this Act.

(b) APPLICABLE PRIVATIZATION LAWS.—The Secretary concerned shall carry out this section using the authority provided by section 2872 of title 10, United States Code, consistent with subchapters IV and V of chapter 169 of such title.

(c) LIMITATIONS.—No Government direct loans, Government guarantees, or Government equity may be extended in consideration of any privatization carried out pursuant to subsection (a).

(d) CONSULTATIONS.—In establishing a plan to carry out the privatization of transient housing pursuant to subsection (a), the Secretary concerned shall—

(1) consult with the Secretary of the Army; and

(2) to the greatest extent possible, incorporate into such plan the best practices and efficiencies of the Secretary of the Army in carrying out the privatization of transient housing under the jurisdiction of the Secretary of the Army.

(d) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, and annually thereafter until the privatization required under subsection (a) is complete, the Secretary concerned shall submit to the Committees on Armed Services of the Senate and House of Representatives a report that includes—

(1) detailed plans for the privatization of all transient housing under the jurisdiction of the Secretary; and

(2) timelines for conveyances and other critical milestones.

(e) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to affect any transient housing or lodging program administered by the Coast Guard.

(f) DEFINITIONS.—In this section:

(1) The term ''eligible entity'' has the meaning given that term in section 2871 of title 10, United States Code.

(2) The term ''transient housing'' means lodging intended to be occupied by members of the Armed Forces on temporary duty.

(3) The term ''Secretary concerned'' means—

(A) the Secretary of the Navy, with respect to transient housing under the jurisdiction of the Secretary of the Navy; and

(B) the Secretary of the Air Force, with respect to transient housing under the jurisdiction of the Secretary of the Air Force.

**SEC. 2815. MILITARY HOUSING FEEDBACK TOOL.**

(a) IN GENERAL.—The Secretary of Defense shall provide for a feedback tool, such as a rating system or similar mechanism, under which members of the Armed Forces and their spouses may anonymously identify, rate, and compare housing under the jurisdiction of the Department of Defense (including privatized military housing).

(b) COMPONENTS.—The tool required under subsection (a) shall include the following components:

(1) The capability for users to—

(A) rate housing using multiple quality measures, including safety, the timeliness and quality of maintenance services, and the responsiveness of management;

(B) upload visual media, including images; and

(C) include written comments.

(2) A comparison feature that can be used to compare ratings for different housing communities.

(3) Accessibility by members of the Armed Forces, their family members, and members of Congress.

(c) REPORTING REQUIREMENT.—The Secretary of Defense shall submit to the appropriate congressional committees, and make available to the Secretary concerned, an annual report that includes a summary of the data collected using the feedback tool required under this section during the year covered by the report.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term ''appropriate congressional committees'' means—

(1) the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives; and

(2) the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate.

# Subtitle C—Real Property and Facilities Administration

**SEC. 2821. AUTHORIZED LAND AND FACILITIES TRANSFER TO SUPPORT CONTRACTS WITH FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS.**

(a) IN GENERAL.—Chapter 159 of title 10, United States Code, is amended by inserting after section 2668a the following new section:

**"§ 2669. Transfer of land and facilities to support contracts with federally-funded research and development centers**

''(a) LEASE OF LAND, FACILITIES, AND IMPROVEMENTS.—(1) The Secretary of a military department may lease, for no consideration, land, facilities, and improvements to a covered FFRDC if the lease is to further the purposes of a contract between the Department of Defense and the covered FFRDC.

''(2) A lease entered into under paragraph (1) shall terminate on the earlier of the following dates:

''(A) The date that is 50 years after the date on which the Secretary enters into the lease.

''(B) The date of the termination or non-renewal of the contract between the Department of Defense and the covered FFRDC.

''(b) CONVEYANCE OF FACILITIES AND IMPROVEMENTS.—(1) The Secretary of a military department may convey, for no consideration, ownership of facilities and improvements located on land leased to a covered FFRDC to further the purposes of a contract between the Department of Defense and the covered FFRDC.

''(2) The ownership of any facilities and improvements conveyed under this subsection shall revert to the United States upon the termination or non-renewal of the underlying land lease.

''(c) COVERED FFRDC.—In this section, the term 'covered FFRDC' means a federally-funded research and development center that is sponsored by, and has entered into a contract with, the Department of Defense.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2668a the following new item:

''2669. Transfer of land and facilities to support contracts with federally-funded research and development centers.''.

**SEC. 2822. RESTORATION OR REPLACEMENT OF DAMAGED, DESTROYED, OR ECONOMICALLY UNREPAIRABLE FACILITIES.**

(a) INCLUSION OF APPROPRIATIONS ACCOUNT IN CONGRESSIONAL NOTIFICATION REGARDING FUNDING.—Subsection (b) of section 2854 of title 10, United States Code, is amended by inserting ''military construction appropriations account that is the'' before ''source of funds''.

(b) ECONOMICALLY UNREPAIRABLE FACILITIES.—Subsection (c)(1) of such section is amended—

(1) in the matter preceding subparagraph (A), by inserting ''or is economically unrepairable'' after ''damaged or destroyed'';

(2) in subparagraph (A), by inserting '', or the situation that rendered the facility economically unrepairable,'' after ''facility''; and

(3) in subparagraph (B)(iii), by striking ''damage to a facility rather than destruction'' and inserting ''a facility that has been damaged or rendered economically unrepairable rather than destroyed''.

**SEC. 2823. DEFENSE ACCESS ROAD PROGRAM ENHANCEMENTS TO ADDRESS TRANSPORTATION INFRASTRUCTURE IN VICINITY OF MILITARY INSTALLATIONS.**

(a) IN GENERAL.—Section 2816 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81) is amended—

(1) in subsection (b)—

(A) in paragraph (1), by striking ''this Act'' and inserting ''the National Defense Authorization Act for Fiscal Year 2023''; and

(B) in paragraph (2), by striking ''this Act'' and inserting ''the National Defense Authorization Act for Fiscal Year 2023''; and

(2) by adding at the end the following new subsections:

''(d) PETITION FOR CERTIFICATION OF ROADS AS DEFENSE ACCESS ROADS.—

''(1) IN GENERAL.—Not later than October 1, 2023, the Secretary of Defense shall establish a formal mechanism under which—

''(A) a State, county, or municipality may petition the Secretary to certify roads as defense access roads under section 210 of title 23, United States Code; and

''(B) the Secretary shall respond, in writing, to any such petition by not later than 90 days after receiving the petition.

''(2) STATE DEFINED.—In this subsection, the term 'State' means any of the several States, the District of Columbia, American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, the Commonwealth of Puerto Rico, and the United States Virgin Islands.

''(e) PUBLIC AVAILABILITY OF INFORMATION.—The Secretary of Defense shall maintain and update regularly on an appropriate website of the Federal Government, a list of all roads certified as important to the national defense by the Secretary or by such other official as the President may designate. Such website shall include, for each such road, each of the following:

''(1) The military installation (as such term is defined in section 2687(g)(1) of title 10, United States Code) that is in closest proximity to the road.

''(2) The date on which the road was so certified.

''(3) Any fiscal year for which the President transmitted to Congress under section 1105 of title 31, United States Code, a budget request that included an amount for such road.

''(4) Any fiscal year for which Congress appropriated an amount for such road.

''(f) TREATMENT OF CLASSIFIED INFORMATION.—Nothing in subsection (d) or (e) shall be construed as a requirement for the Secretary of Defense to make publicly available any classified information.''.

(b) REPORT ON DEFENSE ACCESS ROADS.—Section 2814(b) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417) is amended—

(1) by striking ''April 1, 2009'' and inserting ''one year after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2023''; and

(2) by inserting before the period at the end the following: ''and name any road that the commander of a military installation (as such term is defined in section 2687(g)(1) of title 10, United States Code) or the Secretary of a military department has recommended that the Secretary of Defense certify as a defense access road during the period beginning on April 1, 2009, and ending on the date of the enactment of the National Defense Authorization Act for Fiscal Year 2023''.

(c) REPORT ON DESIGNATION OF CERTAIN HIGHWAYS AS DEFENSE ACCESS ROADS.—

(1) REPORT.—Not later than October 1, 2023, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and House of Representatives a report containing the results of a study on the advisability of designating each of the roads identified under paragraph (2) as defense access roads for purposes of section 210 of title 23, United States Code.

(2) ROADS IDENTIFIED.—The roads identified under this subsection are each of the following:

(A) For Beale Air Force Base, California:

(i) Chuck Yeager Road.

(ii) North Beale Road.

(iii) Spenceville Road, also known as Camp Beale Highway.

(iv) South Beale Road.

(B) For Travis Air Force Base, California:

(i) Air Base Parkway.

(ii) Canon Road.

(iii) Gate Road, including North Gate Road.

(iv) Petersen Road.

(v) Vanden Road.

# Subtitle D—Military Facilities Master Plan Requirements

**SEC. 2831. LIMITATION ON USE OF FUNDS PENDING COMPLETION OF MILITARY INSTALLATION RESILIENCE COMPONENT OF MASTER PLANS FOR AT-RISK MAJOR MILITARY INSTALLATIONS.**

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Office of the Secretary of Defense for administration and service-wide activities, not more than 50 percent may be obligated or expended until the date on which the each Secretary of a military department has satisfied the requirements of section 2833 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81; 10 U.S.C. 2864 note).

# Subtitle E—Matters Related to Unified Facilities Criteria and Military Construction Planning and Design

**SEC. 2841. CONSIDERATION OF INSTALLATION OF INTEGRATED SOLAR ROOFING TO IMPROVE ENERGY RESILIENCY OF MILITARY INSTALLATIONS.**

The Secretary of Defense shall amend the Unified Facilities Criteria/DoD Building Code (UFC 1– 200–01)

to require that planning and design for military construction projects inside the United States include consideration of the feasibility and cost-effectiveness of installing integrated solar roofing as part of the project, for the purpose of—

(1) promoting on-installation energy security and energy resilience;

(2) providing grid support to avoid energy disruptions; and

(3) facilitating implementation and greater use of the authority provided by subsection (h) of section 2911 of title 10, United States Code, as added and amended by section 2825 of the Military Construction Authorization Act for Fiscal Year 2021 (division B of Public Law 116–283).

# Subtitle F—Land Conveyances

**SEC. 2851. EXTENSION OF TIME FRAME FOR LAND CONVEYANCE, SHARPE ARMY DEPOT, LATHROP, CALIFORNIA.**

Section 2833(g) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283) is amended by striking ''one year'' and inserting ''three years''.

**SEC. 2852. AUTHORITY FOR TRANSFER OF ADMINISTRATIVE JURISDICTION, CASTNER RANGE, FORT BLISS, TEXAS.**

Section 2844 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239) is amended—

(1) in subsection (a)—

(A) in paragraph (1)—

(i) by redesignating the text beginning with ''convey'' and ending with ''Franklin Mountains State Park.'' as subparagraph (B);

(ii) by striking ''may'' and inserting ''may—''; and

(iii) by inserting after subparagraph (B), as redesignated by subparagraph (A) of this paragraph, the following new subparagraph (A):

''(A) transfer administrative jurisdiction of approximately 7,081 acres at Fort Bliss, Texas, to the Secretary of the Interior (acting through the Director of the Bureau of Land Management) which shall be managed in accordance with the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1701 et seq.) and any other applicable laws; or''; and

(B) in paragraph (2)—

(i) by inserting ''transfer of administrative jurisdiction or'' before ''conveyance'';

(ii) by inserting ''transfer to the Secretary of the Interior or'' before ''convey to the Department''; and

(iii) by striking ''Department's'';

(2) in subsection (b)—

(A) by inserting ''conveys the real property under subsection (a)(1)(B) and'' after ''If the Secretary''; and

(B) by striking ''conveyed under subsection (a)'';

(3) in the first subsection (c), by striking ''the land conveyance under this section'' and inserting ''a land conveyance under subsection (a)(1)(B)'';

(4) by redesignating the second subsection (c) and subsections (d) and (e) as subsections (d), (e), and (f), respectively;

(5) in subsection (d), as so redesignated, by inserting ''transferred or'' before ''conveyed'';

(6) in subsection (e), as so redesignated, by striking ''the conveyances under subsection (a)'' and

inserting ''a conveyance under subsection (a)(1)(B)'';

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

(A) by striking ''federal'' each place it appears and inserting ''Federal'';

(B) by striking ''non-federal'' each place it appears and inserting ''non-Federal''; and

(C) in paragraph (3), by inserting ''transferred or'' before ''conveyed''; and

(8) by adding at the end the following new subsection:

''(g) MEMORANDUM OF UNDERSTANDING.—The Secretary may enter into a memorandum of understanding with the Secretary of the Interior (acting through the Director of the Bureau of Land Management) regarding any transfer of administrative jurisdiction under subsection (a)(1)(A).''.

**SEC. 2853. CONVEYANCE, JOINT BASE CHARLESTON, SOUTH CAROLINA.**

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Air Force (in this section referred to as the ''Secretary'') may convey to the City of North Charleston, South Carolina (in this section referred to as the ''City'') all right, title, and interest of the United States in and to a parcel of real property, including any improvements

thereon, consisting of approximately 26 acres known as the Old Navy Yard at Joint Base Charleston, South Carolina, for the purpose of permitting the City to use the property for economic development.

(b) CONSIDERATION.—

(1) IN GENERAL.—As consideration for the conveyance under subsection (a), the City shall pay to the United States an amount at least equal to the fair market value, as determined by the Secretary, based on an appraisal of the property to be conveyed under such subsection. Consideration may be cash payment, in-kind consideration as described under paragraph (2), or a combination thereof. The consideration paid to the Secretary must be sufficient, as determined by the Secretary, to provide replacement space for, and for the relocation of, any personnel, furniture, fixtures, equipment, and personal property of any kind and belonging to any military department, located upon the property to be conveyed under subsection (a). All cash consideration must be paid in full, and any in-kind consideration must be complete and useable, and delivered to the satisfaction of the Secretary at or prior to date of the conveyance under subsection (a).

(2) IN-KIND CONSIDERATION.—In-kind consideration described in this paragraph may include the acquisition, construction, provision, improvement, maintenance, repair, or restoration (including environmental restoration), or combination thereof, of any facilities or infrastructure within proximity to the Joint Base Charleston Weapons Station (South Annex) and located on Joint Base Charleston, that the Secretary considers acceptable.

(3) TREATMENT OF CASH CONSIDERATION RECEIVED.—Any cash payment received by the United States under paragraph (1) shall be deposited in the special account in the Treasury referred to in subparagraph (A) of paragraph (5) of subsection (b) of section 572 of title 40, United States Code, and shall be available in accordance with subparagraph (B) of such paragraph.

(c) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary may require the City to cover all costs to be incurred by the Secretary, or to reimburse the Secretary for costs incurred by the Secretary, to carry out the conveyance under subsection (a), including survey costs, appraisal costs, costs related to environmental documentation, and any other administrative costs

related to the conveyance. If amounts paid by the City to the Secretary in advance exceed the costs actually incurred by the Secretary to carry out the conveyance, the Secretary shall refund the excess amount to the City.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received under paragraph (1) as reimbursement for costs incurred by the Secretary to carry out the conveyance under subsection (a) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the conveyance, or to an appropriate fund or account that is available to the Secretary for the purposes for which the costs were paid. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) 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.

(e) CONDITION OF CONVEYANCE.—The conveyance under subsection (a) shall be subject to all valid existing rights and the condition that the City accept the property

(and any improvements thereon) in its condition at the time of the conveyance (commonly known as a conveyance ''as is'').

(f) ADDITIONAL TERMS AND CONDITIONS.—The Secretary 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.

(g) OLD NAVY YARD.—In this section, the term ''Old Navy Yard'' includes the facilities used by the Naval Information Warfare Center Atlantic including, buildings 1602, 1603, 1639, 1648, and such other facilities, infrastructure, and land along or near the Cooper River waterfront at Joint Base Charleston as the Secretary considers to be appropriate.

**SEC. 2854. LAND CONVEYANCE, NAVAL AIR STATION OCEANA, DAM NECK ANNEX, VIRGINIA BEACH, VIRGINIA.**

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Navy may convey to the Hampton Roads Sanitation District (in this section referred to as the ''HRSD'') all right, title, and interest of the United States in and to a parcel of installation real property, including any improvements thereon, consisting of approximately 7.9 acres located at Naval Air Station Oceana in Dam Neck Annex,

Virginia Beach, Virginia. The Secretary may void any land use restrictions associated with the property to be conveyed under this subsection.

(b) CONSIDERATION.—

(1) AMOUNT AND DETERMINATION.—As consideration for the conveyance under subsection (a), the HRSD shall pay to the Secretary of the Navy an amount that is not less than the fair market value of the property conveyed, as determined by the Secretary. The Secretary's determination of fair market value shall be final. In lieu of all or a portion of cash payment of consideration, the Secretary may accept in-kind consideration.

(2) TREATMENT OF CASH CONSIDERATION.—The Secretary of the Navy shall deposit any cash payment received under paragraph (1) in the special account in the Treasury established for the Secretary of the Navy under subsection (a) of paragraph (1) of subsection (e) of section 2667 of title 10, United States Code. The entire amount deposited shall be available for use in accordance with subparagraph (D) of such paragraph.

(c) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary of the Navy shall require the HRSD to cover costs to

be incurred by the Secretary, or to reimburse the Secretary for costs incurred by the Secretary, to carry out the conveyance under subsection (a), including survey costs, costs related to environmental documentation, and any other administrative costs related to the conveyance. If amounts are collected 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 HRSD.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursement under paragraph (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. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the parcel of real property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Secretary of the Navy.

(e) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of the Navy 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.

**SEC. 2855. LAND EXCHANGE, MARINE RESERVE TRAINING CENTER, OMAHA, NEBRASKA.**

(a) LAND EXCHANGE AUTHORIZED.—The Secretary of the Navy may convey to the Metropolitan Community College Area, a political subdivision of the State of Nebraska, (in this section referred to as the ''College''), all right, title, and interest of the United States in and to a parcel of real property, including improvements thereon, known as the Marine Reserve Training Center in Omaha, Nebraska.

(b) CONSIDERATION.—As consideration for the conveyance under subsection (a), the College shall convey to the Secretary of the Navy real property interests either adjacent or proximate, to Offutt Air Force Base, Nebraska.

(c) LAND EXCHANGE AGREEMENT.—The Secretary of the Navy and the College may enter into a land exchange agreement to implement this section.

(d) VALUATION.—The value of each property interest to be exchanged by the Secretary of the Navy and the Col-

lege described in subsections (a) and (b) shall be determined—

(1) by an independent appraiser selected by the Secretary; and

(2) in accordance with the Uniform Appraisal Standards for Federal Land Acquisitions and the Uniform Standards of Professional Appraisal Practice.

(e) CASH EQUALIZATION PAYMENTS.—

(1) TO THE SECRETARY.—If the value of the property interests described in subsection (a) is greater than the value of the property interests described in subsection (b), the values shall be equalized through either of the following or a combination thereof:

(A) A cash equalization payment from the College to the Department of the Navy.

(B) In-kind consideration provided by the College, which may include the acquisition, construction, provision, improvement, maintenance, repair, or restoration (including environmental restoration), or combination thereof, of any facilities or infrastructure, or delivery of services relating to the needs of Marine Corps Reserve Training Center Omaha.

(2) NO EQUALIZATION.—If the value of the property interests described in subsection (b) is greater than the value of the property interests described in subsection (a), the Secretary may not make a cash equalization payment to equalize the values.

(f) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary of the Navy shall require the College to pay all costs to be incurred by the Secretary to carry out the exchange of property interests under this section, including such costs related to land survey, environmental documentation, real estate due diligence such as appraisals, and any other administrative costs related to the exchange of property interests, including costs incurred preparing and executing a land exchange agreement authorized under subsection (c). If amounts are collected from the College 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 exchange of property interests, the Secretary shall refund the excess amount to the College.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received by the Secretary of the Navy

under paragraph (1) shall be used in accordance with section 2695(c) of title 10, United States Code.

(g) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property interests to be exchanged under this section shall be determined by surveys that are satisfactory to the Secretary of the Navy.

(h) CONVEYANCE AGREEMENT.—The exchange of real property interests under this section shall be accomplished using an appropriate legal instrument and upon terms and conditions mutually satisfactory to the Secretary of the Navy and the College, including such additional terms and conditions as the Secretary considers appropriate to protect the interests of the United States.

(i) EXEMPTION FROM SCREENING REQUIREMENTS FOR ADDITIONAL FEDERAL USE.—The authority under this section is exempt from the screening process required under section 2696(b) of title 10, United States Code.

# Subtitle G—Miscellaneous Studies and Reports

### SEC. 2861. FFRDC STUDY ON PRACTICES WITH RESPECT TO DEVELOPMENT OF MILITARY CONSTRUCTION PROJECTS.

(a) STUDY REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into an agreement with a fed-

erally funded research and development center for the conduct of a study on the practices of the Department of Defense with respect to the development of military construction projects.

(b) ELEMENTS.—An agreement under subsection (a) shall specify that the study conducted pursuant to the agreement shall address each of the following:

(1) Practices with respect to adoption of United Facilities Criteria changes and their inclusion into advanced planning, DD form 1391 budget justifications, and planning and design.

(2) Practices with respect to how sustainable materials, such as mass timber and low carbon concrete, are assessed and included in advanced planning, DD form 1391 budget justifications, and planning and design.

(3) Barriers to incorporating innovative techniques, including 3D printed building techniques.

(4) Whether the Strategic Environmental Research and Development Program or the Environmental Security Technology Certification Program could be used to validate such materials and techniques to provide the Army Corps of Engineers and the Naval Facilities Engineering Systems Command

with confidence in the use of such materials and techniques.

(c) REPORT TO CONGRESS.—Not later than 60 days after the completion of a study pursuant to an agreement under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a report on the results of the study.

# Subtitle H—Other Matters

**SEC. 2871. DEFENSE COMMUNITY INFRASTRUCTURE PROGRAM.**

Section 2391(e)(4)(A)(i) of title 10, United States Code, is amended by inserting ''or on property subject to a real estate agreement with a military installation, including a lease or easement'' after ''installation''.

**SEC. 2872. INCLUSION IN DEFENSE COMMUNITY INFRASTRUCTURE PILOT PROGRAM OF CERTAIN PROJECTS FOR ROTC TRAINING.**

Section 2391 of title 10, United States Code, is further amended—

(1) in subsection (d)(1)(B)—

(A) by redesignating clauses (ii) and (iii) as clauses (iii) and (iv), respectively; and

(B) by inserting after clause (i) the following new clause (ii):

''(ii) Projects that will contribute to the training of cadets enrolled in an independent Reserve Officer Training Corps program at a covered educational institution.''; and

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

''(6) The term 'covered educational institution' means a college or university that is—

''(A) a part B institution, as defined in section 322 of the Higher Education Act of 1965 (20 U.S.C. 1061);

''(B) an 1890 Institution, as defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601);

''(C) not affiliated with a consortium; and

''(D) located at least 40 miles from a major military installation.''.

**SEC. 2873. BASING DECISION SCORECARD CONSISTENCY AND TRANSPARENCY.**

Section 2883(h) of the Military Construction Authorization Act for Fiscal Year 2021 (Public Law 116–283; 10 U.S.C. 1781b note) is amended by adding at the end the following new paragraphs:

''(4) COORDINATION WITH SECRETARY OF DEFENSE.—In establishing a scorecard under this subsection, the Secretary of the military department concerned shall coordinate with the Secretary of Defense to ensure consistency among the military departments.

''(5) PUBLICATION IN FEDERAL REGISTER.—The methodology and criteria for establishing each scorecard under this subsection shall be published in the Federal Register for public comment.''.

**SEC. 2874. LEASE OR USE AGREEMENT FOR CATEGORY 3 SUBTERRANEAN TRAINING FACILITY.**

(a) IN GENERAL.—The Secretary of Defense shall seek to enter into a lease or use agreement with a category 3 subterranean training facility that—

(1) is located in close proximity to air assault and special forces units; and

(2) has the capacity to—

(A) provide brigade or large full-mission profile training;

(B) rapidly replicate full-scale underground venues;

(C) support helicopter landing zones; and

(D) support underground live fire.

(b) USE OF FACILITY.—A lease or use agreement entered into pursuant to subsection (a) shall provide that the category 3 subterranean training facility shall be available for—

(1) the hosting of training and testing exercises for—

(A) for members of the Armed Forces, including special operations forces;

(B) personnel of combat support agencies, including the Defense Threat Reduction Agency; and

(C) such other personnel as the Secretary of Defense determines appropriate; and

(2) for such other purposes as the Secretary of Defense determines appropriate.

(c) DURATION.—The duration of any lease or use agreement entered into pursuant to subsection (a) shall be for a period of not less than 5 years.

(d) CATEGORY 3 SUBTERRANEAN TRAINING FACILITY DEFINED.—In this section, the term ''category 3 subterranean training facility'' means an underground structure designed and built—

(1) to be unobserved and to provide maximum protection; and

(2) to serve as a command and control, operations, storage, production, and protection facility.

**SEC. 2875. REQUIRED CONSULTATION WITH STATE AND LOCAL ENTITIES ON ISSUES RELATED TO INCREASE IN NUMBER OF MILITARY PERSONNEL AT MILITARY INSTALLATIONS.**

If any decision of the Secretary of Defense or the Secretary of a military department would result in a significant increase in the number of members of the Armed Forces assigned to a military installation, the Secretary of Defense or the Secretary of the military department concerned, during the development of the plans to implement the decision with respect to that installation, shall consult with appropriate State and local entities to ensure that matters affecting the local community, including requirements for transportation, utility infrastructure, housing, education, and family support activities, are considered.

**SEC. 2876. REQUIRED INVESTMENTS IN IMPROVING CHILD DEVELOPMENT CENTERS.**

(a) INVESTMENTS IN CHILD DEVELOPMENT CENTERS.—Of the total amount authorized to be appropriated for the Department of Defense for Facilities Sustainment, Restoration, and Modernization activities of a military department, the Secretary of that military department shall

reserve the following amounts of the estimated replacement cost of the total inventory of child development centers under the jurisdiction of that Secretary for the purpose of carrying out projects for the improvement of child development centers:

(1) An amount equal to one percent of such cost for fiscal year 2023.

(2) An amount equal to two percent of such cost for fiscal year 2024.

(3) An amount equal to three percent of such cost for fiscal year 2025.

(4) An amount equal to five percent or such cost for fiscal year 2026.

(b) CHILD DEVELOPMENT CENTER DEFINED.—The term ''child development center'' has meaning given the term ''military child development center'' in section 1800(1) of title 10, United States Code.

**SEC. 2877. LIMITATION ON USE OF FUNDS FOR CLOSURE OF COMBAT READINESS TRAINING CENTERS.**

(a) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the Air Force may be obligated or expended to close, or prepare to close, any combat readiness training center.

(b) WAIVER.—The Secretary of the Air Force may waive the limitation under subsection (a) with respect to a combat readiness training center, if the Secretary submits to the congressional defense committees each of the following:

(1) A certification that—

(A) the closure of the center would not be in violation of section 2687 of title 10, United States Code; and

(B) the support capabilities provided by the center will not be diminished as a result of the closure of the center.

(2) A report that includes—

(A) a detailed business case analysis for the closure of the center; and

(B) an assessment of the effects the closure of the center would have on unit training, including active duty units that may use the center.

**SEC. 2878. PILOT PROGRAM ON USE OF MASS TIMBER IN MILITARY CONSTRUCTION PROJECTS.**

(a) IN GENERAL.—The Secretary of each of the military departments shall carry out a pilot program to evaluate how the use of mass timber as the primary construction material in military construction projects affects the

environmental sustainability, infrastructure resilience, cost effectiveness, and construction timeliness of such projects. The Secretary of a military department may carry out a military construction project under the pilot program using the authorities available to the Secretary of Defense under section 2914 of title 10, United States Code, regarding military construction projects for energy resilience, energy security, and energy conservation.

(b) PROJECT SELECTION AND LOCATION.—

(1) MINIMUM NUMBER.—Each Secretary of a military department shall carry out at least one military construction project under the pilot program.

(2) PROJECT LOCATIONS.—The pilot program shall be conducted at military installations in the United States—

(A) that are identified as vulnerable to extreme weather events; and

(B) for which a military construction project is authorized but a request for proposal has not been released.

(3) MILITARY UNACCOMPANIED HOUSING.—In selecting military construction projects for the pilot program, the Secretaries of the military departments shall coordinate to ensure that at least one of the

projects involves the construction of military unaccompanied housing.

(c) REPORTS.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, and every 180 days thereafter until December 31, 2025, the Secretaries of the military departments shall jointly submit to the congressional defense committees a report on the progress of the pilot program.

(2) ELEMENTS.—Each report required under paragraph (1) shall include each of the following:

(A) A description of the status of the military construction projects selected to be conducted under the pilot program.

(B) An explanation of the reasons for the selection of such military construction projects.

(C) An analysis of the projected or actual carbon footprint, including stored carbon in building materials, resilience to extreme weather events, construction timeliness, and cost effectiveness, of the military construction projects conducted under the pilot program using mass timber as compared to other materials historically used in military construction.

(D) Any updated guidance the Under Secretary of Defense for Acquisition and Sustainment has released in relation to the procurement policy for future military construction projects based on comparable benefits realized from use of mass timber, including guidance on prioritizing sustainable materials in establishing evaluation criteria for military construction project contracts when technically feasible.

(d) MASS TIMBER DEFINED.—In this section, the term ''mass timber'' means any of the following:

(1) Cross-laminated timber.

(2) Nail-laminated timber.

(3) Glue-laminated timber.

(4) Laminated strand lumber.

(5) Laminated veneer lumber,

(e) TERMINATION.—The authority of the Secretary of a military department to carry out a military construction project under this section shall expire on September 30, 2025. Any construction commenced under the pilot program before such date may continue until completion.

**SEC. 2879. CONTRIBUTIONS FOR CLIMATE RESILIENCE FOR NORTH ATLANTIC TREATY ORGANIZATIONS SECURITY INVESTMENT.**

Section 2806(a) of title 10, United States Code, is amended by striking ''and construction'' and inserting ''construction, and climate resilience''.

**SEC. 2880. SCREENING AND REGISTRY OF INDIVIDUALS WITH HEALTH CONDITIONS RESULTING FROM UNSAFE HOUSING UNITS.**

(a) IN GENERAL.—Subchapter V of chapter 169 of title 10, United States Code, is amended by adding at the end the following new section:

**''§ 2895. Screening and registry of individuals with health conditions resulting from unsafe housing units**

''(a) SCREENING.—(1) The Secretary of Defense, in consultation with appropriate scientific agencies as determined by the Secretary, may ensure that all military medical treatment facilities screen eligible individuals for covered conditions.

''(2) The Secretary may establish procedures through which screening under paragraph (1) may allow an eligible individual to be included in the registry under subsection (b).

''(b) REGISTRY.—(1) The Secretary of Defense shall establish and maintain a registry of eligible individuals who have a covered condition.

''(2) The Secretary shall include any information in the registry under paragraph (1) that the Secretary determines necessary to ascertain and monitor the health of eligible individuals and the connection between the health of such individuals and an unsafe housing unit.

''(3) The Secretary shall develop a public information campaign to inform eligible individuals about the registry under paragraph (1), including how to register and the benefits of registering.

''(c) DEFINITIONS.—In this section:

''(1) The term 'covered armed force' means the following:

''(A) The Army.

''(B) The Navy.

''(C) The Marine Corps.

''(D) The Air Force.

''(E) The Space Force.

''(2) The term 'covered condition' means a medical condition that is determined by the Secretary of Defense to have resulted from residing in an unsafe housing unit.

''(3) The term 'eligible individual' means a member of a covered armed force or a family member of a member of a covered armed force who has resided in an unsafe housing unit.

''(4) The term 'unsafe housing unit' means a dwelling unit that—

''(A) does not meet the housing quality standards established under section 8(o)(8)(B) of the United States Housing Act of 1937 (42 U.S.C. 1437f(o)(8)(B)); or

''(B) is not free from dangerous air pollution levels from mold.''.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 2894a the following new item:

''2895. Screening and registry of individuals with health conditions resulting from unsafe housing units.''.

**SEC. 2881. RECOGNITION OF MEMORIAL, MEMORIAL GARDEN, AND K9 MEMORIAL OF THE NATIONAL NAVY UDT-SEAL MUSEUM IN FORT PIERCE, FLORIDA, AS A NATIONAL MEMORIAL, MEMORIAL GARDEN, AND K9 MEMORIAL, RESPECTIVELY, OF NAVY SEALS AND THEIR PREDECESSORS.**

The Memorial, Memorial Garden, and K9 Memorial of the National Navy UDT-SEAL Museum, located at 3300 North Highway A1A, North Hutchinson Island, in Fort Pierce, Florida, are recognized as a national memorial, memorial garden, and K9 memorial, respectively, of Navy SEALs and their predecessors.

# TITLE XXIX—SCIENCE AND TECHNOLOGY MILITARY CONSTRUCTION

**SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

The Secretary of the Army may acquire real property and carry out the military construction projects for the installations inside the United States, and in the amounts, set forth in the following table:

**Army: Inside the United States**

| Country | Installation | Amount |
|---|---|---|
| Alabama | Redstone Arsenal | $50,000,000 |
| Maryland | Aberdeen | $85,000,000 |
| Mississippi | Vicksburg | $20,000,000 |
| New Jersey | Picatinny Arsenal | $12,000,000 |

**SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECT.**

The Secretary of the Navy may acquire real property and carry out the military construction project for the installation inside the United States, and in the amount, set forth in the following table:

**Navy: Inside the United States**

| Country | Installation | Amount |
|---|---|---|
| California | Corona | $15,000,000 |
| Maryland | Carderock | $2,073,000 |
| | Indian Head | $8,039,000 |
| Virginia | Dahlgren | $2,503,000 |

**SEC. 2903. 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 inside the United States, and in the amounts, set forth in the following table:

**Air Force: Inside the United States**

| Country | Installation | Amount |
|---|---|---|
| Hawaii | AFRL Maui | $89,000,000 |
| New York | AFRL Rome | $4,200,000 |

**SEC. 2904. AUTHORIZATION OF APPROPRIATIONS.**

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2022, for the military construction projects inside the United States authorized by this title as specified in the funding table in section 4601.

# 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 2023 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 23–D–516, Energetic Materials Characterization Facility, Los Alamos National Laboratory, Los Alamos, New Mexico, $19,000,000.

Project 23–D–517, Electrical Power Capacity Upgrade, Los Alamos National Laboratory, Los Alamos, New Mexico, $24,000,000.

Project 23–D–518, Plutonium Modernization Operations & Waste Management Office Building, Los Alamos National Laboratory, Los Alamos, New Mexico, $48,500,000.

Project 23–D–519, Special Materials Facility, Y–12 National Security Complex, Oak Ridge, Tennessee, $49,500,000.

Project 23–D–533, Component Test Complex Project, Bettis Atomic Power Laboratory, West Mifflin, Pennsylvania, $57,420,000.

**SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.**

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2023 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 23–D–402, Calcine Construction, Idaho National Laboratory, Idaho Falls, Idaho, $10,000,000.

Project 23–D–403, Hanford 200 West Area Tank Farms Risk Management Project, Office of River Protection, Richland, Washington, $45,000,000.

Project 23–D–404, 181D Export Water System Reconfiguration and Upgrade, Hanford Site, Richland, Washington, $6,770,000.

Project 23–D–405, 181B Export Water System Reconfiguration and Upgrade, Hanford Site, Richland, Washington, $480,000.

**SEC. 3103. OTHER DEFENSE ACTIVITIES.**

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2023 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 2023 for nuclear energy as specified in the funding table in section 4701.

# Subtitle B—Program Authorizations, Restrictions, Limitations, and Other Matters

**SEC. 3111. PLUTONIUM PIT PRODUCTION CAPACITY.**

(a) FINDING.—Congress finds that the National Nuclear Security Administration and the Nuclear Weapons Council have acknowledged that producing 80 war reserve plutonium pit per year by 2030 is not achievable.

(b) REQUIREMENT.—Subsection (a) of section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a) is amended to read as follows:

''(a) PRODUCTION.—

''(1) REQUIREMENT.—The Secretary of Energy shall produce the annual number of war reserve plutonium pits that the Secretary of Defense identifies as a requirement of the Department of Defense.

''(2) CAPACITY.—In carrying out paragraph (1), the Secretary of Energy shall—

''(A) ensure that Los Alamos National Laboratory, Los Alamos, New Mexico, has the ability to—

''(i) produce 30 war reserve plutonium pits during any year that the Secretary of Defense identifies such production amount

as a requirement of the Department of Defense; and

''(ii) implement surge efforts to produce more than 30 war reserve plutonium pits during any year that the Secretaries identifies such production amount as a requirement of the Department of Defense;

''(B) ensure that the Savannah River Plutonium Processing Facility at the Savannah River Site, Aiken, South Carolina, has a sustainable ability to—

''(i) produce 50 war reserve plutonium pits during any year the Secretary of Defense identifies such production amount as a requirement of the Department of Defense; and

''(ii) implement surge efforts to produce more than 50 war reserve plutonium pits during any year that the Secretaries identifies such production amount as a requirement of the Department of Defense; and

''(C) maintain the Los Alamos National Laboratory as the Plutonium Science and Pro-

duction Center of Excellence for the United States.''.

(c) CERTIFICATIONS.—Such section is further amended—

(1) by striking subsections (b) and (c);

(2) by redesignating subsections (d) through (f) as subsections (c) through (e), respectively;

(3) by inserting after subsection (a) the following new subsection (b):

''(b) ANNUAL NOTIFICATIONS, CERTIFICATIONS, AND PLANS.—

''(1) DEPARTMENT OF DEFENSE.—Not later than March 1, 2023, and each year thereafter, the Secretary of Defense shall notify the Secretary of Energy and the appropriate congressional committees of the following:

''(A) The requirement of the Department of Defense with respect to the total minimum number of war reserve plutonium pits to be produced during the 10-year period following the notification and a justification of the requirement.

''(B) The year, if any, in which not fewer than 80 war reserve plutonium pits are needed

to be produced to meet the requirement of the Department of Defense.

''(2) DEPARTMENT OF ENERGY.—Not later than 30 days after the date on which the Secretary of Energy receives a notification under paragraph (1), the Secretary shall submit to the appropriate congressional committees the following:

''(A) A certification of whether the programs and budget of the Secretary will enable the nuclear security enterprise to meet the requirements identified by the Secretary of Defense in the notification.

''(B) A plan by the Secretary of Energy to meet such requirements, including an identification of the number of war reserve plutonium pits the Secretary will produce during each year covered by the notification and a cost estimate to meet such requirements.''; and

(4) by striking subsection (e), as so redesignated, and inserting the following new subsection:

''(e) DEFINITIONS.—In this section:

''(1) The term 'appropriate congressional committees' means the following:

''(A) The congressional defense committees.

''(B) The Committee on Energy and Commerce of the House of Representatives and the Committee on Energy and Natural Resources of the Senate.

''(2) The term 'covered project' means—

''(A) the Savannah River Plutonium Processing Facility, Savannah River Site, Aiken, South Carolina (Project 21–D–511); or

''(B) the Plutonium Pit Production Project, Los Alamos National Laboratory, Los Alamos, New Mexico (Project 21–D–512).''.

(d) CONFORMING REPEAL.—Section 3120 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2292) is repealed.

**SEC. 3112. NUCLEAR WARHEAD ACQUISITION PROCESS.**

(a) EXPANSION OF REPORTING AND CERTIFICATION REQUIREMENTS.—Section 4223 of the Atomic Energy Defense Act (50 U.S.C. 2538e), as amended by section 3114, is further amended as follows:

(1) By striking ''the W93 nuclear weapon'' each place it appears and inserting ''a covered nuclear weapon''.

(2) By striking ''a W93 nuclear weapon program'' each place it appears and inserting ''a program for that nuclear weapon''.

(3) In subsection (b)(2), by striking ''for the sub-surface ballistic nuclear (SSBN) force''.

(4) By striking subsection (d) and inserting the following new subsection (d):

''(d) DEFINITIONS.—In this section:

''(1) The term 'covered nuclear weapon' means the following:

''(A) The W93 nuclear weapon.

''(B) A modified nuclear weapon.

''(C) A new nuclear weapon.

''(2) The term 'joint nuclear weapons life cycle' has the meaning given that term in section 4220.

''(3) The terms 'modified nuclear weapon' and 'new nuclear weapon' have the meaning given those terms in section 4209.''.

(b) CONFORMING AMENDMENT.—Such Act is further amended by striking the section heading for section 4223 and inserting the following (and conforming the table of contents at the beginning of such Act accordingly): ''**NUCLEAR WARHEAD ACQUISITION PROCESS**''.

**SEC. 3113. AUTHORIZED PERSONNEL LEVELS OF THE OFFICE OF THE ADMINISTRATOR.**

(a) MODIFICATION OF AUTHORIZED LEVELS.—Subsection (a) of section 3241A of the National Nuclear Security Administration Act (50 U.S.C. 2441a) is amended to read as follows:

''(a) FULL-TIME EQUIVALENT PERSONNEL LEVELS.—

''(1) AUTHORIZED LEVEL.—For fiscal year 2023 and each fiscal year thereafter, the total number of employees of the Office of the Administrator may not exceed 110 percent of the total number of employees of the Office during the previous fiscal year unless, during each fiscal year in which such number is exceeded, the Administrator submits to the congressional defense committees a report justifying such excess.

''(2) NOTIFICATION OF TOTAL NUMBER.—Not later than December 31, 2022, and each year thereafter, the Administrator shall notify the congressional defense committees, the Committee on Energy and Commerce of the House of Representatives, and the Committee on Energy and Natural Resources of the Senate of the total number of employees of the Office of the Administrator during the previous fis-

cal year, broken down by the office in which the employees are assigned.''.

(b) REPORT.—Subsection (f) of such section is amended to read as follows:

''(f) ANNUAL REPORT.—The Administrator shall include in the budget justification materials submitted to Congress in support of the budget of the Administration for each fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code) a report containing the following information:

''(1) A projection of the expected number of employees of the Office of the Administrator, as counted under subsection (a), for the fiscal year covered by the budget justification materials and the four subsequent fiscal years, broken down by the office in which the employees are projected to be assigned.

''(2) With respect to the most recent fiscal year for which data is available—

''(A) the number of service support contracts of the Administration and whether such contracts are funded using program or program direction funds;

''(B) the number of full-time equivalent contractor employees working under each contract identified under subparagraph (A);

''(C) the number of full-time equivalent contractor employees described in subparagraph (B) that have been employed under such a contract for a period greater than two years;

''(D) with respect to each contract identified under subparagraph (A)—

''(i) identification of each appropriations account that supports the contract; and

''(ii) the amount obligated under the contract during the fiscal year, listed by each such account; and

''(E) with respect to each appropriations account identified under subparagraph (D)(i), the total amount obligated for contracts identified under subparagraph (A).''.

**SEC. 3114. MODIFICATION TO CERTAIN REPORTING REQUIREMENTS.**

(a) REPORTS ON NUCLEAR WARHEAD ACQUISITION PROCESS.—Section 4223 of the Atomic Energy Defense Act (50 U.S.C. 2538e) is amended—

(1) in subsection (a)(2)(A), by striking ''submit to the congressional defense committees a plan'' and inserting ''provide to the congressional defense committees a briefing on a plan''; and

(2) in subsection (b)—

(A) in paragraph (1), by striking ''certify to the congressional defense committees that'' and inserting ''provide to the congressional defense committees a briefing that includes certifications that—''; and

(B) in paragraph (2)—

(i) by inserting '', or provide to such committees a briefing on,'' after ''a report containing''; and

(ii) by inserting ''or briefing, as the case may be'' after ''date of the report''.

(b) REPORTS ON TRANSFERS OF CIVIL NUCLEAR TECHNOLOGY.—Section 3136 of the National Defense Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a) is amended—

(1) by redesignating subsection (i) as subsection (j); and

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

''(i) COMBINATION OF REPORTS.—The Secretary of Energy may submit the annual reports required by subsections (a), (d), and (e) as a single annual report, including by providing portions of the information so required as an annex to the single annual report.''.

(c) CONFORMING AMENDMENT.—Section 161 n. of the Atomic Energy Act of 1954 (50 U.S.C. 2201(n)) is amended by striking ''section 3136(i) of the National Defense Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a(i)))'' and inserting ''section 3136 of the National Defense Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a(j)))''.

**SEC. 3115. MODIFICATIONS TO LONG-TERM PLAN FOR MEETING NATIONAL SECURITY REQUIREMENTS FOR UNENCUMBERED URANIUM.**

(a) TIMING.—Subsection (a) of section 4221 of the Atomic Energy Defense Act (50 U.S.C. 2538c) is amended—

(1) by striking ''each even-numbered year through 2026'' and inserting ''each odd-numbered year through 2029''; and

(2) by striking ''2065'' and inserting ''2070''.

(b) PLAN REQUIREMENTS.—Subsection (b) of such section is amended—

(1) in paragraph (3), by inserting ''through 2070'' after ''unencumbered uranium'';

(2) by redesignating paragraphs (4) through (8) as paragraphs (5) through (9), respectively;

(3) by inserting after paragraph (3) the following new paragraph (4):

''(4) An assessment of current and projected unencumbered uranium production by private industry in the United States that could support future defense requirements.''; and

(4) by striking paragraphs (8) and (9), as so redesignated, and inserting the following new paragraphs:

''(8) An assessment of—

''(A) whether, and if so when, additional enrichment of uranium will be required to meet national security requirements; and

''(B) the options the Secretary is considering to meet such requirements, including an estimated cost and timeline for each option and a description of any changes to policy or law that the Secretary determines would be required for each option.

''(9) An assessment of whether, and how, options to provide additional enriched uranium to meet

national security requirements could, as an additional benefit, contribute to the establishment of a sustained domestic enrichment capacity and allow the commercial sector of the United States to reduce reliance on importing uranium from adversary countries.''.

(c) COMPTROLLER GENERAL REVIEW.—Such section is further amended—

(1) by redesignating subsection (d) as subsection (e); and

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

''(d) COMPTROLLER GENERAL BRIEFING.—Not later than 180 days after the date on which the congressional defense committees receive each plan under subsection (a), the Comptroller General of the United States shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing that includes an assessment of the plan.''.

**SEC. 3116. MODIFICATION OF MINOR CONSTRUCTION THRESHOLD FOR PLANT PROJECTS.**

Section 4701(2) of the Atomic Energy Defense Act (50 U.S.C. 2741(2)) is amended by striking ''$25,000,000'' and inserting ''$30,000,000''.

**SEC. 3117. PROHIBITION ON AVAILABILITY OF FUNDS TO RECONVERT OR RETIRE W76–2 WARHEADS.**

(a) PROHIBITION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2023 for the National Nuclear Security Administration may be obligated or expended to reconvert or retire a W76–2 warhead.

(b) WAIVER.—The Administrator for Nuclear Security may waive the prohibition in subsection (a) if the Administrator, in consultation with the Secretary of Defense, and the Chairman of the Joint Chiefs of Staff, certifies in writing to the congressional defense committees—

(1) that Russia and China do not possess naval capabilities similar to the W76–2 warhead in the active stockpiles of the respective country; and

(2) that the Department of Defense does not have a valid military requirement for the W76–2 warhead.

**SEC. 3118. COMPTROLLER GENERAL STUDY ON NATIONAL NUCLEAR SECURITY ADMINISTRATION MANAGEMENT AND OPERATION CONTRACTING PROCESS.**

(a) STUDY AND REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall—

(1) conduct a study to identify and assess the process by which the Administrator for Nuclear Security awards management and operation contracts for Kansas City National Security Campus, Lawrence Livermore National Laboratory, Los Alamos National Laboratory, Nevada National Security Site, Y–12 National Security Complex, Pantex Plant, Sandia National Laboratories, and Savannah River Site; and

(2) submit to the Administrator, the Nuclear Weapons Council, and the congressional defense committees a report containing the findings of such study and any recommendations that the Comptroller General identifies based on its analysis.

(b) MATTERS.—The report under subsection (a) shall include the following:

(1) An evaluation of the process by which management and operation contracts are awarded to contractors for National Nuclear Security Administration facilities.

(2) A detailed analysis of the impact that transitioning to a new contractor has on the mission and workforce of the National Nuclear Security Administration, including an assessment of—

(A) costs incurred when a management and operation contract is awarded and then later canceled;

(B) cost estimates for the contract award process; and

(C) any impact to the overall mission of the facility.

(3) An identification of factors involved in the awarding of the contract that could negatively affect the workforce.

(4) A review of any recent successful protests against the award of a management and operation contract.

(5) Such other matters as may be determined appropriate by the Comptroller General.

(c) BRIEFING.—Not later than 90 days after the date on which the Administrator receives the report submitted under subsection (a), the Administrator, in coordination with the Nuclear Weapons Council, shall provide to the congressional defense committees a briefing on any statutory changes the Administrator determines necessary to improve the management and operation contract awarding process and to conduct the process in a more cost effective manner.

# TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

**SEC. 3201. AUTHORIZATION.**

There are authorized to be appropriated for fiscal year 2023, $41,401,000 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.).

**SEC. 3202. CONTINUATION OF FUNCTIONS AND POWERS DURING LOSS OF QUORUM.**

Section 311(e) of the Atomic Energy Act of 1954 (42 U.S.C. 2286(e)) is amended—

(1) by striking ''Three members'' and inserting ''(1) Three members''; and

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

''(2) During a covered period, the Chairperson may carry out the functions and powers of the Board under sections 312 through 316, notwithstanding that a quorum does not exist.

''(3) In carrying out the functions and powers of the Board during a covered period pursuant to paragraph (2), the Chairperson shall consult with any other member of the Board who is serving during the covered period and not incapacitated, except that the Chairperson may make

recommendations to the Secretary of Energy and initiate investigations under section 312 only with the concurrence of any such other member.

''(4) In this subsection, the term 'covered period' means a period beginning on the date on which a quorum specified in paragraph (1) does not exist by reason of either or both a vacancy in the membership of the Board or the incapacity of a member of the Board and ending on the earlier of—

''(A) the date that is one year after such beginning date; or

''(B) the date on which a quorum exists.''.

# TITLE XXXIV—NAVAL PETROLEUM RESERVES

**SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.**

(a) AMOUNT.—There are hereby authorized to be appropriated to the Secretary of Energy $13,004,000 for fiscal year 2023 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 SECURITY

## Subtitle A—Maritime Administration

### SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINISTRATION.

(a) IN GENERAL.—There are authorized to be appropriated to the Department of Transportation for fiscal year 2023 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, $99,748,000, of which—

(A) $87,848,000 shall be for Academy operations; and

(B) $11,900,000 shall be for capital asset management at the Academy.

(2) For expenses necessary to support the State maritime academies, $120,700,000, of which—

(A) $2,400,000 is for the Student Incentive Program;

(B) $6,000,000 is for direct payments;

(C) $6,800,000 is for training ship fuel assistance;

(D) $30,500,000 for school ship maintenance and repair; and

(E) $75,000,000 for the National Security Multi-Mission Vessel.

(3) For expenses necessary to support Maritime Administration operations and programs, Headquarters Operations, $67,433,000.

(4) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $6,000,000.

(5) 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, $318,000,000.

(6) 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 administrative expenses relating to loan guarantee commitments under the program.

(7) For expenses necessary to provide for the Tanker Security Fleet, as authorized under chapter 534 of title 46, United States Code, $60,000,000.

(8) For expenses necessary to support maritime environmental and technical assistance activities authorized under section 50307 of title 46, United States Code, $15,000,000.

(9) For expenses necessary to support marine highway program activities authorized under chapter 556 of such title, $15,000,000.

(10) For expenses necessary to provide assistance to small shipyards and for the maritime training program authorized under section 54101 of title 46, United States Code, $25,000,000.

(11) For expenses necessary to implement the port infrastructure development activities authorized under subsections (a) and (b) of section 54301 of title 46, United States Code, $685,000,000.

(12) For expenses necessary to provide for sealift contested environment evaluation, $2,000,000.

(13) For expenses necessary to provide for National Defense Reserve Fleet resiliency, $800,000.

(14) For expenses necessary to provide for training ship State of Michigan maritime training platform requirements, $1,200,000.

(b) LIMITATION.—None of the amounts authorized to be appropriated for port infrastructure development activities under subsection (a)(11) may be used to provide a grant to purchase fully automated cargo handling equipment that is remotely operated or remotely monitored, with or without the exercise of human intervention or control, if the Secretary of Transportation determines such equipment would result in a net loss of jobs within a port or port terminal.

**SEC. 3502. SECRETARY OF TRANSPORTATION RESPONSIBILITY WITH RESPECT TO CARGOES PROCURED, FURNISHED, OR FINANCED BY OTHER FEDERAL DEPARTMENTS AND AGENCIES.**

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Administrator of the Maritime Administration shall issue a final rule to implement and enforce section 55305(d) of title 46, United States Code.

(b) PROGRAMS OF OTHER AGENCIES.—Section 55305(d)(2)(A) of title 46, United States Code, is amended by inserting after ''section'' the following: ''and annually submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Com-

mittee on Commerce, Science, and Transportation of the Senate a report on the administration of such programs''.

**SEC. 3503. UNITED STATES MARINE HIGHWAY PROGRAM.**

(a) UNITED STATES MARINE HIGHWAY PROGRAM.—Section 55601 of title 46, United States Code, is amended to read as follows:

**''§ 55601. United States marine highway program**

''(a) ESTABLISHMENT.—There is in the Department of Transportation a program, to be known as the 'United States marine highway program'.

''(b) CRITERIA.—In order to be designated as a marine highway transportation route under subsection (c) or as a marine highway transportation project under subsection (d), a route or project shall—

''(1) provide a coordinated and capable alternative to landside transportation;

''(2) mitigate or relieve landside congestion; or

''(3) promote marine highway transportation.

''(c) MARINE HIGHWAY TRANSPORTATION ROUTES.—The Secretary may—

''(1) designate a route that meets the criteria under subsection (b) as a marine highway transportation route; and

''(2) collect and disseminate data related to such designation.

''(d) PROJECT DESIGNATION.—The Secretary may—

''(1) designate a project that meets the criteria under subsection (b) as a marine highway transportation project if the Secretary determines that such project uses vessels documented under chapter 121 and—

''(A) develops, expands, or promotes—

''(i) marine highway transportation services;

''(ii) shipper utilization of marine highway transportation; or

''(iii) port and landside infrastructure for which assistance is not available under section 54301; or

''(B) implements strategies developed under section 5560; and

''(2) conduct research on solutions to impediments to such projects.

''(e) ASSISTANCE.—

''(1) IN GENERAL.—The Secretary may make grants, or enter into contracts or cooperative agreements, to implement a marine highway transportation project designated under subsection (e) or a component of such a project.

''(2) APPLICATION.—To be eligible to receive a grant or to enter into a contract or cooperative agreement under this subsection, an applicant shall—

''(A) submit to the Secretary an application in such form and manner, at such time, and containing such information as the Secretary may require; and

''(B) demonstrate to the satisfaction of the Secretary that—

''(i) the proposed project is financially viable;

''(ii) the funds received under the grant, contract, or cooperative agreement will be spent or used efficiently and effectively; and

''(iii) a market exists for the services of the proposed project, as evidenced by contracts or written statements of intent from potential customers.

''(3) NON-FEDERAL SHARE.—Not more than 80 percent of the funding for any project for which funding is provided under this subsection may come from Federal sources.

''(4) PREFERENCE FOR FINANCIALLY VIABLE PROJECTS.— In awarding grants or entering in contracts or cooperative agreements under this subsection, the Secretary shall give a preference to those projects or components that present the most financially viable transportation services and require the lowest percentage Federal share of the costs.

''(f) ADDITIONAL PROGRAM ACTIVITIES.—In carrying out the program established under subsection (a), the Secretary of Transportation may—

''(1) coordinate with ports, State departments of transportation, localities, other public agencies, and appropriate private sector entities on the development of landside facilities and infrastructure to support marine highway transportation; and

''(2) develop performance measures for the program.''.

(b) CLERICAL AMENDMENT.—The analysis for chapter 556 of title 46, United States Code, is amended by striking the item relating to section 55601 and inserting the following:

''55601. United States marine highway program.''.

**SEC. 3504. MULTISTATE, STATE, AND REGIONAL TRANSPORTATION PLANNING.**

(a) MULTISTATE, STATE, AND REGIONAL TRANSPORTATION PLANNING.—Chapter 556 of title 46, United

States Code, is amended by inserting after section 55602 the following:

**"§ 55603. Multistate, State, and regional transportation planning**

''(a) IN GENERAL.—The Secretary, in consultation with Federal entities, State and local governments, and appropriate private sector entities, may develop strategies to encourage the use of marine highway transportation for transportation of passengers and cargo.

''(b) STRATEGIES.—If the Secretary develops strategies under subsection (a), the Secretary may—

''(1) assess the extent to which States and local governments include marine highway transportation and other marine transportation solutions in transportation planning;

''(2) encourage State departments of transportation to develop strategies, where appropriate, to incorporate marine highway transportation, ferries, and other marine transportation solutions for regional and interstate transport of freight and passengers in transportation planning; and

''(3) encourage groups of States and multistate transportation entities to determine how marine highways can address congestion, bottlenecks, and other interstate transportation challenges.''.

(b) CLERICAL AMENDMENT.—The analysis for chapter 556 of title 46, United States Code, is amended by striking the item relating to section 55603 and inserting the following:

''55603. Multistate, State, and regional transportation planning.''.

# Subtitle B—Merchant Marine Academy

**SEC. 3511. APPOINTMENT OF SUPERINTENDENT OF UNITED STATES MERCHANT MARINE ACADEMY.**

Subsection (c) of section 51301 of title 46, United States Code, is amended to read as follows:

''(c) SUPERINTENDENT.—The immediate command of the United States Merchant Marine Academy shall be in the Superintendent of the Academy, who shall be appointed by the Secretary of Transportation and subject to the direction of the Maritime Administrator under the general supervision of the Secretary of Transportation.''.

**SEC. 3512. EXEMPTION OF CERTAIN STUDENTS FROM REQUIREMENT TO OBTAIN MERCHANT MARINER LICENSE.**

Section 51309 of title 46, United States Code, is amended by adding at the end the following:

''(d) EXEMPTION FROM REQUIREMENT TO OBTAIN LICENSE.—The Secretary may modify or waive the requirements of section 51306(a)(2) for students who provide reasonable concerns with obtaining a merchant mar-

iner license, including fear for safety while at sea after instances of trauma, medical condition, or inability to obtain required sea time or endorsement so long as such inability is not due to a lack of proficiency or violation of Academy policy. The issuance of a modification or waiver under this subsection shall not delay or impede graduation from the Academy.''.

**SEC. 3513. PROTECTION OF CADETS FROM SEXUAL ASSAULT ONBOARD VESSELS.**

(a) IN GENERAL.—Section 51322 of title 46, United States Code, is amended—

(1) by striking subsection (a) and inserting the following:

''(a) SAFETY CRITERIA.—The Maritime Administrator, after consulting with the Secretary of the department in which the Coast Guard is operating, shall establish—

''(1) criteria, to which an owner or operator of a vessel engaged in commercial service shall adhere prior to carrying a cadet performing their Sea Year service from the United States Merchant Marine Academy, that addresses prevention of, and response to, sexual harassment, dating violence, domestic violence, sexual assault, and stalking; and

''(2) a process for collecting pertinent information from such owners or operators and verifying their compliance with the criteria.

''(b) MINIMUM STANDARDS.—At a minimum, the criteria established under subsection (a) shall require the vessel owners or operators to have policies that address—

''(1) communication between a cadet and an individual ashore who is trained in responding to incidents of sexual harassment, dating violence, domestic violence, sexual assault, and stalking;

''(2) the safety and security of cadet staterooms while a cadet is onboard the vessel;

''(3) requirements for crew to report complaints or incidents of sexual assault, sexual harassment, dating violence, domestic violence, and stalking consistent with the requirements in section 10104;

''(4) the maintenance of records of reports of sexual harassment, dating violence, domestic violence, sexual assault, and stalking onboard a vessel carrying a cadet;

''(5) the maintenance of records of sexual harassment, dating violence, domestic violence, sexual assault, and stalking training as required under subsection (f);

''(6) a requirement for the owner or operator provide each cadet a copy of the policies and procedures related to sexual harassment, dating violence, domestic violence, sexual assault, and stalking policies that pertain to the vessel on which they will be employed; and

''(7) any other issues the Maritime Administrator determines necessary to ensure the safety of cadets during Sea Year training.

''(c) SELF-CERTIFICATION BY OWNERS OR OPERATORS.—The Maritime Administrator shall require the owner or operator of any commercial vessel that is carrying a cadet from the United States Merchant Marine Academy to annually certify that—

''(1) the vessel owner or operator is in compliance with the criteria established under subsection (a); and

''(2) the vessel is in compliance with the International Convention of Safety of Life at Sea, 1974 (32 UST 47) and sections 8106 and 70103(c).

''(d) INFORMATION, TRAINING, AND RESOURCES.—The Maritime Administrator shall ensure that a cadet participating in Sea Year—

''(1) receives training specific to vessel safety, including sexual harassment, dating violence, domes-

tic violence, sexual assault, and stalking prevention and response training, prior to the cadet boarding a vessel for Sea Year training;

''(2) is equipped with an appropriate means of communication and has been trained on its use;

''(3) has access to a helpline to report incidents of sexual harassment, dating violence, domestic violence, sexual assault, or stalking that is monitored by trained personnel; and

''(4) is informed of the legal requirements for vessel owners and operators to provide for the security of individuals onboard, including requirements under section 70103(c) and chapter 81.'';

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

(3) in subsection (e), as so redesignated, by striking paragraph (2) and inserting the following new paragraphs:

''(2) ACCESS TO INFORMATION.—The vessel operator shall make available to staff conducting a vessel check such information as the Maritime Administrator determines is necessary to determine whether the vessel is being operated in compliance with the criteria established under subsection (a).

''(3) REMOVAL OF STUDENTS.—If staff of the Academy or staff of the Maritime Administration determine that a commercial vessel is not in compliance with the criteria established under subsection (a), the staff—

''(A) may remove a cadet of the Academy from the vessel; and

''(B) shall report such determination of non-compliance to the owner or operator of the vessel.'';

(4) in subsection (f), as so redesignated, by striking ''or the seafarer union'' and inserting ''and the seafarer union''; and

(5) by adding at the end the following:

''(h) NONCOMMERCIAL VESSELS.—

''(1) IN GENERAL.—A public vessel (as defined in section 2101) shall not be subject to the requirements of this section.

''(2) REQUIREMENTS FOR PARTICIPATION.—The Maritime Administrator may establish criteria and requirements that the operators of public vessels shall meet to participate in the Sea Year program of the United States Merchant Marine Academy that addresses prevention of, and response to, sexual har-

assment, dating violence, domestic violence, sexual assault, and stalking.''.

(b) REGULATIONS.—

(1) IN GENERAL.—The Maritime Administrator may prescribe rules necessary to carry out the amendments made by this section.

(2) INTERIM RULES.—The Maritime Administrator may prescribe interim rules necessary to carry out the amendments made by this section. For this purpose, the Maritime Administrator in prescribing rules under paragraph (1) is excepted from compliance with the notice and comment requirements of section 553 of title 5, United States Code. All rules prescribed under the authority of the amendments made by this section shall remain in effect until superseded by a final rule.

(c) CONFORMING AMENDMENTS.—

(1) SEA YEAR COMPLIANCE.—Section 3514 of the National Defense Authorization Act for Fiscal Year 2017 (46 U.S.C. 51318 note) is repealed.

(2) ACCESS OF ACADEMY CADETS TO DOD SAFE OR EQUIVALENT HELPLINE.—Section 3515 of the National Defense Authorization Act for Fiscal Year 2018 (46 U.S.C. 51518 note) is amended by striking

subsection (b) and redesignating subsection (c) as subsection (b).

**SEC. 3514. REQUIREMENTS RELATING TO TRAINING OF MERCHANT MARINE ACADEMY CADETS ON CERTAIN VESSELS.**

(a) REQUIREMENTS RELATING TO PROTECTION OF CADETS FROM SEXUAL ASSAULT ONBOARD VESSELS.—

(1) IN GENERAL.—Subsection (b) of section 51307 of title 46, United States Code, is amended to read as follows:

''(b) SEA YEAR CADETS ON CERTAIN VESSELS.—

''(1) REQUIREMENTS.—The Secretary shall require an operator of a vessel participating in the Maritime Security Program under chapter 531 of this title, the Cable Security Fleet under chapter 532 of this title, or the Tanker Security Fleet under chapter 534 of this title to—

''(A) carry on each Maritime Security Program vessel, Cable Security Fleet vessel, or Tanker Security Fleet vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage; and

''(B) implement and adhere to policies, programs, criteria, and requirements established pursuant to section 51322 of this title.

''(2) FAILURE TO IMPLEMENT OR ADHERE TO REQUIREMENTS.—Failure to implement or adhere to the policies, programs, criteria, and requirements referred to in paragraph (1)(B) may, as determined by the Maritime Administrator, constitute a violation of an operating agreement entered into under chapter 531, 532, or 533 of this title and the Maritime Administrator may—

''(A) require the operator to take corrective actions; or

''(B) withhold payment due to the operator until the violation, as determined by the Maritime Administrator, has been remedied.

''(3) WITHHELD PAYMENTS.—Any payment withheld pursuant to paragraph (2)(B) may be paid, upon a determination by the Maritime Administrator that the operator is in compliance with the policies, programs, criteria, and requirements referred to in paragraph (1)(B).''.

(2) APPLICABILITY.—Paragraph (2) of subsection (b) of section 51307, as amended by paragraph (1), shall apply with respect to any failure to implement or adhere to the policies, programs, criteria, and requirements referred to in paragraph (1)(B) of such subsection that occurs on or after the

date that is one year after the date of the enactment of this Act.

(b) REQUIREMENTS FOR GOVERNMENT-OWNED VESSELS.—Subsection (c) of such section is amended—

(1) in the subsection heading by striking ''MILITARY SEALIFT COMMAND VESSELS'' and inserting ''GOVERNMENT-OWNED VESSELS'';

(2) in paragraph (1), by redesignating subparagraphs (A) and (B) as clauses (i) and (ii), respectively, and adjusting the margins accordingly;

(3) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and adjusting the margins accordingly;

(4) by inserting before subparagraph (A), as so redesignated, the following:

''(1) IN GENERAL.—Consistent with the purpose of the United States Merchant Marine Academy, as described in section 51301(b) of this chapter, vessels owned or chartered by the United States Government, including vessels of the United States Coast Guard, United States Navy, Military Sealift Command, are proper vessels for training cadets.

''(2) MILITARY SEALIFT COMMAND VESSELS.—'';

(5) in subparagraph (A), as so redesignated, by striking ''paragraph (2)'' and inserting ''subparagraph (B)''; and

(6) in subparagraph (B), as so redesignated, by striking ''paragraph (1)'' and inserting ''subparagraph (A)''.

(c) CONFORMING AMENDMENTS.—Title 46, United States Code, is further amended—

(1) in section 53106(a)(2), by inserting ''or section 51307(b)'' after ''this section'';

(2) in section 53206(a)(2), by inserting ''or section 51307(b)'' after ''this section''; and

(3) in section 53406(a), by inserting ''or section 51307(b)'' after ''this section''.

**SEC. 3515. REPORTS ON MATTERS RELATING TO THE UNITED STATES MERCHANT MARINE ACADEMY.**

(a) REPORT ON IMPLEMENTATION OF NAPA RECOMMENDATIONS.—

(1) IN GENERAL.—In accordance with paragraph (3), the Secretary of Transportation shall submit to the appropriate congressional committees reports on the status of the implementation of the recommendations specified in paragraph (4).

(2) ELEMENTS.—Each report under paragraph (1) shall include the following:

(A) A description of the status of the implementation of each recommendation specified in paragraph (4), including whether the Secretary—

(i) concurs with the recommendation;

(ii) partially concurs with the recommendation; or

(iii) does not concur with the recommendation.

(B) An explanation of—

(i) with respect to a recommendation with which the Secretary concurs, the actions the Secretary intends to take to implement such recommendation, including—

(I) any rules, regulations, policies, or other guidance that have been issued, revised, changed, or cancelled as a result of the implementation of the recommendation; and

(II) any impediments to the implementation of the recommendation;

(ii) with respect to a recommendation with which the Secretary partially concurs,

the actions the Secretary intends to take to implement the portion of such recommendation with which the Secretary concurs, including—

(I) intermediate actions, milestone dates, and the expected completion date for the implementation of the portion of the recommendation; and

(II) any rules, regulations, policies, or other guidance that are expected to be issued, revised, changed, or cancelled as a result of the implementation of the portion of the recommendation;

(iii) with respect to a recommendation with which the Secretary does not concur, an explanation of why the Secretary does not concur with such recommendation; and

(iv) any statutory changes that may be necessary—

(I) to fully implement the recommendations specified in paragraph (4) with which the Secretary concurs; or

(II) to partially implement the recommendations specified in such paragraph with which the Secretary partially concurs.

(C) A visual depiction of the status of the completion of the recommendations specified in paragraph (4).

(3) TIMING OF REPORTS.—The Secretary of Transportation shall submit an initial report under paragraph (1) not later than 90 days after the date of the enactment of this Act. Following the submittal of the initial report, the Secretary shall submit updated versions of the report not less frequently than once every 180 days until the date on which the Secretary submits to the appropriate congressional committees a certification that each recommendation specified in paragraph (4)—

(A) with which the Secretary concurs—

(i) has been fully implemented; or

(ii) cannot be fully implemented, including an explanation of why; and

(B) with which the Secretary partially concurs—

(i) has been partially implemented; or

(ii) cannot be partially implemented, including an explanation of why.

(4) RECOMMENDATIONS SPECIFIED.—The recommendations specified in this paragraph are the recommendations set forth in the report prepared by a panel of the National Academy of Public Administration pursuant to section 3513 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1979) titled ''Organizational Assessment of the U.S. Merchant Marine Academy: A Path Forward'', dated November 2021.

(b) REPORT ON IMPLEMENTATION OF POLICY RELATING TO SEXUAL HARASSMENT AND OTHER MATTERS.—Not later than one year after the date of the enactment of this Act, the Secretary of Transportation shall submit to the appropriate congressional committees a report on the status of the implementation the policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking at the United States Merchant Marine Academy as required under section 51318 of title 46, United States Code.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ''appropriate congressional committees'' means—

(1) the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate; and

(2) the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives.

# Subtitle C—Vessels

**SEC. 3521. WAIVER OF NAVIGATION AND VESSEL-INSPECTION LAWS.**

Section 501 of title 46, United States Code, is amended—

(1) in subsection (b)(1) by inserting ''on a vessel specific basis'' after ''those laws''; and

(2) in subsection (c)(1)—

(A) by inserting ''and the individual requesting such waiver (if not the owner or operator of the vessel)'' before ''shall submit'';

(B) in subparagraph (C) by striking ''and'';

(C) by redesignating subparagraphs (B), (C), and (D), as subparagraphs (C), (D), and (G), respectively;

(D) by inserting after subparagraph (A) the following:

''(B) the name of the owner and operator of the vessel;''; and

(E) by inserting after subparagraph (D), as so redesignated, the following:

''(E) a description of the cargo carried;

''(F) an explanation as to why the waiver is necessary in the interest of national defense; and''.

**SEC. 3522. CERTIFICATES OF NUMBERS FOR UNDOCUMENTED VESSELS.**

Section 12304(a) of title 46, United States Code, is amended—

(1) by striking ''shall be pocketsized,''; and

(2) by inserting ''in hard copy or digital form. Any certificate issued in hard copy under this section shall be pocketsized. The certificate shall be'' after ''and may be''.

**SEC. 3523. RECAPITALIZATION OF NATIONAL DEFENSE RESERVE FLEET.**

(a) IN GENERAL.—The Secretary of Transportation, in consultation with the Chief of Naval Operations and the Commandant of the Coast Guard, shall direct the Maritime Administrator to carry out a program under which the Administrator—

(1) shall complete the design of a roll-on, roll-off cargo vessel for the National Defense Reserve Fleet to allow for the construction of such vessel to begin in fiscal year 2024; and

(2) subject to the availability of appropriations, shall have an entity enter into a contract for the construction of not more than ten such vessels in accordance with this section.

(b) CONSTRUCTION AND DOCUMENTATION REQUIREMENTS.—A vessel constructed pursuant to this section shall meet the requirements for and be issued a certificate of documentation and a coastwise endorsement under chapter 121 of title 46, United States Code.

(c) DESIGN STANDARDS AND CONSTRUCTION PRACTICES.—Subject to subsection (b), a vessel constructed pursuant to this section shall be constructed using commercial design standards and commercial construction practices that are consistent with the best interests of the Federal Government.

(d) CONSULTATION WITH OTHER FEDERAL ENTITIES.—The Maritime Administrator may consult and coordinate with the Secretary of the Navy regarding the vessel described in subsection (a) and activities associated with such vessel.

(e) CONTRACTING.—The Maritime Administrator shall provide for an entity other than the Maritime Administration to contract for the construction of the vessel described in subsection (a).

(f) LIMITATION ON USE OF FUNDS FOR USED VESSELS.—Amounts authorized to be appropriated by this or any other Act for use by the Maritime Administration to carry out this section may not be used for the procurement of any used vessel.

(g) BUY AMERICA REQUIREMENT.—Section 4864 of title 10, United States Code, shall apply to all components of a vessel constructed under this section.

**SEC. 3524. CARGOES PROCURED, FURNISHED, OR FINANCED BY THE UNITED STATES GOVERNMENT.**

(a) IN GENERAL.—Section 55305 of title 46, United States Code, is amended—

(1) by striking subsection (a);

(2) by redesignating subsection (b) as subsection (a);

(3) in subsection (c)—

(A) by striking ''The President'' and inserting the following:

''(1) IN GENERAL.—The President''; and

(B) by adding at the end the following:

''(2) SUBMISSION TO CONGRESS.—At least once each fiscal year, the President or the Secretary of Defense, as applicable, shall submit to the appropriate congressional committees, in writing, a notice of any waiver granted under this subsection and the reasons for granting such waiver.'';

(4) by redesignating subsections (c) through (e) as subsections (d) through (f), respectively;

(5) by inserting after subsection (a) the following:

''(b) ELIGIBLE VESSELS.—To be eligible to carry cargo under this section, a privately-owned commercial vessel—

''(1) shall be documented under the laws of the United States for at least 3 years; or

''(2) may be documented under the laws of the United States for less than 3 years if the vessel owner signs an agreement with the Secretary providing that—

''(A) the vessel shall remain documented under the laws of the United States for at least 3 years; and

''(B) the vessel owner shall, upon request of the Secretary, agree to enroll the vessel in an Emergency Preparedness Program under chap-

ter 531 or voluntary agreement authorized under section 708 of the Defense Production Act of 1950 (50 U.S.C. 4558) and shall remain so enrolled until the vessel ceases to be documented under the laws of the United States.

''(c) VIOLATION OF AGREEMENT.—

''(1) IN GENERAL.—A vessel under an agreement described in subsection (b)(2) may be seized by and forfeited to the United States if, in violation of such agreement—

''(A) the vessel owner places the vessel under foreign registry; or

''(B) a person operates the vessel under the authority of a foreign country.

''(2) INAPPLICABILITY OF OTHER LAW.—Section 12112 of title 46, United States Code, shall not apply to the seizure and forfeiture of a vessel pursuant to paragraph (1).''; and

(6) by adding at the end the following:

''(g) AUDIT AND REPORT.—In carrying out this section, the Secretary shall annually—

''(1) audit the list of vessels that are operating under an agreement described in subsection (b)(2); and

''(2) submit to Congress a report describing—

''(A) each of the vessels operating under paragraph (2) of section 55305(b) and each agreement signed by the Secretary pursuant to such paragraph;

''(B) the results of any audit described in paragraph (1); and

''(C) any other pertinent information that the Secretary determines to be of interest to Congress.''.

(b) TECHNICAL AMENDMENT.—

(1) CHAPTER ANALYSIS.—The analysis for chapter 553 of title 46, United States Code, is amended by striking the item relating to subchapter I and inserting the following:

''SUBCHAPTER I—GOVERNMENT IMPELLED TRANSPORTATION''.

(2) CARGOES PROCURED, FURNISHED, OR FINANCED BY THE UNITED STATES GOVERNMENT.—Section 55305(d)(2)(D) of title 46, United States Code, is amended by striking ''section 25(c)(1) of the Office of Federal Procurement Policy Act (41 U.S.C. 1303(a)(1))'' and inserting ''section 1303(a)(1) of title 41, United States Code,''.

# Subtitle D—Reports and Other Matters

## SEC. 3532. NATIONAL MARITIME TRANSPORTATION REPORT AND STRATEGY.

(a) NATIONAL MARITIME TRANSPORTATION REPORT.—Not later than October 31, 2023, the Secretary of Defense shall submit to the appropriate congressional committees a national maritime transportation report. Such report shall include each of the following:

(1) An analysis of the causes for the decline in the number of vessels documented under chapter 121 of title 46, United States Code and operating in the international trade.

(2) An examination of the national security and economic requirements for the United States merchant marine during peacetime and during surge and sustained national defense sealift that addresses—

(A) whether existing United States-flag shipping, maritime labor, and shipbuilding and repair capacity is sufficient to fulfill such sealift requirements; and

(B) if such capacity is not sufficient, the capacity, including naval auxiliary ships, that would be needed during a major conflict by—

(i) the military for strategic sealift; and

(ii) the private sector to sustain the economy.

(3) An evaluation of the contracting procedures for United States Government cargo transport and a determination of whether such policies ensure sufficient access to vessels documented under chapter 121 of title 46, United States Code.

(4) A review of the objectives under section 50101(a) of title 46, United States Code, and a determination of the extent to which legislation, programs, policies, and regulations adopted since the adoption of such objectives in the Merchant Marine Act, 1936 have aligned with such objectives.

(5) A comparison between the subsidy programs of other beneficial flag programs and the existing support programs in the United States.

(b) NATIONAL MARITIME TRANSPORTATION STRATEGY.—Not later than October 31, 2024, the Secretary of Defense shall submit to the appropriate congressional committees a national maritime transportation strategy. Such strategy shall include each of the following:

(1) Recommendations to encourage the growth of shipping by United States-flag and United States-

owned vessels and the growth of the United States shipbuilding industrial base that are—

(A) sufficient for national and economic security;

(B) consistent with the objectives and policy under section 50101 of title 46, United States Code;

(C) compatible with international treaties and agreements governing maritime safety, security, and environmental protection; and

(D) compatible with rapidly evolving maritime transportation technology.

(2) Recommendations to increase the size of the United States-flagged fleet and increase the pool of United States mariners through—

(A) bolstering existing funding sources;

(B) new funding; or

(C) new programs.

(c) INDEPENDENT ENTITY PREPARATION.—The Secretary of Defense shall seek to enter into an agreement with an appropriate non-Department of Defense entity that specializes in maritime research under which such entity shall prepare the report and strategy required under this section.

(d) CONSULTATION REQUIREMENT.—In carrying out this section, the Secretary of Defense shall consult with—

(1) the Secretary of Transportation, acting through the Maritime Administrator; and

(2) the Secretary of the Department in which the Coast Guard operating, acting through the Commandant of the Coast Guard.

(e) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term ''appropriate congressional committees'' means—

(1) the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of the Representatives; and

(2) the Committee on Armed Services and the Committee on Commerce, Science and Transportation of the Senate.

# 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.—

(1) IN GENERAL.—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—

(A) except as provided in paragraph (2), 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

(B) comply with other applicable provisions of law.

(2) EXCEPTION.—Paragraph (1)(A) does not apply to a decision to commit, obligate, or expend funds on the basis of a dollar amount authorized pursuant to subsection (a) if the project, program, or activity involved—

(A) is listed in section 4201; and

(B) is identified as Community Project Funding through the inclusion of the abbreviation ''CPF'' immediately before the name of the project, program, or activity.

(c) RELATIONSHIP TO TRANSFER AND PROGRAMMING AUTHORITY.—An amount specified in the funding tables in this division may be transferred or repro-

grammed 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 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.

**SEC. 4101. PROCUREMENT**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **AIRCRAFT PROCUREMENT, ARMY** | | |
| | **FIXED WING** | | |
| 002 | MQ–1 UAV | | 350,000 |
| | Program increase—MQ–1 for Army National Guard | | [350,000] |
| 005 | SMALL UNMANNED AIRCRAFT SYSTEMS | 10,598 | 20,598 |
| | Short Range Reconnaissance acceleration | | [10,000] |
| | **ROTARY** | | |
| 007 | AH–64 APACHE BLOCK IIIA REMAN | 524,661 | 524,661 |
| 008 | AH–64 APACHE BLOCK IIIA REMAN AP | 169,218 | 169,218 |
| 010 | UH–60 BLACKHAWK M MODEL (MYP) | 650,406 | 706,806 |
| | Add 2 aircraft—combat loss replacement | | [57,400] |
| | Unjustified growth- program management administration | | [–1,000] |
| 011 | UH–60 BLACKHAWK M MODEL (MYP) AP | 68,147 | 68,147 |
| 012 | UH–60 BLACK HAWK L AND V MODELS | 178,658 | 178,658 |
| 013 | CH–47 HELICOPTER | 169,149 | 366,849 |
| | Three additional aircraft | | [197,700] |
| 014 | CH–47 HELICOPTER AP | 18,749 | 18,749 |
| | **MODIFICATION OF AIRCRAFT** | | |
| 016 | MQ–1 PAYLOAD | 57,700 | 177,700 |
| | Program increase—recapitalize 12 MQ–1 aircraft | | [120,000] |
| 018 | GRAY EAGLE MODS2 | 13,038 | 13,038 |
| 019 | MULTI SENSOR ABN RECON | 21,380 | 21,380 |
| 020 | AH–64 MODS | 85,840 | 122,849 |
| | AH–64 Link 16 modifications | | [22,009] |

**SEC. 4101. PROCUREMENT**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | Manned-unmanned teaming | | [15,000] |
| 021 | CH–47 CARGO HELICOPTER MODS (MYP) | 11,215 | 36,215 |
| | Degraded visual environment system | | [25,000] |
| 024 | EMARSS SEMA MODS | 1,591 | 1,591 |
| 026 | UTILITY HELICOPTER MODS | 21,346 | 33,346 |
| | Load stabilization systems | | [12,000] |
| 027 | NETWORK AND MISSION PLAN | 44,526 | 44,026 |
| | Unjustified growth—program management administration | | [–500] |
| 028 | COMMS, NAV SURVEILLANCE | 72,387 | 72,387 |
| 030 | AVIATION ASSURED PNT | 71,130 | 71,130 |
| 031 | GATM ROLLUP | 14,683 | 14,683 |
| | **GROUND SUPPORT AVIONICS** | | |
| 034 | AIRCRAFT SURVIVABILITY EQUIPMENT | 167,927 | 167,927 |
| 035 | SURVIVABILITY CM | 6,622 | 6,622 |
| 036 | CMWS | 107,112 | 107,112 |
| 037 | COMMON INFRARED COUNTERMEASURES (CIRCM) | 288,209 | 288,209 |
| | **OTHER SUPPORT** | | |
| 039 | COMMON GROUND EQUIPMENT | 20,823 | 20,823 |
| 040 | AIRCREW INTEGRATED SYSTEMS | 25,773 | 25,773 |
| 041 | AIR TRAFFIC CONTROL | 27,492 | 27,492 |
| 042 | LAUNCHER, 2.75 ROCKET | 1,275 | 1,275 |
| | **TOTAL AIRCRAFT PROCUREMENT, ARMY** | **2,849,655** | **3,657,264** |
| | **MISSILE PROCUREMENT, ARMY** | | |
| | **SURFACE-TO-AIR MISSILE SYSTEM** | | |
| 001 | LOWER TIER AIR AND MISSILE DEFENSE (AMD) SEN | 4,260 | 4,260 |
| 002 | LOWER TIER AIR AND MISSILE DEFENSE (AMD) SEN AP | 9,200 | 9,200 |
| 003 | M-SHORAD—PROCUREMENT | 135,747 | 410,809 |
| | Additional units—Army UPL | | [111,100] |
| | Hellfire pod replacement—Army UPL | | [55,740] |
| | Production line—Army UPL | | [108,222] |
| 004 | MSE MISSILE | 1,037,093 | 1,037,093 |
| 005 | PRECISION STRIKE MISSILE (PRSM) | 213,172 | 213,172 |
| 006 | INDIRECT FIRE PROTECTION CAPABILITY INC 2–I | 18,924 | 20,174 |
| | Force Protection Systems—Indirect Fire Protection Capability | | [1,250] |
| | **AIR-TO-SURFACE MISSILE SYSTEM** | | |
| 007 | HELLFIRE SYS SUMMARY | 111,294 | 111,294 |
| 008 | JOINT AIR-TO-GROUND MSLS (JAGM) | 216,030 | 216,030 |
| 010 | LONG-RANGE HYPERSONIC WEAPON | 249,285 | 249,285 |
| | **ANTI-TANK/ASSAULT MISSILE SYS** | | |
| 011 | JAVELIN (AAWS-M) SYSTEM SUMMARY | 162,968 | 258,868 |
| | Program increase—CLU | | [95,900] |
| 012 | TOW 2 SYSTEM SUMMARY | 105,423 | 105,423 |
| 013 | GUIDED MLRS ROCKET (GMLRS) | 785,028 | 750,028 |
| | Prior Year carryover | | [–35,000] |
| 014 | MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) | 4,354 | 4,354 |
| 015 | HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS | 155,705 | 155,705 |
| 016 | LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS | 37,937 | 112,937 |
| | Procurement of Switchblade 600 variant | | [75,000] |
| | **MODIFICATIONS** | | |
| 017 | PATRIOT MODS | 253,689 | 1,253,689 |
| | 4 Additional Fire Units to Equip 16th Patriot Battalion | | [1,000,000] |
| 020 | ITAS/TOW MODS | 5,154 | 5,154 |
| 021 | MLRS MODS | 218,359 | 208,359 |
| | Program decrease | | [–10,000] |
| 022 | HIMARS MODIFICATIONS | 20,468 | 20,468 |
| | **SPARES AND REPAIR PARTS** | | |
| 023 | SPARES AND REPAIR PARTS | 6,508 | 6,508 |
| | **SUPPORT EQUIPMENT & FACILITIES** | | |
| 024 | AIR DEFENSE TARGETS | 11,317 | 11,317 |
| | **TOTAL MISSILE PROCUREMENT, ARMY** | **3,761,915** | **5,164,127** |
| | **PROCUREMENT OF W&TCV, ARMY** | | |
| | **TRACKED COMBAT VEHICLES** | | |
| 001 | ARMORED MULTI PURPOSE VEHICLE (AMPV) | 380,677 | 780,677 |
| | Program increase | | [400,000] |
| 002 | ASSAULT BREACHER VEHICLE (ABV) | 3,852 | 3,852 |
| 003 | MOBILE PROTECTED FIREPOWER | 356,708 | 356,708 |
| | **MODIFICATION OF TRACKED COMBAT VEHICLES** | | |
| 004 | STRYKER UPGRADE | 671,271 | 891,171 |
| | Program increase modifications—Army UPL | | [219,900] |
| 005 | BRADLEY PROGRAM (MOD) | 279,531 | 335,631 |
| | Improved Bradley Acquisition Subsystem upgrade—Army UPL | | [56,100] |
| 006 | M109 FOV MODIFICATIONS | 3,028 | 3,028 |
| 007 | PALADIN INTEGRATED MANAGEMENT (PIM) | 493,003 | 653,003 |
| | Procure 40 additional sets | | [160,000] |
| 008 | IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) | 138,759 | 138,759 |
| 012 | JOINT ASSAULT BRIDGE | 36,990 | 36,990 |

**SEC. 4101. PROCUREMENT**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| 014 | ABRAMS UPGRADE PROGRAM | 656,340 | 1,289,934 |
| | Program increase modifications—Army UPL | | [108,994] |
| | Program increase upgrades—Army UPL | | [524,600] |
| | **WEAPONS & OTHER COMBAT VEHICLES** | | |
| 017 | MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S | 26,627 | 26,627 |
| 018 | MORTAR SYSTEMS | 8,516 | 8,516 |
| 019 | LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS | 48,301 | 48,301 |
| 020 | XM320 GRENADE LAUNCHER MODULE (GLM) | 11,703 | 11,703 |
| 021 | PRECISION SNIPER RIFLE | 6,436 | 6,436 |
| 024 | NEXT GENERATION SQUAD WEAPON | 221,293 | 221,293 |
| | **MOD OF WEAPONS AND OTHER COMBAT VEH** | | |
| 028 | M777 MODS | 3,374 | 3,374 |
| 029 | M4 CARBINE MODS | | 8,000 |
| | M4 Carbine Upper Receivers | | [8,000] |
| 033 | M119 MODIFICATIONS | 2,263 | 2,263 |
| | **SUPPORT EQUIPMENT & FACILITIES** | | |
| 036 | ITEMS LESS THAN $5.0M (WOCV-WTCV) | 2,138 | 2,138 |
| 037 | PRODUCTION BASE SUPPORT (WOCV-WTCV) | 225,220 | 225,220 |
| | **TOTAL PROCUREMENT OF W&TCV, ARMY** | **3,576,030** | **5,053,624** |
| | **PROCUREMENT OF AMMUNITION, ARMY** | | |
| | **SMALL/MEDIUM CAL AMMUNITION** | | |
| 001 | CTG, 5.56MM, ALL TYPES | 59,447 | 71,067 |
| | Program increase | | [11,620] |
| 002 | CTG, 7.62MM, ALL TYPES | 90,019 | 110,589 |
| | Program increase | | [20,570] |
| 003 | NEXT GENERATION SQUAD WEAPON AMMUNITION | 128,662 | 128,662 |
| 004 | CTG, HANDGUN, ALL TYPES | 317 | 317 |
| 005 | CTG, .50 CAL, ALL TYPES | 35,849 | 65,355 |
| | Program increase | | [29,506] |
| 006 | CTG, 20MM, ALL TYPES | 11,761 | 21,761 |
| | CRAM Program increase | | [10,000] |
| 007 | CTG, 25MM, ALL TYPES | 10,270 | 10,270 |
| 008 | CTG, 30MM, ALL TYPES | 143,045 | 163,045 |
| | Program increase—M-SHORAD ground vehicle programs | | [20,000] |
| 009 | CTG, 40MM, ALL TYPES | 85,213 | 85,213 |
| | **MORTAR AMMUNITION** | | |
| 010 | 60MM MORTAR, ALL TYPES | 33,338 | 33,338 |
| 011 | 81MM MORTAR, ALL TYPES | 56,577 | 56,577 |
| 012 | 120MM MORTAR, ALL TYPES | 127,168 | 127,168 |
| | **TANK AMMUNITION** | | |
| 013 | CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES | 296,943 | 293,443 |
| | 120mm MPT—Unit cost growth | | [–3,500] |
| | **ARTILLERY AMMUNITION** | | |
| 014 | ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES | 7,647 | 5,647 |
| | Artillery Cartridge unit cost growth | | [–2,000] |
| 015 | ARTILLERY PROJECTILE, 155MM, ALL TYPES | 182,455 | 172,455 |
| | Proj Arty 155mm HE RAP M1210—Early to need | | [–10,000] |
| 017 | PRECISION ARTILLERY MUNITIONS | 166,334 | 166,334 |
| 018 | ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL | 143,763 | 143,763 |
| | **MINES** | | |
| 019 | MINES & CLEARING CHARGES, ALL TYPES | 80,920 | 65,920 |
| | M58A4 Linear Demolition Charge—Program Reduction | | [–10,000] |
| | MK22 rocket—Program Reduction | | [–5,000] |
| 020 | CLOSE TERRAIN SHAPING OBSTACLE | 53,579 | 53,579 |
| | **ROCKETS** | | |
| 021 | SHOULDER LAUNCHED MUNITIONS, ALL TYPES | 18,159 | 18,159 |
| 022 | ROCKET, HYDRA 70, ALL TYPES | 171,697 | 171,697 |
| | **OTHER AMMUNITION** | | |
| 023 | CAD/PAD, ALL TYPES | 7,643 | 7,643 |
| 024 | DEMOLITION MUNITIONS, ALL TYPES | 29,796 | 29,796 |
| 025 | GRENADES, ALL TYPES | 36,251 | 36,251 |
| 026 | SIGNALS, ALL TYPES | 13,852 | 13,852 |
| 027 | SIMULATORS, ALL TYPES | 9,350 | 9,350 |
| 028 | REACTIVE ARMOR TILES | | 6,025 |
| | Additional Bradley tiles—Army UPL | | [6,025] |
| | **MISCELLANEOUS** | | |
| 029 | AMMO COMPONENTS, ALL TYPES | 3,823 | 3,823 |
| 030 | ITEMS LESS THAN $5 MILLION (AMMO) | 19,921 | 19,921 |
| 031 | AMMUNITION PECULIAR EQUIPMENT | 13,001 | 13,001 |
| 032 | FIRST DESTINATION TRANSPORTATION (AMMO) | 17,528 | 17,528 |
| 033 | CLOSEOUT LIABILITIES | 101 | 101 |
| | **PRODUCTION BASE SUPPORT** | | |
| 034 | INDUSTRIAL FACILITIES | 499,613 | 678,063 |
| | Construction of Automated Contaminated Waste Plant, Lake City AAP | | [10,000] |
| | Construction of Electrical System Upgrade Phase I, Scranton AAP | | [3,000] |
| | Construction of Erie 1—Unload Manipulator, Scranton AAP | | [700] |
| | Construction of Forge Shop – Process Smog Removal System, Scranton AAP | | [500] |

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**(In Thousands of Dollars)**

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|---|---|---|---|
| | Construction of Forge Shop—Replace Pipes (Subway Area), Scranton AAP .... | | [1,250] |
| | Construction of Industrial Sewer Modernization, Iowa AAP ..... | | [1,600] |
| | Construction of Infrastructure Repairs Phase I, Scranton AAP ..... | | [4,300] |
| | Construction of Infrastructure Repairs Phase II, Scranton AAP ..... | | [3,030] |
| | Construction of Medium Cal X-Ray Equipment & Infrastructure, Iowa AAP ... | | [2,400] |
| | Construction of Replace Internal Water/Condensate Lines, Bldgs 1, 2, & 3, Lake City AAP. | | [8,530] |
| | Construction of Small Caliber Automated Primer Design, Lake City AAP ..... | | [8,000] |
| | Construction of Storage Yard K Mod & Automation, Iowa AAP ..... | | [3,300] |
| | Construction of Ultra Violet Fire Detection System, Iowa AAP ..... | | [3,740] |
| | Construction of Upgrade Laundry Facility, Holston AAP ..... | | [5,600] |
| | Construction of Water Distribution System, Radford AAP ..... | | [25,000] |
| | Construction of Water In-take Pumps (B. 407), Radford AAP ..... | | [2,500] |
| | Urgent Safety Upgrades to LCAAP ..... | | [95,000] |
| 035 | CONVENTIONAL MUNITIONS DEMILITARIZATION ..... | 80,970 | 80,970 |
| 036 | ARMS INITIATIVE ..... | 4,039 | 4,039 |
| | **TOTAL PROCUREMENT OF AMMUNITION, ARMY** ..... | **2,639,051** | **2,884,722** |
| | **OTHER PROCUREMENT, ARMY** | | |
| | **TACTICAL VEHICLES** | | |
| 002 | SEMITRAILERS, FLATBED: ..... | 23,021 | 23,021 |
| 003 | SEMITRAILERS, TANKERS ..... | 21,869 | 21,869 |
| 004 | HI MOB MULTI-PURP WHLD VEH (HMMWV) ..... | 6,121 | 6,121 |
| 005 | GROUND MOBILITY VEHICLES (GMV) ..... | 34,316 | 47,116 |
| | Program increase ..... | | [12,800] |
| 007 | JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL ..... | 703,110 | 703,110 |
| 008 | TRUCK, DUMP, 20T (CCE) ..... | | 30,000 |
| | Program increase ..... | | [30,000] |
| 009 | FAMILY OF MEDIUM TACTICAL VEH (FMTV) ..... | 74,086 | 157,746 |
| | Program increase ..... | | [83,660] |
| 010 | FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE (C ..... | 23,772 | 23,772 |
| 011 | FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP ..... | 39,950 | 39,950 |
| 012 | FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) ..... | 96,112 | 239,612 |
| | Program increase ..... | | [143,500] |
| 013 | PLS ESP ..... | 54,674 | 54,674 |
| 016 | MODIFICATION OF IN SVC EQUIP ..... | 31,819 | 214,819 |
| | HMMWV safety upgrades ..... | | [183,000] |
| | **NON-TACTICAL VEHICLES** | | |
| 017 | PASSENGER CARRYING VEHICLES ..... | 1,286 | 1,286 |
| 018 | NONTACTICAL VEHICLES, OTHER ..... | 15,059 | 15,059 |
| | **COMM—JOINT COMMUNICATIONS** | | |
| 019 | SIGNAL MODERNIZATION PROGRAM ..... | 179,853 | 169,853 |
| | Equipment Cost Growth ..... | | [–5,000] |
| | Software Cost Growth ..... | | [–5,000] |
| 020 | TACTICAL NETWORK TECHNOLOGY MOD IN SVC ..... | 382,007 | 417,007 |
| | Program acceleration (mobile networking for three maneuver battalions) ..... | | [35,000] |
| 022 | DISASTER INCIDENT RESPONSE COMMS TERMINAL (DI ..... | 4,066 | 4,066 |
| 023 | JCSE EQUIPMENT (USRDECOM) ..... | 5,505 | 5,505 |
| | **COMM—SATELLITE COMMUNICATIONS** | | |
| 026 | DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS ..... | 107,228 | 107,228 |
| 027 | TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS ..... | 119,259 | 119,259 |
| 028 | SHF TERM ..... | 23,173 | 23,173 |
| 029 | ASSURED POSITIONING, NAVIGATION AND TIMING ..... | 184,911 | 204,911 |
| | MAPS—Army UPL ..... | | [20,000] |
| 030 | EHF SATELLITE COMMUNICATION ..... | 5,853 | 5,853 |
| 031 | SMART-T (SPACE) ..... | 4,916 | 4,916 |
| 032 | GLOBAL BRDCST SVC—GBS ..... | 3,179 | 3,179 |
| | **COMM—C3 SYSTEM** | | |
| 034 | COE TACTICAL SERVER INFRASTRUCTURE (TSI) ..... | 94,287 | 87,287 |
| | Unjustified cost growth ..... | | [–7,000] |
| | **COMM—COMBAT COMMUNICATIONS** | | |
| 035 | HANDHELD MANPACK SMALL FORM FIT (HMS) ..... | 728,366 | 728,366 |
| 037 | ARMY LINK 16 SYSTEMS ..... | 47,581 | 47,581 |
| 039 | UNIFIED COMMAND SUITE ..... | 20,178 | 20,178 |
| 040 | COTS COMMUNICATIONS EQUIPMENT ..... | 320,595 | 320,595 |
| 041 | FAMILY OF MED COMM FOR COMBAT CASUALTY CARE ..... | 7,621 | 7,621 |
| 042 | ARMY COMMUNICATIONS & ELECTRONICS ..... | 59,705 | 59,705 |
| | **COMM—INTELLIGENCE COMM** | | |
| 043 | CI AUTOMATION ARCHITECTURE-INTEL ..... | 13,891 | 13,891 |
| 045 | MULTI-DOMAIN INTELLIGENCE ..... | 20,637 | 20,637 |
| | **INFORMATION SECURITY** | | |
| 046 | INFORMATION SYSTEM SECURITY PROGRAM-ISSP ..... | 1,019 | 1,019 |
| 047 | COMMUNICATIONS SECURITY (COMSEC) ..... | 125,692 | 125,692 |
| 049 | INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO ..... | 1,796 | 1,796 |
| 051 | BIOMETRIC ENABLING CAPABILITY (BEC) ..... | 816 | 816 |
| 052 | ARCYBER DEFENSIVE CYBER OPERATIONS ..... | 18,239 | 18,239 |
| | **COMM—LONG HAUL COMMUNICATIONS** | | |
| 054 | BASE SUPPORT COMMUNICATIONS ..... | 10,262 | 25,262 |

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|---|---|---|---|
| | CONUS land mobile radio | | [15,000] |
| | **COMM—BASE COMMUNICATIONS** | | |
| 055 | INFORMATION SYSTEMS | 116,522 | 140,522 |
| | IT Network Refresh | | [24,000] |
| 056 | EMERGENCY MANAGEMENT MODERNIZATION PROGRAM | 5,036 | 5,036 |
| 059 | INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM | 214,806 | 214,806 |
| | **ELECT EQUIP—TACT INT REL ACT (TIARA)** | | |
| 062 | TITAN | 84,821 | 0 |
| | Army requested realignment to OPA line 66 | | [–19,680] |
| | Army Requested Realignment to RDTE | | [–50,900] |
| | Funding ahead of need | | [–14,241] |
| 063 | JTT/CIBS-M | 2,352 | 2,352 |
| 064 | TERRESTRIAL LAYER SYSTEMS (TLS) | 88,915 | 88,915 |
| 066 | DCGS-A-INTEL | 76,771 | 116,451 |
| | Additional systems—Army UPL | | [20,000] |
| | Army requested realignment from OPA line 62 | | [19,680] |
| 067 | JOINT TACTICAL GROUND STATION (JTAGS)-INTEL | 349 | 349 |
| 068 | TROJAN | 20,562 | 69,282 |
| | Add 15—Army UPL | | [48,720] |
| 069 | MOD OF IN-SVC EQUIP (INTEL SPT) | 30,424 | 59,724 |
| | Prophet Enhanced ESP Kits | | [20,000] |
| | Service Tactical SIGINT upgrades—INDOPACOM UPL | | [9,300] |
| 070 | BIOMETRIC TACTICAL COLLECTION DEVICES | 2,269 | 2,269 |
| | **ELECT EQUIP—ELECTRONIC WARFARE (EW)** | | |
| 073 | AIR VIGILANCE (AV) | 5,688 | 5,688 |
| 074 | MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST | 3,060 | 3,060 |
| 076 | COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES | 19,519 | 19,519 |
| 077 | CI MODERNIZATION | 437 | 437 |
| | **ELECT EQUIP—TACTICAL SURV. (TAC SURV)** | | |
| 078 | SENTINEL MODS | 166,736 | 166,736 |
| 079 | NIGHT VISION DEVICES | 424,253 | 619,953 |
| | ENVGB program extension | | [100,000] |
| | IVAS—Army UPL | | [95,700] |
| 080 | SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF | 11,357 | 11,357 |
| 082 | FAMILY OF WEAPON SIGHTS (FWS) | 202,258 | 194,258 |
| | Program decrease | | [–8,000] |
| 083 | ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SE | 5,116 | 5,116 |
| 084 | FORWARD LOOKING INFRARED (IFLIR) | 37,914 | 37,914 |
| 085 | COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS) | 326,364 | 448,364 |
| | Coyote BLK2+ interceptors—Army UPL | | [122,000] |
| 086 | JOINT BATTLE COMMAND—PLATFORM (JBC-P) | 186,515 | 176,515 |
| | Program growth | | [–10,000] |
| 087 | JOINT EFFECTS TARGETING SYSTEM (JETS) | 10,304 | 10,304 |
| 088 | COMPUTER BALLISTICS: LHMBC XM32 | 3,038 | 3,038 |
| 089 | MORTAR FIRE CONTROL SYSTEM | 4,879 | 4,879 |
| 090 | MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS | 4,370 | 4,370 |
| 091 | COUNTERFIRE RADARS | 162,208 | 162,208 |
| | **ELECT EQUIP—TACTICAL C2 SYSTEMS** | | |
| 092 | ARMY COMMAND POST INTEGRATED INFRASTRUCTURE ( | 60,455 | 60,455 |
| 093 | FIRE SUPPORT C2 FAMILY | 9,676 | 9,676 |
| 094 | AIR & MSL DEFENSE PLANNING & CONTROL SYS | 72,619 | 72,619 |
| 095 | LAMD BATTLE COMMAND SYSTEM | 438,967 | 438,967 |
| 096 | LIFE CYCLE SOFTWARE SUPPORT (LCSS) | 4,586 | 4,586 |
| 097 | NETWORK MANAGEMENT INITIALIZATION AND SERVICE | 37,199 | 37,199 |
| 098 | GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A) | 4,102 | 4,102 |
| 099 | INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP | 6,926 | 6,926 |
| 101 | MOD OF IN-SVC EQUIPMENT (ENFIRE) | 4,076 | 15,076 |
| | GPS laser leveling system | | [11,000] |
| | **ELECT EQUIP—AUTOMATION** | | |
| 102 | ARMY TRAINING MODERNIZATION | 8,033 | 8,033 |
| 103 | AUTOMATED DATA PROCESSING EQUIP | 96,554 | 106,554 |
| | AFRICOM Enterprise C2 Network Resiliency | | [10,000] |
| 104 | ACCESSIONS INFORMATION ENVIRONMENT (AIE) | 43,767 | 33,767 |
| | Insufficient justification | | [–10,000] |
| 105 | GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM | 97 | 97 |
| 106 | HIGH PERF COMPUTING MOD PGM (HPCMP) | 73,655 | 73,655 |
| 107 | CONTRACT WRITING SYSTEM | 17,701 | 17,701 |
| 108 | CSS COMMUNICATIONS | 88,141 | 88,141 |
| | **ELECT EQUIP—SUPPORT** | | |
| 111 | BCT EMERGING TECHNOLOGIES | 12,853 | 12,853 |
| | **CLASSIFIED PROGRAMS** | | |
| 111A | CLASSIFIED PROGRAMS | 1,596 | 1,596 |
| | **CHEMICAL DEFENSIVE EQUIPMENT** | | |
| 113 | BASE DEFENSE SYSTEMS (BDS) | 47,960 | 47,960 |
| 114 | CBRN DEFENSE | 56,129 | 56,129 |
| | **BRIDGING EQUIPMENT** | | |
| 116 | TACTICAL BRIDGING | 13,785 | 13,785 |
| 118 | BRIDGE SUPPLEMENTAL SET | 6,774 | 6,774 |

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|---|---|---|---|
| 119 | COMMON BRIDGE TRANSPORTER (CBT) RECAP | 10,379 | 10,379 |
| | **ENGINEER (NON-CONSTRUCTION) EQUIPMENT** | | |
| 124 | ROBOTICS AND APPLIQUE SYSTEMS | 52,340 | 37,340 |
| | SMETS program delay | | [–15,000] |
| | **COMBAT SERVICE SUPPORT EQUIPMENT** | | |
| 127 | HEATERS AND ECU'S | 7,672 | 7,672 |
| 129 | PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) | 4,691 | 4,691 |
| 130 | GROUND SOLDIER SYSTEM | 124,953 | 124,953 |
| 131 | MOBILE SOLDIER POWER | 15,933 | 15,933 |
| 132 | FORCE PROVIDER | | 58,000 |
| | Program increase | | [58,000] |
| 134 | CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM | 42,444 | 42,444 |
| 136 | ITEMS LESS THAN $5M (ENG SPT) | 4,155 | 4,155 |
| | **PETROLEUM EQUIPMENT** | | |
| 137 | QUALITY SURVEILLANCE EQUIPMENT | 2,845 | 2,845 |
| 138 | DISTRIBUTION SYSTEMS, PETROLEUM & WATER | 26,433 | 45,733 |
| | Modular Fuel System—Tank Rack Module - Army UPL | | [19,300] |
| | **MEDICAL EQUIPMENT** | | |
| 139 | COMBAT SUPPORT MEDICAL | 75,606 | 75,606 |
| | **MAINTENANCE EQUIPMENT** | | |
| 140 | MOBILE MAINTENANCE EQUIPMENT SYSTEMS | 3,936 | 3,936 |
| | **CONSTRUCTION EQUIPMENT** | | |
| 147 | ALL TERRAIN CRANES | 31,341 | 31,341 |
| 148 | HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) | | 18,300 |
| | Program increase | | [18,300] |
| 149 | FAMILY OF DIVER SUPPORT EQUIPMENT | 3,256 | 3,256 |
| 150 | CONST EQUIP ESP | 9,104 | 9,104 |
| | **RAIL FLOAT CONTAINERIZATION EQUIPMENT** | | |
| 151 | ARMY WATERCRAFT ESP | 47,889 | 47,889 |
| 152 | MANEUVER SUPPORT VESSEL (MSV) | 104,676 | 104,676 |
| 153 | ITEMS LESS THAN $5.0M (FLOAT/RAIL) | 10,131 | 10,131 |
| | **GENERATORS** | | |
| 154 | GENERATORS AND ASSOCIATED EQUIP | 54,400 | 54,400 |
| 155 | TACTICAL ELECTRIC POWER RECAPITALIZATION | 8,293 | 8,293 |
| | **MATERIAL HANDLING EQUIPMENT** | | |
| 156 | FAMILY OF FORKLIFTS | 8,819 | 8,819 |
| | **TRAINING EQUIPMENT** | | |
| 157 | COMBAT TRAINING CENTERS SUPPORT | 48,046 | 48,046 |
| 158 | TRAINING DEVICES, NONSYSTEM | 201,966 | 194,966 |
| | Program decrease | | [–7,000] |
| 159 | SYNTHETIC TRAINING ENVIRONMENT (STE) | 255,670 | 295,670 |
| | One World Terrain (STE-OWT)—Army UPL | | [40,000] |
| 160 | GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING | 9,546 | 9,546 |
| | **TEST MEASURE AND DIG EQUIPMENT (TMD)** | | |
| 162 | INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) | 36,514 | 36,514 |
| 164 | TEST EQUIPMENT MODERNIZATION (TEMOD) | 32,734 | 32,734 |
| | **OTHER SUPPORT EQUIPMENT** | | |
| 166 | PHYSICAL SECURITY SYSTEMS (OPA3) | 102,556 | 110,706 |
| | Force Protection Systems—Physical Security Systems | | [14,150] |
| | Program decrease | | [–6,000] |
| 167 | BASE LEVEL COMMON EQUIPMENT | 31,417 | 31,417 |
| 168 | MODIFICATION OF IN-SVC EQUIPMENT (OPA–3) | 24,047 | 24,047 |
| 169 | BUILDING, PRE-FAB, RELOCATABLE | 32,151 | 32,151 |
| 170 | SPECIAL EQUIPMENT FOR TEST AND EVALUATION | 84,779 | 80,779 |
| | Program decrease | | [–4,000] |
| | **OPA2** | | |
| 172 | INITIAL SPARES—C&E | 10,463 | 10,463 |
| | **TOTAL OTHER PROCUREMENT, ARMY** | **8,457,509** | **9,448,798** |
| | **AIRCRAFT PROCUREMENT, NAVY** | | |
| | **COMBAT AIRCRAFT** | | |
| 001 | F/A–18E/F (FIGHTER) HORNET | 90,865 | 737,065 |
| | 8 aircraft—USNR | | [666,000] |
| | Program decrease | | [–19,800] |
| 002 | JOINT STRIKE FIGHTER CV | 1,663,515 | 1,704,115 |
| | TR–3 Organic Depot Standup | | [40,600] |
| 003 | JOINT STRIKE FIGHTER CV AP | 387,596 | 387,596 |
| 004 | JSF STOVL | 1,909,635 | 1,950,235 |
| | TR–3 Organic Depot Standup | | [40,600] |
| 005 | JSF STOVL AP | 200,118 | 200,118 |
| 006 | CH–53K (HEAVY LIFT) | 1,669,986 | 1,913,986 |
| | Add 2 aircraft | | [250,000] |
| | Unjustified cost growth—Other ILS | | [–2,000] |
| | Unjustified cost growth—Pubs/ Tech data | | [–4,000] |
| 007 | CH–53K (HEAVY LIFT) AP | 357,824 | 357,824 |
| 008 | V–22 (MEDIUM LIFT) | 31,795 | 243,795 |
| | Unit quantity increase—2 aircraft | | [212,000] |
| 011 | P–8A POSEIDON | 41,521 | 31,521 |

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| | Program decrease | | [–10,000] |
| 012 | E–2D ADV HAWKEYE | 842,401 | 1,242,301 |
| | 2 additional E–2D aircraft—Navy UPL | | [399,900] |
| | **TRAINER AIRCRAFT** | | |
| 014 | MULTI-ENGINE TRAINING SYSTEM (METS) | 123,217 | 123,217 |
| 015 | ADVANCED HELICOPTER TRAINING SYSTEM | 119,816 | 119,816 |
| | **OTHER AIRCRAFT** | | |
| 016 | KC–130J | 439,501 | 1,138,601 |
| | 2 additional USMC C–130 aircraft—USMC UPL | | [252,900] |
| | 3 additional Navy C–130 aircraft—Navy UPL | | [446,200] |
| 017 | KC–130J AP | 29,122 | 44,522 |
| | Advanced Procurement for USMC aircraft—USMC UPL | | [15,400] |
| 019 | MQ–4 TRITON | 587,820 | 567,820 |
| | Program decrease | | [–20,000] |
| 020 | MQ–4 TRITON AP | 75,235 | 75,235 |
| 021 | MQ–8 UAV | | 21,000 |
| | Costs associated with restoring 5 LCS | | [21,000] |
| 022 | STUASL0 UAV | 2,703 | 2,703 |
| 023 | MQ–25 | 696,713 | 696,713 |
| 024 | MQ–25 AP | 51,463 | 51,463 |
| 025 | MARINE GROUP 5 UAS | 103,882 | 93,882 |
| | Program decrease | | [–10,000] |
| | **MODIFICATION OF AIRCRAFT** | | |
| 027 | F–18 A-D UNIQUE | 141,514 | 141,514 |
| 028 | F–18E/F AND EA–18G MODERNIZATION AND SUSTAINM | 572,681 | 572,681 |
| 029 | MARINE GROUP 5 UAS SERIES | 86,116 | 86,116 |
| 030 | AEA SYSTEMS | 25,058 | 25,058 |
| 031 | AV–8 SERIES | 26,657 | 26,657 |
| 032 | INFRARED SEARCH AND TRACK (IRST) | 144,699 | 144,699 |
| 033 | ADVERSARY | 105,188 | 105,188 |
| 034 | F–18 SERIES | 480,663 | 480,663 |
| 035 | H–53 SERIES | 40,151 | 40,151 |
| 036 | MH–60 SERIES | 126,238 | 126,238 |
| 037 | H–1 SERIES | 122,498 | 135,798 |
| | H–1 Digital Interoperability (DI) Link–16 | | [13,300] |
| 038 | EP–3 SERIES | 8,492 | 8,492 |
| 039 | E–2 SERIES | 188,897 | 188,897 |
| 040 | TRAINER A/C SERIES | 9,568 | 9,568 |
| 042 | C–130 SERIES | 132,170 | 132,170 |
| 043 | FEWSG | 695 | 695 |
| 044 | CARGO/TRANSPORT A/C SERIES | 10,902 | 10,902 |
| 045 | E–6 SERIES | 129,049 | 129,049 |
| 046 | EXECUTIVE HELICOPTERS SERIES | 55,265 | 55,265 |
| 047 | T–45 SERIES | 201,670 | 201,670 |
| 048 | POWER PLANT CHANGES | 24,685 | 24,685 |
| 049 | JPATS SERIES | 19,780 | 19,780 |
| 050 | AVIATION LIFE SUPPORT MODS | 1,143 | 1,143 |
| 051 | COMMON ECM EQUIPMENT | 129,722 | 129,722 |
| 052 | COMMON AVIONICS CHANGES | 136,883 | 136,883 |
| 053 | COMMON DEFENSIVE WEAPON SYSTEM | 6,373 | 6,373 |
| 054 | ID SYSTEMS | 3,828 | 3,828 |
| 055 | P–8 SERIES | 249,342 | 310,042 |
| | 2 additional kits for P–8 increment 3—Navy UPL | | [60,700] |
| 056 | MAGTF EW FOR AVIATION | 24,684 | 24,684 |
| 057 | MQ–8 SERIES | 9,846 | 17,146 |
| | Costs associated with restoring 5 LCS | | [7,300] |
| 058 | V–22 (TILT/ROTOR ACFT) OSPREY | 207,621 | 290,121 |
| | V–22 Nacelle Improvement | | [82,500] |
| 059 | NEXT GENERATION JAMMER (NGJ) | 401,563 | 468,563 |
| | Program increase—2 shipsets - Navy UPL | | [67,000] |
| 060 | F–35 STOVL SERIES | 216,356 | 216,356 |
| 061 | F–35 CV SERIES | 208,336 | 208,336 |
| 062 | QRC | 47,864 | 47,864 |
| 063 | MQ–4 SERIES | 94,738 | 94,738 |
| 064 | RQ–21 SERIES | 6,576 | 6,576 |
| | **AIRCRAFT SPARES AND REPAIR PARTS** | | |
| 068 | SPARES AND REPAIR PARTS | 1,872,417 | 2,071,365 |
| | Costs associated with restoring 5 LCS | | [1,200] |
| | F–35B Engine/Lift System—USMC UPL | | [117,000] |
| | MH–60R spares | | [23,143] |
| | MH–60S spares | | [7,605] |
| | Various systems—Navy UPL | | [50,000] |
| | **AIRCRAFT SUPPORT EQUIP & FACILITIES** | | |
| 069 | COMMON GROUND EQUIPMENT | 542,214 | 542,214 |
| 070 | AIRCRAFT INDUSTRIAL FACILITIES | 101,559 | 101,559 |
| 071 | WAR CONSUMABLES | 40,316 | 40,316 |
| 072 | OTHER PRODUCTION CHARGES | 46,403 | 46,403 |
| 073 | SPECIAL SUPPORT EQUIPMENT | 423,280 | 423,280 |

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| | **TOTAL AIRCRAFT PROCUREMENT, NAVY** | **16,848,428** | **19,556,976** |
| | **WEAPONS PROCUREMENT, NAVY** | | |
| | **MODIFICATION OF MISSILES** | | |
| 001 | TRIDENT II MODS | 1,125,164 | 1,125,164 |
| | **SUPPORT EQUIPMENT & FACILITIES** | | |
| 002 | MISSILE INDUSTRIAL FACILITIES | 7,767 | 7,767 |
| | **STRATEGIC MISSILES** | | |
| 003 | TOMAHAWK | 160,190 | 403,790 |
| | Expeditionary VLS Reload System—Navy UPL | | [1,600] |
| | Unit quantity increase | | [242,000] |
| | **TACTICAL MISSILES** | | |
| 004 | AMRAAM | 335,900 | 335,900 |
| 005 | SIDEWINDER | 63,288 | 89,188 |
| | Additional missiles—Navy UPL | | [25,900] |
| 006 | STANDARD MISSILE | 489,123 | 489,123 |
| 008 | JASSM | 58,481 | 58,481 |
| 009 | SMALL DIAMETER BOMB II | 108,317 | 108,317 |
| 010 | RAM | 92,131 | 92,131 |
| 011 | JOINT AIR GROUND MISSILE (JAGM) | 78,395 | 78,395 |
| 012 | HELLFIRE | 6,603 | 6,603 |
| 013 | AERIAL TARGETS | 183,222 | 183,222 |
| 014 | DRONES AND DECOYS | 62,930 | 62,930 |
| 015 | OTHER MISSILE SUPPORT | 3,524 | 3,524 |
| 016 | LRASM | 226,022 | 259,122 |
| | Additional missiles—Navy UPL | | [33,100] |
| 017 | NAVAL STRIKE MISSILE (NSM) | 59,034 | 59,034 |
| | **MODIFICATION OF MISSILES** | | |
| 018 | TOMAHAWK MODS | 435,308 | 435,308 |
| 019 | ESSM | 282,035 | 282,035 |
| 020 | AARGM | 131,275 | 131,275 |
| 021 | STANDARD MISSILES MODS | 71,198 | 71,198 |
| | **SUPPORT EQUIPMENT & FACILITIES** | | |
| 022 | WEAPONS INDUSTRIAL FACILITIES | 1,976 | 1,976 |
| | **ORDNANCE SUPPORT EQUIPMENT** | | |
| 025 | ORDNANCE SUPPORT EQUIPMENT | 40,793 | 40,793 |
| | **TORPEDOES AND RELATED EQUIP** | | |
| 026 | SSTD | 3,789 | 3,789 |
| 027 | MK–48 TORPEDO | 151,128 | 200,128 |
| | MK 48 Heavyweight Torpedo Procurement—Navy UPL | | [49,000] |
| 028 | ASW TARGETS | 14,403 | 14,403 |
| | **MOD OF TORPEDOES AND RELATED EQUIP** | | |
| 029 | MK–54 TORPEDO MODS | 106,772 | 126,772 |
| | Program increase | | [20,000] |
| 030 | MK–48 TORPEDO ADCAP MODS | 18,502 | 18,502 |
| 031 | MARITIME MINES | 9,282 | 9,282 |
| | **SUPPORT EQUIPMENT** | | |
| 032 | TORPEDO SUPPORT EQUIPMENT | 87,044 | 87,044 |
| 033 | ASW RANGE SUPPORT | 3,965 | 3,965 |
| | **DESTINATION TRANSPORTATION** | | |
| 034 | FIRST DESTINATION TRANSPORTATION | 5,315 | 5,315 |
| | **GUNS AND GUN MOUNTS** | | |
| 035 | SMALL ARMS AND WEAPONS | 13,859 | 13,859 |
| | **MODIFICATION OF GUNS AND GUN MOUNTS** | | |
| 036 | CIWS MODS | 2,655 | 2,655 |
| 037 | COAST GUARD WEAPONS | 34,259 | 34,259 |
| 038 | GUN MOUNT MODS | 81,725 | 81,725 |
| 039 | LCS MODULE WEAPONS | 4,580 | 4,580 |
| 040 | AIRBORNE MINE NEUTRALIZATION SYSTEMS | 8,710 | 8,710 |
| | **SPARES AND REPAIR PARTS** | | |
| 042 | SPARES AND REPAIR PARTS | 170,041 | 170,041 |
| | **TOTAL WEAPONS PROCUREMENT, NAVY** | **4,738,705** | **5,110,305** |
| | **PROCUREMENT OF AMMO, NAVY & MC** | | |
| | **NAVY AMMUNITION** | | |
| 001 | GENERAL PURPOSE BOMBS | 47,198 | 47,198 |
| 002 | JDAM | 76,688 | 76,688 |
| 003 | AIRBORNE ROCKETS, ALL TYPES | 70,005 | 70,005 |
| 004 | MACHINE GUN AMMUNITION | 20,586 | 20,586 |
| 005 | PRACTICE BOMBS | 51,109 | 51,109 |
| 006 | CARTRIDGES & CART ACTUATED DEVICES | 72,534 | 72,534 |
| 007 | AIR EXPENDABLE COUNTERMEASURES | 114,475 | 114,475 |
| 008 | JATOS | 7,096 | 7,096 |
| 009 | 5 INCH/54 GUN AMMUNITION | 30,018 | 30,018 |
| 010 | INTERMEDIATE CALIBER GUN AMMUNITION | 40,089 | 40,089 |
| 011 | OTHER SHIP GUN AMMUNITION | 42,707 | 42,707 |
| 012 | SMALL ARMS & LANDING PARTY AMMO | 49,023 | 49,023 |
| 013 | PYROTECHNIC AND DEMOLITION | 9,480 | 9,480 |

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| 014 | AMMUNITION LESS THAN $5 MILLION | 1,622 | 1,622 |
| | **MARINE CORPS AMMUNITION** | | |
| 015 | MORTARS | 71,214 | 71,214 |
| 016 | DIRECT SUPPORT MUNITIONS | 65,169 | 65,169 |
| 017 | INFANTRY WEAPONS AMMUNITION | 225,271 | 225,271 |
| 018 | COMBAT SUPPORT MUNITIONS | 19,691 | 19,691 |
| 019 | AMMO MODERNIZATION | 17,327 | 17,327 |
| 020 | ARTILLERY MUNITIONS | 15,514 | 15,514 |
| 021 | ITEMS LESS THAN $5 MILLION | 5,476 | 5,476 |
| | **TOTAL PROCUREMENT OF AMMO, NAVY & MC** | **1,052,292** | **1,052,292** |
| | **SHIPBUILDING AND CONVERSION, NAVY** | | |
| | **FLEET BALLISTIC MISSILE SHIPS** | | |
| 001 | OHIO REPLACEMENT SUBMARINE | 3,079,223 | 3,079,223 |
| 002 | OHIO REPLACEMENT SUBMARINE AP | 2,778,553 | 2,778,553 |
| | **OTHER WARSHIPS** | | |
| 003 | CARRIER REPLACEMENT PROGRAM | 1,481,530 | 1,466,530 |
| | Program decrease | | [–15,000] |
| 004 | CVN–81 | 1,052,024 | 1,037,024 |
| | Program decrease | | [–15,000] |
| 005 | VIRGINIA CLASS SUBMARINE | 4,534,184 | 4,534,184 |
| 006 | VIRGINIA CLASS SUBMARINE AP | 2,025,651 | 2,025,651 |
| 008 | CVN REFUELING OVERHAULS AP | 618,295 | 618,295 |
| 009 | DDG 1000 | 72,976 | 72,976 |
| 010 | DDG–51 | 4,376,537 | 5,814,806 |
| | Large Surface Combatant Shipyard Infrastructure | | [250,000] |
| | One additional ship | | [1,188,269] |
| 011 | DDG–51 AP | 618,352 | 748,352 |
| | Third DDG in FY 2024 | | [130,000] |
| 013 | FFG-FRIGATE | 1,085,224 | 2,082,473 |
| | One additional ship | | [923,849] |
| | Wholeness for FFG–62 Procurement—Navy UPL | | [73,400] |
| 014 | FFG-FRIGATE AP | 74,949 | 74,949 |
| | **AMPHIBIOUS SHIPS** | | |
| 015 | LPD FLIGHT II | 1,673,000 | 1,673,000 |
| 016 | LPD FLIGHT II AP | | 250,000 |
| | LPD–33 Advanced Procurement | | [250,000] |
| 020 | LHA REPLACEMENT | 1,085,470 | 1,374,470 |
| | LHA 10 advance procurement | | [289,000] |
| 021 | EXPEDITIONARY FAST TRANSPORT (EPF) | | 695,000 |
| | EMS | | [695,000] |
| | **AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST** | | |
| 022 | TAO FLEET OILER | 794,719 | 1,540,719 |
| | One additional ship | | [746,000] |
| 024 | TOWING, SALVAGE, AND RESCUE SHIP (ATS) | 95,915 | 95,915 |
| 027 | OUTFITTING | 707,412 | 707,412 |
| 028 | SHIP TO SHORE CONNECTOR | 190,433 | 391,838 |
| | Unit quantity increase | | [201,405] |
| 029 | SERVICE CRAFT | 68,274 | 68,274 |
| 030 | LCAC SLEP | 36,301 | 36,301 |
| 031 | AUXILIARY VESSELS (USED SEALIFT) | 140,686 | 140,686 |
| 032 | COMPLETION OF PY SHIPBUILDING PROGRAMS | 1,328,146 | 1,373,146 |
| | CVN 73 RCOH Cost-to-Complete—Navy UPL | | [45,000] |
| | **TOTAL SHIPBUILDING AND CONVERSION, NAVY** | **27,917,854** | **32,679,777** |
| | **OTHER PROCUREMENT, NAVY** | | |
| | **SHIP PROPULSION EQUIPMENT** | | |
| 001 | SURFACE POWER EQUIPMENT | 46,478 | 46,478 |
| | **GENERATORS** | | |
| 002 | SURFACE COMBATANT HM&E | 84,615 | 84,615 |
| | **NAVIGATION EQUIPMENT** | | |
| 003 | OTHER NAVIGATION EQUIPMENT | 98,079 | 78,079 |
| | Program decrease | | [–20,000] |
| | **OTHER SHIPBOARD EQUIPMENT** | | |
| 004 | SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG | 266,300 | 226,300 |
| | Unjustified growth | | [–40,000] |
| 005 | DDG MOD | 770,341 | 770,341 |
| 006 | FIREFIGHTING EQUIPMENT | 19,687 | 19,687 |
| 007 | COMMAND AND CONTROL SWITCHBOARD | 2,406 | 2,406 |
| 008 | LHA/LHD MIDLIFE | 38,200 | 53,700 |
| | LHD and LHA Class Electric Plant Wholeness—Navy UPL | | [15,500] |
| 009 | LCC 19/20 EXTENDED SERVICE LIFE PROGRAM | 20,028 | 15,028 |
| | Program decrease | | [–5,000] |
| 010 | POLLUTION CONTROL EQUIPMENT | 17,682 | 17,682 |
| 011 | SUBMARINE SUPPORT EQUIPMENT | 117,799 | 117,799 |
| 012 | VIRGINIA CLASS SUPPORT EQUIPMENT | 32,300 | 32,300 |
| 013 | LCS CLASS SUPPORT EQUIPMENT | 15,238 | 10,238 |
| | Unjustified growth | | [–5,000] |

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| 014 | SUBMARINE BATTERIES | 24,137 | 24,137 |
| 015 | LPD CLASS SUPPORT EQUIPMENT | 54,496 | 54,496 |
| 016 | DDG 1000 CLASS SUPPORT EQUIPMENT | 314,333 | 284,333 |
| | Program decrease | | [–30,000] |
| 017 | STRATEGIC PLATFORM SUPPORT EQUIP | 13,504 | 13,504 |
| 018 | DSSP EQUIPMENT | 3,660 | 3,660 |
| 019 | CG MODERNIZATION | 59,054 | 59,054 |
| 020 | LCAC | 17,452 | 17,452 |
| 021 | UNDERWATER EOD EQUIPMENT | 35,417 | 35,417 |
| 022 | ITEMS LESS THAN $5 MILLION | 60,812 | 60,812 |
| 023 | CHEMICAL WARFARE DETECTORS | 3,202 | 3,202 |
| | **REACTOR PLANT EQUIPMENT** | | |
| 025 | SHIP MAINTENANCE, REPAIR AND MODERNIZATION | 1,242,532 | 1,242,532 |
| 026 | REACTOR POWER UNITS | 4,690 | 4,690 |
| 027 | REACTOR COMPONENTS | 408,989 | 408,989 |
| | **OCEAN ENGINEERING** | | |
| 028 | DIVING AND SALVAGE EQUIPMENT | 11,773 | 11,773 |
| | **SMALL BOATS** | | |
| 029 | STANDARD BOATS | 57,262 | 78,730 |
| | Six additional 40-foot Patrol Boats | | [21,468] |
| | **PRODUCTION FACILITIES EQUIPMENT** | | |
| 030 | OPERATING FORCES IPE | 174,743 | 174,743 |
| | **OTHER SHIP SUPPORT** | | |
| 031 | LCS COMMON MISSION MODULES EQUIPMENT | 57,313 | 57,313 |
| 032 | LCS MCM MISSION MODULES | 94,987 | 97,187 |
| | Mine Countermeasures Mission Package Capacity and Wholeness—Navy UPL | | [2,200] |
| 033 | LCS ASW MISSION MODULES | 3,594 | 0 |
| | Program decrease | | [–3,594] |
| 034 | LCS SUW MISSION MODULES | 5,100 | 5,100 |
| 035 | LCS IN-SERVICE MODERNIZATION | 76,526 | 111,526 |
| | Costs associated with restoring 5 LCS | | [65,000] |
| | Program decrease | | [–30,000] |
| 036 | SMALL & MEDIUM UUV | 49,763 | 44,763 |
| | Unjustified growth | | [–5,000] |
| | **SHIP SONARS** | | |
| 037 | SPQ–9B RADAR | 12,063 | 12,063 |
| 038 | AN/SQQ–89 SURF ASW COMBAT SYSTEM | 141,591 | 141,591 |
| 039 | SSN ACOUSTIC EQUIPMENT | 446,653 | 446,653 |
| 040 | UNDERSEA WARFARE SUPPORT EQUIPMENT | 17,424 | 17,424 |
| | **ASW ELECTRONIC EQUIPMENT** | | |
| 041 | SUBMARINE ACOUSTIC WARFARE SYSTEM | 31,708 | 31,708 |
| 042 | SSTD | 14,325 | 14,325 |
| 043 | FIXED SURVEILLANCE SYSTEM | 266,228 | 266,228 |
| 044 | SURTASS | 25,030 | 46,130 |
| | Navy UPL | | [21,100] |
| | **ELECTRONIC WARFARE EQUIPMENT** | | |
| 045 | AN/SLQ–32 | 292,417 | 292,417 |
| | **RECONNAISSANCE EQUIPMENT** | | |
| 046 | SHIPBOARD IW EXPLOIT | 311,210 | 316,910 |
| | Counter-Command, Control, Communications, Computers and Combat Systems Intelligence, Surveillance and Reconnaissance and Targeting (C-C5ISR&T)—Navy UPL. | | [5,700] |
| 047 | AUTOMATED IDENTIFICATION SYSTEM (AIS) | 2,487 | 2,487 |
| | **OTHER SHIP ELECTRONIC EQUIPMENT** | | |
| 048 | COOPERATIVE ENGAGEMENT CAPABILITY | 34,500 | 34,500 |
| 049 | NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) | 19,038 | 19,038 |
| 050 | ATDLS | 73,675 | 73,675 |
| 051 | NAVY COMMAND AND CONTROL SYSTEM (NCCS) | 3,435 | 3,435 |
| 052 | MINESWEEPING SYSTEM REPLACEMENT | 16,336 | 16,336 |
| 054 | NAVSTAR GPS RECEIVERS (SPACE) | 30,439 | 30,439 |
| 055 | AMERICAN FORCES RADIO AND TV SERVICE | 2,724 | 2,724 |
| 056 | STRATEGIC PLATFORM SUPPORT EQUIP | 6,266 | 6,266 |
| | **AVIATION ELECTRONIC EQUIPMENT** | | |
| 057 | ASHORE ATC EQUIPMENT | 89,396 | 89,396 |
| 058 | AFLOAT ATC EQUIPMENT | 86,732 | 86,732 |
| 059 | ID SYSTEMS | 59,226 | 59,226 |
| 060 | JOINT PRECISION APPROACH AND LANDING SYSTEM ( | 8,186 | 8,186 |
| 061 | NAVAL MISSION PLANNING SYSTEMS | 26,778 | 26,778 |
| | **OTHER SHORE ELECTRONIC EQUIPMENT** | | |
| 062 | MARITIME INTEGRATED BROADCAST SYSTEM | 3,520 | 3,520 |
| 063 | TACTICAL/MOBILE C4I SYSTEMS | 31,840 | 31,840 |
| 064 | DCGS-N | 15,606 | 15,606 |
| 065 | CANES | 402,550 | 382,550 |
| | Insufficient justification | | [–40,000] |
| | Intel secure data links | | [20,000] |
| 066 | RADIAC | 9,062 | 9,062 |
| 067 | CANES-INTELL | 48,665 | 48,665 |
| 068 | GPETE | 23,479 | 23,479 |

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| 069 | MASF | 11,792 | 11,792 |
| 070 | INTEG COMBAT SYSTEM TEST FACILITY | 6,053 | 6,053 |
| 071 | EMI CONTROL INSTRUMENTATION | 4,219 | 4,219 |
| 072 | ITEMS LESS THAN $5 MILLION | 102,846 | 102,846 |
| | **SHIPBOARD COMMUNICATIONS** | | |
| 073 | SHIPBOARD TACTICAL COMMUNICATIONS | 36,941 | 36,941 |
| 074 | SHIP COMMUNICATIONS AUTOMATION | 101,691 | 101,691 |
| 075 | COMMUNICATIONS ITEMS UNDER $5M | 55,290 | 55,290 |
| | **SUBMARINE COMMUNICATIONS** | | |
| 076 | SUBMARINE BROADCAST SUPPORT | 91,150 | 91,150 |
| 077 | SUBMARINE COMMUNICATION EQUIPMENT | 74,569 | 74,569 |
| | **SATELLITE COMMUNICATIONS** | | |
| 078 | SATELLITE COMMUNICATIONS SYSTEMS | 39,827 | 39,827 |
| 079 | NAVY MULTIBAND TERMINAL (NMT) | 24,586 | 24,586 |
| | **SHORE COMMUNICATIONS** | | |
| 080 | JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) | 4,699 | 4,699 |
| | **CRYPTOGRAPHIC EQUIPMENT** | | |
| 081 | INFO SYSTEMS SECURITY PROGRAM (ISSP) | 156,034 | 156,034 |
| 082 | MIO INTEL EXPLOITATION TEAM | 1,055 | 1,055 |
| | **CRYPTOLOGIC EQUIPMENT** | | |
| 083 | CRYPTOLOGIC COMMUNICATIONS EQUIP | 18,832 | 20,332 |
| | Service Tactical SIGINT Upgrades—INDOPACOM UPL | | [1,500] |
| | **OTHER ELECTRONIC SUPPORT** | | |
| 092 | COAST GUARD EQUIPMENT | 68,556 | 68,556 |
| | **SONOBUOYS** | | |
| 094 | SONOBUOYS—ALL TYPES | 291,670 | 303,521 |
| | Program increase | | [11,851] |
| | **AIRCRAFT SUPPORT EQUIPMENT** | | |
| 095 | MINOTAUR | 5,247 | 5,247 |
| 096 | WEAPONS RANGE SUPPORT EQUIPMENT | 106,209 | 106,209 |
| 097 | AIRCRAFT SUPPORT EQUIPMENT | 275,461 | 275,461 |
| 098 | ADVANCED ARRESTING GEAR (AAG) | 22,717 | 22,717 |
| 099 | ELECTROMAGNETIC AIRCRAFT LAUNCH SYSTEM (EMALS | 18,594 | 18,594 |
| 100 | METEOROLOGICAL EQUIPMENT | 15,175 | 15,175 |
| 101 | LEGACY AIRBORNE MCM | 4,689 | 4,689 |
| 102 | LAMPS EQUIPMENT | 1,610 | 1,610 |
| 103 | AVIATION SUPPORT EQUIPMENT | 86,409 | 86,409 |
| 104 | UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL | 136,647 | 136,647 |
| | **SHIP GUN SYSTEM EQUIPMENT** | | |
| 105 | SHIP GUN SYSTEMS EQUIPMENT | 5,902 | 5,902 |
| | **SHIP MISSILE SYSTEMS EQUIPMENT** | | |
| 106 | HARPOON SUPPORT EQUIPMENT | 217 | 217 |
| 107 | SHIP MISSILE SUPPORT EQUIPMENT | 286,788 | 292,788 |
| | SPY–1 Low Noise Amplyfier | | [6,000] |
| 108 | TOMAHAWK SUPPORT EQUIPMENT | 95,856 | 95,856 |
| | **FBM SUPPORT EQUIPMENT** | | |
| 109 | STRATEGIC MISSILE SYSTEMS EQUIP | 279,430 | 279,430 |
| | **ASW SUPPORT EQUIPMENT** | | |
| 110 | SSN COMBAT CONTROL SYSTEMS | 128,874 | 128,874 |
| 111 | ASW SUPPORT EQUIPMENT | 26,920 | 35,720 |
| | Secure Autonomous Data Link for USW Portable Ranges | | [8,800] |
| | **OTHER ORDNANCE SUPPORT EQUIPMENT** | | |
| 112 | EXPLOSIVE ORDNANCE DISPOSAL EQUIP | 17,048 | 20,548 |
| | Dismounted Reconnaissance—Sets, Kits and Outfits (DR-SKO) | | [3,500] |
| 113 | ITEMS LESS THAN $5 MILLION | 5,938 | 5,938 |
| | **OTHER EXPENDABLE ORDNANCE** | | |
| 114 | ANTI-SHIP MISSILE DECOY SYSTEM | 86,264 | 86,264 |
| 115 | SUBMARINE TRAINING DEVICE MODS | 80,591 | 80,591 |
| 116 | SURFACE TRAINING EQUIPMENT | 198,695 | 198,695 |
| | **CIVIL ENGINEERING SUPPORT EQUIPMENT** | | |
| 117 | PASSENGER CARRYING VEHICLES | 4,799 | 4,799 |
| 118 | GENERAL PURPOSE TRUCKS | 2,542 | 2,542 |
| 119 | CONSTRUCTION & MAINTENANCE EQUIP | 50,619 | 61,019 |
| | GPS laser leveling system | | [9,200] |
| | VLS training equipment—Navy UPL | | [1,200] |
| 120 | FIRE FIGHTING EQUIPMENT | 16,305 | 16,305 |
| 121 | TACTICAL VEHICLES | 28,586 | 33,386 |
| | Program increase—Navy UPL | | [4,800] |
| 122 | POLLUTION CONTROL EQUIPMENT | 2,840 | 2,840 |
| 123 | ITEMS LESS THAN $5 MILLION | 64,311 | 64,311 |
| 124 | PHYSICAL SECURITY VEHICLES | 1,263 | 1,263 |
| | **SUPPLY SUPPORT EQUIPMENT** | | |
| 125 | SUPPLY EQUIPMENT | 32,338 | 32,338 |
| 126 | FIRST DESTINATION TRANSPORTATION | 6,255 | 6,255 |
| 127 | SPECIAL PURPOSE SUPPLY SYSTEMS | 613,039 | 613,039 |
| | **TRAINING DEVICES** | | |
| 128 | TRAINING SUPPORT EQUIPMENT | 1,285 | 1,285 |
| 129 | TRAINING AND EDUCATION EQUIPMENT | 44,618 | 44,618 |

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **COMMAND SUPPORT EQUIPMENT** | | |
| 130 | COMMAND SUPPORT EQUIPMENT | 55,728 | 55,728 |
| 131 | MEDICAL SUPPORT EQUIPMENT | 5,325 | 5,325 |
| 133 | NAVAL MIP SUPPORT EQUIPMENT | 6,077 | 6,077 |
| 134 | OPERATING FORCES SUPPORT EQUIPMENT | 16,252 | 16,252 |
| 135 | C4ISR EQUIPMENT | 6,497 | 6,497 |
| 136 | ENVIRONMENTAL SUPPORT EQUIPMENT | 36,592 | 36,592 |
| 137 | PHYSICAL SECURITY EQUIPMENT | 118,598 | 114,598 |
| | Program decrease | | [–4,000] |
| 138 | ENTERPRISE INFORMATION TECHNOLOGY | 29,407 | 29,407 |
| | **OTHER** | | |
| 142 | NEXT GENERATION ENTERPRISE SERVICE | 201,314 | 201,314 |
| 143 | CYBERSPACE ACTIVITIES | 5,018 | 5,018 |
| 144 | CYBER MISSION FORCES | 17,115 | 17,115 |
| | **CLASSIFIED PROGRAMS** | | |
| 144A | CLASSIFIED PROGRAMS | 17,295 | 17,295 |
| | **SPARES AND REPAIR PARTS** | | |
| 145 | SPARES AND REPAIR PARTS | 532,313 | 532,313 |
| | **TOTAL OTHER PROCUREMENT, NAVY** | **11,746,503** | **11,761,728** |
| | **PROCUREMENT, MARINE CORPS** | | |
| | **TRACKED COMBAT VEHICLES** | | |
| 001 | AAV7A1 PIP | 5,653 | 5,653 |
| 002 | AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES | 536,678 | 536,678 |
| 003 | LAV PIP | 57,099 | 57,099 |
| | **ARTILLERY AND OTHER WEAPONS** | | |
| 004 | 155MM LIGHTWEIGHT TOWED HOWITZER | 1,782 | 1,782 |
| 005 | ARTILLERY WEAPONS SYSTEM | 143,808 | 143,808 |
| 006 | WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION | 11,118 | 11,118 |
| | **GUIDED MISSILES** | | |
| 007 | TOMAHAWK | 42,958 | 42,958 |
| 008 | NAVAL STRIKE MISSILE (NSM) | 174,369 | 174,369 |
| 009 | GROUND BASED AIR DEFENSE | 173,801 | 230,601 |
| | MADIS Inc 1 fielding—USMC UPL | | [56,800] |
| 010 | ANTI-ARMOR MISSILE-JAVELIN | 18,495 | 18,495 |
| 011 | FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS) | 21,419 | 21,419 |
| 012 | ANTI-ARMOR MISSILE-TOW | 663 | 663 |
| 013 | GUIDED MLRS ROCKET (GMLRS) | 7,605 | 7,605 |
| | **COMMAND AND CONTROL SYSTEMS** | | |
| 014 | COMMON AVIATION COMMAND AND CONTROL SYSTEM (C | 30,292 | 30,292 |
| | **REPAIR AND TEST EQUIPMENT** | | |
| 015 | REPAIR AND TEST EQUIPMENT | 58,024 | 58,024 |
| | **OTHER SUPPORT (TEL)** | | |
| 016 | MODIFICATION KITS | 293 | 293 |
| | **COMMAND AND CONTROL SYSTEM (NON-TEL)** | | |
| 017 | ITEMS UNDER $5 MILLION (COMM & ELEC) | 83,345 | 83,345 |
| 018 | AIR OPERATIONS C2 SYSTEMS | 11,048 | 11,048 |
| | **RADAR + EQUIPMENT (NON-TEL)** | | |
| 019 | GROUND/AIR TASK ORIENTED RADAR (G/ATOR) | 61,943 | 441,943 |
| | Additional G/ATOR radars—USMC UPL | | [380,000] |
| | **INTELL/COMM EQUIPMENT (NON-TEL)** | | |
| 020 | GCSS-MC | 1,663 | 1,663 |
| 021 | FIRE SUPPORT SYSTEM | 48,322 | 48,322 |
| 022 | INTELLIGENCE SUPPORT EQUIPMENT | 182,894 | 177,894 |
| | Program decrease | | [–5,000] |
| 024 | UNMANNED AIR SYSTEMS (INTEL) | 47,595 | 47,595 |
| 025 | DCGS-MC | 47,998 | 47,998 |
| 026 | UAS PAYLOADS | 8,619 | 8,619 |
| | **OTHER SUPPORT (NON-TEL)** | | |
| 029 | MARINE CORPS ENTERPRISE NETWORK (MCEN) | 276,763 | 276,763 |
| 030 | COMMON COMPUTER RESOURCES | 40,096 | 40,096 |
| 031 | COMMAND POST SYSTEMS | 58,314 | 58,314 |
| 032 | RADIO SYSTEMS | 612,450 | 600,450 |
| | Program decrease | | [–12,000] |
| 033 | COMM SWITCHING & CONTROL SYSTEMS | 51,976 | 51,976 |
| 034 | COMM & ELEC INFRASTRUCTURE SUPPORT | 26,029 | 26,029 |
| 035 | CYBERSPACE ACTIVITIES | 17,759 | 17,759 |
| 036 | CYBER MISSION FORCES | 4,036 | 4,036 |
| | **CLASSIFIED PROGRAMS** | | |
| 038A | CLASSIFIED PROGRAMS | 3,884 | 3,884 |
| | **ADMINISTRATIVE VEHICLES** | | |
| 039 | COMMERCIAL CARGO VEHICLES | 35,179 | 35,179 |
| | **TACTICAL VEHICLES** | | |
| 040 | MOTOR TRANSPORT MODIFICATIONS | 17,807 | 17,807 |
| 041 | JOINT LIGHT TACTICAL VEHICLE | 222,257 | 339,657 |
| | Accelerate HMMWV replacement—USMC UPL | | [117,400] |
| 043 | TRAILERS | 2,721 | 2,721 |
| | **ENGINEER AND OTHER EQUIPMENT** | | |

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**(In Thousands of Dollars)**

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|---|---|---|---|
| 045 | TACTICAL FUEL SYSTEMS | 7,854 | 7,854 |
| 046 | POWER EQUIPMENT ASSORTED | 5,841 | 5,841 |
| 047 | AMPHIBIOUS SUPPORT EQUIPMENT | 38,120 | 38,120 |
| 048 | EOD SYSTEMS | 201,047 | 191,047 |
| | Unjustified growth—MEGFoS | | [–10,000] |
| | **MATERIALS HANDLING EQUIPMENT** | | |
| 049 | PHYSICAL SECURITY EQUIPMENT | 69,967 | 69,967 |
| | **GENERAL PROPERTY** | | |
| 050 | FIELD MEDICAL EQUIPMENT | 21,780 | 21,780 |
| 051 | TRAINING DEVICES | 86,272 | 111,272 |
| | Program increase (Force on Force Training System) | | [25,000] |
| 052 | FAMILY OF CONSTRUCTION EQUIPMENT | 27,605 | 27,605 |
| 053 | ULTRA-LIGHT TACTICAL VEHICLE (ULTV) | 15,033 | 15,033 |
| | **OTHER SUPPORT** | | |
| 054 | ITEMS LESS THAN $5 MILLION | 26,433 | 26,433 |
| | **SPARES AND REPAIR PARTS** | | |
| 055 | SPARES AND REPAIR PARTS | 34,799 | 34,799 |
| | **TOTAL PROCUREMENT, MARINE CORPS** | **3,681,506** | **4,233,706** |
| | | | |
| | **AIRCRAFT PROCUREMENT, AIR FORCE** | | |
| | **STRATEGIC OFFENSIVE** | | |
| 001 | B–21 RAIDER | 1,498,431 | 1,498,431 |
| 002 | B–21 RAIDER AP | 288,165 | 288,165 |
| | **TACTICAL FORCES** | | |
| 003 | F–35 | 3,320,757 | 3,516,957 |
| | Technical realignment | | [115,000] |
| | TR–3 Organic Depot Standup | | [81,200] |
| 004 | F–35 AP | 594,886 | 479,886 |
| | Technical realignment | | [–115,000] |
| 005 | F–15EX | 2,422,348 | 2,422,348 |
| 006 | F–15EX AP | 264,000 | 264,000 |
| | **TACTICAL AIRLIFT** | | |
| 007 | KC–46A MDAP | 2,684,503 | 2,684,503 |
| | **OTHER AIRLIFT** | | |
| 008 | C–130J | 75,293 | 75,293 |
| 009 | MC–130J | 40,351 | 40,351 |
| | **UPT TRAINERS** | | |
| 011 | ADVANCED TRAINER REPLACEMENT T-X | 10,507 | 10,507 |
| | **HELICOPTERS** | | |
| 012 | MH–139A | 156,192 | 152,492 |
| | Unjustified growth—government costs | | [–3,700] |
| 013 | COMBAT RESCUE HELICOPTER | 707,018 | 707,018 |
| | **MISSION SUPPORT AIRCRAFT** | | |
| 015 | CIVIL AIR PATROL A/C | 2,952 | 11,600 |
| | Program increase | | [8,648] |
| | **OTHER AIRCRAFT** | | |
| 016 | TARGET DRONES | 128,906 | 128,906 |
| 017 | COMPASS CALL | | 553,700 |
| | Add 4 EC–37B aircraft | | [553,700] |
| 018 | E–11 BACN/HAG | 67,260 | 66,847 |
| | Technical realignment | | [–413] |
| 019 | MQ–9 | 17,039 | 7,012 |
| | Early to need—production shutdown | | [–10,027] |
| 021 | AGILITY PRIME PROCUREMENT | 3,612 | 3,612 |
| | **STRATEGIC AIRCRAFT** | | |
| 022 | B–2A | 106,752 | 106,752 |
| 023 | B–1B | 36,313 | 38,813 |
| | Additional Pylon Purchases | | [5,000] |
| | Program decrease | | [–2,500] |
| 024 | B–52 | 127,854 | 120,908 |
| | Technical realignment | | [–6,946] |
| 025 | LARGE AIRCRAFT INFRARED COUNTERMEASURES | 25,286 | 25,286 |
| | **TACTICAL AIRCRAFT** | | |
| 026 | A–10 | 83,972 | 83,972 |
| 027 | E–11 BACN/HAG | 10,309 | 10,309 |
| 028 | F–15 | 194,379 | 194,379 |
| 029 | F–16 | 700,455 | 700,455 |
| 030 | F–22A | 764,222 | 764,222 |
| 031 | F–35 MODIFICATIONS | 414,382 | 414,382 |
| 032 | F–15 EPAW | 259,837 | 259,837 |
| 034 | KC–46A MDAP | 467 | 467 |
| | **AIRLIFT AIRCRAFT** | | |
| 035 | C–5 | 46,027 | 5,673 |
| | Program decrease | | [–10,000] |
| | Technical realignment | | [–30,354] |
| 036 | C–17A | 152,009 | 157,509 |
| | Technical realignment | | [5,500] |
| 037 | C–32A | 4,068 | 4,068 |

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| 038 | C–37A | 6,062 | 6,062 |
| | **TRAINER AIRCRAFT** | | |
| 039 | GLIDER MODS | 149 | 149 |
| 040 | T–6 | 6,215 | 6,215 |
| 041 | T–1 | 6,262 | 6,262 |
| 042 | T–38 | 111,668 | 161,168 |
| | Ejection Seat Upgrade | | [49,500] |
| | **OTHER AIRCRAFT** | | |
| 044 | U–2 MODS | 81,650 | 81,650 |
| 045 | KC–10A (ATCA) | 3,443 | 3,443 |
| 046 | C–21 | 2,024 | 2,024 |
| 047 | VC–25A MOD | 2,146 | 2,146 |
| 048 | C–40 | 2,197 | 2,197 |
| 049 | C–130 | 114,268 | 131,768 |
| | Technical realignment | | [17,500] |
| 050 | C–130J MODS | 112,299 | 112,299 |
| 051 | C–135 | 149,023 | 163,523 |
| | Program decrease | | [–5,000] |
| | Technical realignment | | [19,500] |
| 052 | COMPASS CALL | 16,630 | 346,630 |
| | Add 4 EC–37B A & B kits, spares, and installation | | [330,000] |
| 053 | RC–135 | 212,828 | 252,828 |
| | M-code compliance | | [39,400] |
| | Service Tactical SIGINT Upgrades—INDOPACOM UPL | | [600] |
| 054 | E–3 | 54,247 | 54,247 |
| 055 | E–4 | 5,973 | 5,973 |
| 056 | E–8 | 16,610 | 0 |
| | Program decrease | | [–16,610] |
| 059 | H–1 | 1,757 | 1,757 |
| 060 | H–60 | 10,820 | 10,820 |
| 061 | COMBAT RESCUE HELICOPTER MODIFICATION | 3,083 | 3,083 |
| 062 | RQ–4 MODS | 1,286 | 1,286 |
| 063 | HC/MC–130 MODIFICATIONS | 138,956 | 118,956 |
| | Technical realignment | | [–20,000] |
| 064 | OTHER AIRCRAFT | 29,029 | 70,296 |
| | Maritime Patrol Aircraft | | [28,500] |
| | Technical realignment | | [12,767] |
| 065 | MQ–9 MODS | 64,370 | 215,095 |
| | Multi-Domain Operations modernization | | [156,725] |
| | Unjustified cost—MQ–9 Upgrade | | [–6,000] |
| 066 | MQ–9 UAS PAYLOADS | | 40,000 |
| | Program increase—electronic support measure payload | | [40,000] |
| 067 | SENIOR LEADER C3, SYSTEM—AIRCRAFT | 24,784 | 24,784 |
| 068 | CV–22 MODS | 153,026 | 168,826 |
| | CV–22 Reliability Acceleration | | [15,800] |
| | **AIRCRAFT SPARES AND REPAIR PARTS** | | |
| 069 | INITIAL SPARES/REPAIR PARTS | 623,661 | 725,407 |
| | Program increase—Compass Call spare engines (4) - USAF UPL | | [94,800] |
| | Technical realignment | | [6,946] |
| | **COMMON SUPPORT EQUIPMENT** | | |
| 070 | AIRCRAFT REPLACEMENT SUPPORT EQUIP | 138,935 | 138,935 |
| | **OTHER AIRCRAFT** | | |
| | **POST PRODUCTION SUPPORT** | | |
| 063A | HC/MC–130 POST PRODUCTION SUPPORT | | 20,000 |
| | Technical realignment | | [20,000] |
| 071 | B–2A | 1,802 | 1,802 |
| 072 | B–2B | 36,325 | 36,325 |
| 073 | B–52 | 5,883 | 5,883 |
| 074 | F–15 | 2,764 | 2,764 |
| 075 | F–16 | 5,102 | 5,102 |
| 077 | MQ9 POST PROD | 7,069 | 7,069 |
| 078 | RQ–4 POST PRODUCTION CHARGES | 40,845 | 40,845 |
| | **AIRLIFT AIRCRAFT** | | |
| | **INDUSTRIAL PREPAREDNESS** | | |
| 035A | C–5 POST PRODUCTION SUPPORT | | 18,000 |
| | Technical realignment | | [18,000] |
| 079 | INDUSTRIAL RESPONSIVENESS | 19,128 | 19,128 |
| | **WAR CONSUMABLES** | | |
| 080 | WAR CONSUMABLES | 31,165 | 31,165 |
| | **OTHER PRODUCTION CHARGES** | | |
| 081 | OTHER PRODUCTION CHARGES | 1,047,300 | 1,440,300 |
| | Program decrease—early to need | | [–75,000] |
| | Program increase | | [468,000] |
| | **CLASSIFIED PROGRAMS** | | |
| 083A | CLASSIFIED PROGRAMS | 18,092 | 18,092 |
| | **TOTAL AIRCRAFT PROCUREMENT, AIR FORCE** | **18,517,428** | **20,302,964** |
| | **MISSILE PROCUREMENT, AIR FORCE** | | |

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| | **MISSILE REPLACEMENT EQUIPMENT—BALLISTIC** | | |
| 001 | MISSILE REPLACEMENT EQ-BALLISTIC | 57,476 | 57,476 |
| | **STRATEGIC** | | |
| 004 | LONG RANGE STAND-OFF WEAPON | 31,454 | 31,454 |
| | **TACTICAL** | | |
| 005 | REPLAC EQUIP & WAR CONSUMABLES | 30,510 | 30,510 |
| 006 | AGM–183A AIR-LAUNCHED RAPID RESPONSE WEAPON | 46,566 | 0 |
| | Technical realignment | | [–46,566] |
| 007 | JOINT AIR-SURFACE STANDOFF MISSILE | 784,971 | 784,971 |
| 008 | LRASM0 | 114,025 | 114,025 |
| 009 | SIDEWINDER (AIM–9X) | 111,855 | 111,855 |
| 010 | AMRAAM | 320,056 | 320,056 |
| 011 | PREDATOR HELLFIRE MISSILE | 1,040 | 1,040 |
| 012 | SMALL DIAMETER BOMB | 46,475 | 46,475 |
| 013 | SMALL DIAMETER BOMB II | 279,006 | 379,006 |
| | Program increase—Air Force UPL | | [100,000] |
| 014 | STAND-IN ATTACK WEAPON (SIAW) | 77,975 | 77,975 |
| | **INDUSTRIAL FACILITIES** | | |
| 015 | INDUSTR'L PREPAREDNS/POL PREVENTION | 868 | 868 |
| | **CLASS IV** | | |
| 018 | ICBM FUZE MOD | 99,691 | 99,691 |
| 019 | ICBM FUZE MOD AP | 37,673 | 37,673 |
| 020 | MM III MODIFICATIONS | 68,193 | 68,193 |
| 022 | AIR LAUNCH CRUISE MISSILE (ALCM) | 33,778 | 33,778 |
| | **MISSILE SPARES AND REPAIR PARTS** | | |
| 023 | MSL SPRS/REPAIR PARTS (INITIAL) | 15,354 | 15,354 |
| 024 | MSL SPRS/REPAIR PARTS (REPLEN) | 62,978 | 62,978 |
| | **SPECIAL PROGRAMS** | | |
| 028 | SPECIAL UPDATE PROGRAMS | 36,933 | 36,933 |
| | **CLASSIFIED PROGRAMS** | | |
| 028A | CLASSIFIED PROGRAMS | 705,540 | 705,540 |
| | **TOTAL MISSILE PROCUREMENT, AIR FORCE** | **2,962,417** | **3,015,851** |
| | **PROCUREMENT OF AMMUNITION, AIR FORCE** | | |
| | **ROCKETS** | | |
| 001 | ROCKETS | 22,190 | 22,190 |
| | **CARTRIDGES** | | |
| 002 | CARTRIDGES | 124,164 | 124,164 |
| | **BOMBS** | | |
| 004 | GENERAL PURPOSE BOMBS | 162,800 | 162,800 |
| 005 | MASSIVE ORDNANCE PENETRATOR (MOP) | 19,743 | 19,743 |
| 006 | JOINT DIRECT ATTACK MUNITION | 251,956 | 251,956 |
| | **OTHER ITEMS** | | |
| 008 | CAD/PAD | 50,473 | 50,473 |
| 009 | EXPLOSIVE ORDNANCE DISPOSAL (EOD) | 6,343 | 9,843 |
| | Dismounted Reconnaissance—Sets, Kits and Outfits (DR-SKO) | | [3,500] |
| 010 | SPARES AND REPAIR PARTS | 573 | 573 |
| 012 | FIRST DESTINATION TRANSPORTATION | 1,903 | 1,903 |
| 013 | ITEMS LESS THAN $5,000,000 | 5,014 | 1,014 |
| | Program decrease—Flares | | [–4,000] |
| | **FLARES** | | |
| 014 | EXPENDABLE COUNTERMEASURES | 120,548 | 105,548 |
| | Program decrease | | [–15,000] |
| | **FUZES** | | |
| 015 | FUZES | 121,528 | 121,528 |
| | **SMALL ARMS** | | |
| 016 | SMALL ARMS | 16,395 | 16,395 |
| | **TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE** | **903,630** | **888,130** |
| | **PROCUREMENT, SPACE FORCE** | | |
| | **SPACE PROCUREMENT, SF** | | |
| 002 | AF SATELLITE COMM SYSTEM | 51,414 | 51,414 |
| 003 | COUNTERSPACE SYSTEMS | 62,691 | 62,691 |
| 004 | FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS | 26,394 | 26,394 |
| 005 | WIDEBAND GAPFILLER SATELLITES (SPACE) | 21,982 | 21,982 |
| 006 | GENERAL INFORMATION TECH—SPACE | 5,424 | 5,424 |
| 007 | GPSIII FOLLOW ON | 657,562 | 657,562 |
| 008 | GPS III SPACE SEGMENT | 103,340 | 103,340 |
| 009 | GLOBAL POSTIONING (SPACE) | 950 | 950 |
| 010 | HERITAGE TRANSITION | 21,896 | 21,896 |
| 011 | SPACEBORNE EQUIP (COMSEC) | 29,587 | 29,587 |
| 012 | MILSATCOM | 29,333 | 29,333 |
| 013 | SBIR HIGH (SPACE) | 148,666 | 148,666 |
| 014 | SPECIAL SPACE ACTIVITIES | 817,484 | 805,484 |
| | Underexecution | | [–12,000] |
| 015 | MOBILE USER OBJECTIVE SYSTEM | 46,833 | 46,833 |
| 016 | NATIONAL SECURITY SPACE LAUNCH | 1,056,133 | 1,056,133 |
| 017 | NUDET DETECTION SYSTEM | 7,062 | 7,062 |

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| 018 | PTES HUB | 42,464 | 42,464 |
| 019 | ROCKET SYSTEMS LAUNCH PROGRAM | 39,145 | 39,145 |
| 020 | SPACE DEVELOPMENT AGENCY LAUNCH | 314,288 | 514,288 |
| | Technical realignment | | [200,000] |
| 022 | SPACE MODS | 73,957 | 73,957 |
| 023 | SPACELIFT RANGE SYSTEM SPACE | 71,712 | 71,712 |
| | **SPARES** | | |
| 024 | SPARES AND REPAIR PARTS | 1,352 | 1,352 |
| | **TOTAL PROCUREMENT, SPACE FORCE** | **3,629,669** | **3,817,669** |
| | | | |
| | **OTHER PROCUREMENT, AIR FORCE** | | |
| | **PASSENGER CARRYING VEHICLES** | | |
| 001 | PASSENGER CARRYING VEHICLES | 2,446 | 2,446 |
| | **CARGO AND UTILITY VEHICLES** | | |
| 002 | MEDIUM TACTICAL VEHICLE | 1,125 | 1,125 |
| 003 | CAP VEHICLES | 999 | 1,900 |
| | Program increase | | [901] |
| 004 | CARGO AND UTILITY VEHICLES | 35,220 | 35,220 |
| | **SPECIAL PURPOSE VEHICLES** | | |
| 005 | JOINT LIGHT TACTICAL VEHICLE | 60,461 | 60,461 |
| 006 | SECURITY AND TACTICAL VEHICLES | 382 | 382 |
| 007 | SPECIAL PURPOSE VEHICLES | 49,623 | 49,623 |
| | **FIRE FIGHTING EQUIPMENT** | | |
| 008 | FIRE FIGHTING/CRASH RESCUE VEHICLES | 11,231 | 11,231 |
| | **MATERIALS HANDLING EQUIPMENT** | | |
| 009 | MATERIALS HANDLING VEHICLES | 12,559 | 12,559 |
| | **BASE MAINTENANCE SUPPORT** | | |
| 010 | RUNWAY SNOW REMOV AND CLEANING EQU | 6,409 | 6,409 |
| 011 | BASE MAINTENANCE SUPPORT VEHICLES | 72,012 | 72,012 |
| | **COMM SECURITY EQUIPMENT(COMSEC)** | | |
| 013 | COMSEC EQUIPMENT | 96,851 | 96,851 |
| 014 | STRATEGIC MICROELECTRONIC SUPPLY SYSTEM | 467,901 | 467,901 |
| | **INTELLIGENCE PROGRAMS** | | |
| 015 | INTERNATIONAL INTEL TECH & ARCHITECTURES | 7,043 | 7,043 |
| 016 | INTELLIGENCE TRAINING EQUIPMENT | 2,424 | 2,424 |
| 017 | INTELLIGENCE COMM EQUIPMENT | 25,308 | 25,308 |
| | **ELECTRONICS PROGRAMS** | | |
| 018 | AIR TRAFFIC CONTROL & LANDING SYS | 65,531 | 65,531 |
| 019 | BATTLE CONTROL SYSTEM—FIXED | 1,597 | 1,597 |
| 020 | THEATER AIR CONTROL SYS IMPROVEMEN | 9,611 | 9,611 |
| 021 | 3D EXPEDITIONARY LONG-RANGE RADAR | 174,640 | 167,140 |
| | Program decrease | | [–7,500] |
| 022 | WEATHER OBSERVATION FORECAST | 20,658 | 20,658 |
| 023 | STRATEGIC COMMAND AND CONTROL | 93,351 | 86,220 |
| | Technical realignment | | [–7,131] |
| 024 | CHEYENNE MOUNTAIN COMPLEX | 6,118 | 55,418 |
| | Complex Infrastructure Refurbishments | | [49,300] |
| 025 | MISSION PLANNING SYSTEMS | 13,947 | 13,947 |
| | **SPCL COMM-ELECTRONICS PROJECTS** | | |
| 028 | GENERAL INFORMATION TECHNOLOGY | 101,517 | 131,517 |
| | NORTHCOM UPL—AI/ML Enhancements | | [30,000] |
| 029 | AF GLOBAL COMMAND & CONTROL SYS | 2,487 | 2,487 |
| 030 | BATTLEFIELD AIRBORNE CONTROL NODE (BACN) | 32,807 | 32,807 |
| 031 | MOBILITY COMMAND AND CONTROL | 10,210 | 10,210 |
| 035 | COMBAT TRAINING RANGES | 134,213 | 134,213 |
| 036 | MINIMUM ESSENTIAL EMERGENCY COMM N | 66,294 | 66,294 |
| 037 | WIDE AREA SURVEILLANCE (WAS) | 29,518 | 29,518 |
| 038 | C3 COUNTERMEASURES | 55,324 | 55,324 |
| 040 | GCSS-AF FOS | 786 | 786 |
| 042 | MAINTENANCE REPAIR & OVERHAUL INITIATIVE | 248 | 248 |
| 043 | THEATER BATTLE MGT C2 SYSTEM | 275 | 275 |
| 044 | AIR & SPACE OPERATIONS CENTER (AOC) | 2,611 | 2,611 |
| | **AIR FORCE COMMUNICATIONS** | | |
| 046 | BASE INFORMATION TRANSPT INFRAST (BITI) WIRED | 29,791 | 29,791 |
| 047 | AFNET | 83,320 | 83,320 |
| 048 | JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) | 5,199 | 5,199 |
| 049 | USCENTCOM | 11,896 | 11,896 |
| 050 | USSTRATCOM | 4,619 | 4,619 |
| | **ORGANIZATION AND BASE** | | |
| 051 | TACTICAL C-E EQUIPMENT | 120,050 | 110,050 |
| | Program decrease | | [–10,000] |
| 052 | RADIO EQUIPMENT | 14,053 | 14,053 |
| 054 | BASE COMM INFRASTRUCTURE | 91,313 | 96,413 |
| | Alaskan Long-Range Radars—Sites Digitalization | | [5,100] |
| | **MODIFICATIONS** | | |
| 055 | COMM ELECT MODS | 167,419 | 167,419 |
| | **CLASSIFIED PROGRAMS** | | |
| 055A | CLASSIFIED PROGRAMS | 89,484 | 89,484 |

**SEC. 4101. PROCUREMENT**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **PERSONAL SAFETY & RESCUE EQUIP** | | |
| 056 | PERSONAL SAFETY AND RESCUE EQUIPMENT | 92,995 | 101,895 |
| | Rapid Response Shelters | | [8,900] |
| | **DEPOT PLANT+MTRLS HANDLING EQ** | | |
| 057 | POWER CONDITIONING EQUIPMENT | 12,199 | 12,199 |
| 058 | MECHANIZED MATERIAL HANDLING EQUIP | 9,326 | 9,326 |
| | **BASE SUPPORT EQUIPMENT** | | |
| 059 | BASE PROCURED EQUIPMENT | 52,890 | 52,890 |
| 060 | ENGINEERING AND EOD EQUIPMENT | 231,552 | 231,552 |
| 061 | MOBILITY EQUIPMENT | 28,758 | 28,758 |
| 062 | FUELS SUPPORT EQUIPMENT (FSE) | 21,740 | 21,740 |
| | **SPECIAL SUPPORT PROJECTS** | | |
| 065 | DARP RC135 | 28,153 | 28,153 |
| 066 | DCGS-AF | 217,713 | 217,713 |
| 070 | SPECIAL UPDATE PROGRAM | 978,499 | 978,499 |
| | **CLASSIFIED PROGRAMS** | | |
| 070A | CLASSIFIED PROGRAMS | 21,702,225 | 21,452,225 |
| | Excess carryover | | [–250,000] |
| | **SPARES AND REPAIR PARTS** | | |
| 071 | SPARES AND REPAIR PARTS (CYBER) | 1,007 | 1,007 |
| 072 | SPARES AND REPAIR PARTS | 23,175 | 23,175 |
| | **TOTAL OTHER PROCUREMENT, AIR FORCE** | **25,691,113** | **25,510,683** |
| | **PROCUREMENT, DEFENSE-WIDE** | | |
| | **MAJOR EQUIPMENT, SDA** | | |
| 025 | MAJOR EQUIPMENT, DPAA | 513 | 513 |
| 050 | MAJOR EQUIPMENT, OSD | 64,291 | 64,291 |
| | **MAJOR EQUIPMENT, NSA** | | |
| 047 | INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) | 6,738 | 6,738 |
| | **MAJOR EQUIPMENT, WHS** | | |
| 054 | MAJOR EQUIPMENT, WHS | 310 | 310 |
| | **MAJOR EQUIPMENT, DISA** | | |
| 011 | INFORMATION SYSTEMS SECURITY | 24,044 | 24,044 |
| 012 | TELEPORT PROGRAM | 50,475 | 50,475 |
| 013 | JOINT FORCES HEADQUARTERS—DODIN | 674 | 674 |
| 014 | ITEMS LESS THAN $5 MILLION | 46,614 | 46,614 |
| 015 | DEFENSE INFORMATION SYSTEM NETWORK | 87,345 | 87,345 |
| 016 | WHITE HOUSE COMMUNICATION AGENCY | 130,145 | 130,145 |
| 017 | SENIOR LEADERSHIP ENTERPRISE | 47,864 | 47,864 |
| 018 | JOINT REGIONAL SECURITY STACKS (JRSS) | 17,135 | 10,135 |
| | Program decrease | | [–7,000] |
| 019 | JOINT SERVICE PROVIDER | 86,183 | 86,183 |
| 020 | FOURTH ESTATE NETWORK OPTIMIZATION (4ENO) | 42,756 | 42,756 |
| | **MAJOR EQUIPMENT, DLA** | | |
| 022 | MAJOR EQUIPMENT | 24,501 | 24,501 |
| | **MAJOR EQUIPMENT, DCSA** | | |
| 001 | MAJOR EQUIPMENT | 2,346 | 2,346 |
| | **MAJOR EQUIPMENT, TJS** | | |
| 052 | MAJOR EQUIPMENT, TJS | 3,900 | 3,900 |
| | **MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY** | | |
| 030 | THAAD | 74,994 | 347,894 |
| | 25 additional THAAD interceptors | | [272,900] |
| 031 | GROUND BASED MIDCOURSE | 11,300 | 11,300 |
| 032 | AEGIS BMD | 402,235 | 425,735 |
| | Procure Replacement IMU | | [23,500] |
| 034 | BMDS AN/TPY–2 RADARS | 4,606 | 59,606 |
| | AN/TPY–2 TRIMM Refresh | | [30,000] |
| | BMDS Sensors | | [10,000] |
| | HEMP Hardening | | [15,000] |
| 035 | SM–3 IIAS | 337,975 | 337,975 |
| 036 | ARROW 3 UPPER TIER SYSTEMS | 80,000 | 80,000 |
| 037 | SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD) | 40,000 | 40,000 |
| 038 | DEFENSE OF GUAM PROCUREMENT | 26,514 | 26,514 |
| 039 | AEGIS ASHORE PHASE III | 30,056 | 30,056 |
| 040 | IRON DOME | 80,000 | 80,000 |
| 041 | AEGIS BMD HARDWARE AND SOFTWARE | 78,181 | 100,181 |
| | SPY–1 Low Noise Amplyfier | | [22,000] |
| | **MAJOR EQUIPMENT, DHRA** | | |
| 003 | PERSONNEL ADMINISTRATION | 4,522 | 4,522 |
| | **MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY** | | |
| 027 | VEHICLES | 139 | 139 |
| 028 | OTHER MAJOR EQUIPMENT | 14,296 | 14,296 |
| | **MAJOR EQUIPMENT, DODEA** | | |
| 024 | AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS | 2,048 | 2,048 |
| | **MAJOR EQUIPMENT, DMACT** | | |
| 023 | MAJOR EQUIPMENT | 11,117 | 11,117 |
| | **CLASSIFIED PROGRAMS** | | |
| 054A | CLASSIFIED PROGRAMS | 681,894 | 692,394 |

**SEC. 4101. PROCUREMENT**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | JWICS modernization | | [10,500] |
| | **AVIATION PROGRAMS** | | |
| 055 | ARMED OVERWATCH/TARGETING | 246,000 | 246,000 |
| 056 | MANNED ISR | 5,000 | 5,000 |
| 057 | MC–12 | 3,344 | 3,344 |
| 059 | ROTARY WING UPGRADES AND SUSTAINMENT | 214,575 | 214,575 |
| 060 | UNMANNED ISR | 41,749 | 41,749 |
| 061 | NON-STANDARD AVIATION | 7,156 | 7,156 |
| 062 | U–28 | 4,589 | 4,589 |
| 063 | MH–47 CHINOOK | 133,144 | 133,144 |
| 064 | CV–22 MODIFICATION | 75,629 | 83,215 |
| | CV–22 & MC–130J Link–16 TacNet Tactical Receiver | | [7,586] |
| 065 | MQ–9 UNMANNED AERIAL VEHICLE | 9,000 | 9,000 |
| 066 | PRECISION STRIKE PACKAGE | 57,450 | 57,450 |
| 067 | AC/MC–130J | 225,569 | 225,569 |
| 068 | C–130 MODIFICATIONS | 11,945 | 16,893 |
| | CV–22 & MC–130J Link–16 TacNet Tactical Receiver | | [4,948] |
| | **SHIPBUILDING** | | |
| 069 | UNDERWATER SYSTEMS | 45,631 | 45,631 |
| | **AMMUNITION PROGRAMS** | | |
| 070 | ORDNANCE ITEMS <$5M | 151,233 | 159,889 |
| | M3E1 Multi Purpose Anti Armor Anti Personnel Weapon System (MAWWS) Family of Munitions. | | [4,951] |
| | Maritime Scalable Effects (MSE) Electronic Warfare System Acceleration | | [3,705] |
| | **OTHER PROCUREMENT PROGRAMS** | | |
| 071 | INTELLIGENCE SYSTEMS | 175,616 | 219,094 |
| | SOCOM Enclosed Spaces Reconnaissance Collection Suite (ESRCS) | | [15,000] |
| | Stalker VXE Block 30 Vertical Takeoff & Landing (VTOL) Acceleration | | [28,478] |
| 072 | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 2,214 | 2,214 |
| 073 | OTHER ITEMS <$5M | 98,096 | 98,096 |
| 074 | COMBATANT CRAFT SYSTEMS | 85,566 | 85,566 |
| 075 | SPECIAL PROGRAMS | 20,042 | 249,042 |
| | Medium Fixed Wing Recapitalization | | [229,000] |
| 076 | TACTICAL VEHICLES | 51,605 | 59,605 |
| | PB-NSCV | | [8,000] |
| 077 | WARRIOR SYSTEMS <$5M | 306,846 | 359,129 |
| | AFSOC Force Generation (AFSOFORGEN) Tactical Communications (TACCOM). | | [18,730] |
| | Counter Unmanned Systems (CUxS) Procurement Acceleration | | [33,553] |
| 078 | COMBAT MISSION REQUIREMENTS | 4,991 | 4,991 |
| 080 | OPERATIONAL ENHANCEMENTS INTELLIGENCE | 18,723 | 24,137 |
| | Low Visibility Vanishing Technology (LVVT) | | [5,414] |
| 081 | OPERATIONAL ENHANCEMENTS | 347,473 | 374,227 |
| | Ground Vehicle Forward Looking Infrared (FLIR) | | [11,000] |
| | High Speed Assault Craft (HSAC) Roof Application Kit (RAK) Acceleration | | [5,000] |
| | Intelligence, Surveillance, and Reconnaissance (ISR) Transceivers Acceleration | | [10,754] |
| | **CBDP** | | |
| 082 | CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS | 199,439 | 199,439 |
| 083 | CB PROTECTION & HAZARD MITIGATION | 187,164 | 192,164 |
| | Waterless & Sprayable Solutions for Decontamination of Chemical and Biological Warfare Agents. | | [5,000] |
| | **TOTAL PROCUREMENT, DEFENSE-WIDE** | **5,245,500** | **6,013,519** |
| | **NATIONAL GUARD AND RESERVE EQUIPMENT** | | |
| | **UNDISTRIBUTED** | | |
| 007 | UNDISTRIBUTED | | 50,000 |
| | Program increase | | [50,000] |
| | **TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT** | | **50,000** |
| | **TOTAL PROCUREMENT** | **144,219,205** | **160,202,135** |

# TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | **RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY** | | |
| | | **BASIC RESEARCH** | | |
| 001 | 0601102A | DEFENSE RESEARCH SCIENCES | 279,328 | 340,194 |
| | | Counter-UAS Technology Research | | [5,000] |
| | | Program increase | | [55,866] |
| 002 | 0601103A | UNIVERSITY RESEARCH INITIATIVES | 70,775 | 90,775 |
| | | Defense University Research Instrumentation Program | | [20,000] |
| 003 | 0601104A | UNIVERSITY AND INDUSTRY RESEARCH CENTERS | 100,909 | 109,909 |
| | | Automotive Research Center | | [5,000] |
| | | Biotechnology | | [4,000] |
| 004 | 0601121A | CYBER COLLABORATIVE RESEARCH ALLIANCE | 5,355 | 5,355 |
| 005 | 0601601A | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASIC RESEARCH. | 10,456 | 15,456 |
| | | Program increase | | [5,000] |
| | | **SUBTOTAL BASIC RESEARCH** | **466,823** | **561,689** |
| | | **APPLIED RESEARCH** | | |
| 006 | 0602002A | ARMY AGILE INNOVATION AND DEVELOPMENT-APPLIED RESEARCH. | 9,534 | 9,534 |
| 008 | 0602134A | COUNTER IMPROVISED-THREAT ADVANCED STUDIES | 6,192 | 6,192 |
| 009 | 0602141A | LETHALITY TECHNOLOGY | 87,717 | 182,717 |
| | | Armament digital and mission engineering | | [35,000] |
| | | Collaborative networked armament lethality and fire control | | [25,000] |
| | | Investigate novel armament systems and technologies | | [5,000] |
| | | Modular open systems architecture | | [5,000] |
| | | Solid-state additive manufacturing research | | [20,000] |
| | | Turret gunner survivability and simulation | | [5,000] |
| 010 | 0602142A | ARMY APPLIED RESEARCH | 27,833 | 57,533 |
| | | Digital night vision technology | | [9,700] |
| | | Warfighter Weapon Systems Digital Integration | | [20,000] |
| 011 | 0602143A | SOLDIER LETHALITY TECHNOLOGY | 103,839 | 123,839 |
| | | Advanced textiles and shelters | | [6,000] |
| | | Footwear research | | [4,000] |
| | | Pathfinder | | [10,000] |
| | | Program decrease | | [–5,000] |
| | | Program increase | | [5,000] |
| 012 | 0602144A | GROUND TECHNOLOGY | 52,848 | 96,048 |
| | | Advanced Gunner Restraint System | | [2,200] |
| | | Aerospace Manufacturing Center Pilot Program | | [12,000] |
| | | Cold and complex environments sensing research | | [9,000] |
| | | High performance polymer composites and coatings | | [10,000] |
| | | Polar proving ground and training program | | [5,000] |
| | | Unmanned mobility | | [5,000] |
| 013 | 0602145A | NEXT GENERATION COMBAT VEHICLE TECHNOLOGY | 174,090 | 184,890 |
| | | Compact hyperspectral imager development | | [4,800] |
| | | Structural thermoplastics | | [6,000] |
| 014 | 0602146A | NETWORK C3I TECHNOLOGY | 64,115 | 136,115 |
| | | AI for position, navigation, and timing | | [6,000] |
| | | Alternative position, navigation, and timing | | [20,000] |
| | | Portable Doppler radar | | [7,500] |
| | | Rapid design and fabrication of high enthalpy alloys for long range precision fires missiles. | | [3,500] |
| | | Secure anti-tamper | | [15,000] |
| | | Weapons system security | | [20,000] |
| 015 | 0602147A | LONG RANGE PRECISION FIRES TECHNOLOGY | 43,029 | 99,779 |
| | | Carbon-carbon high-temperature composites | | [15,000] |
| | | Low cost missile technology development | | [7,000] |
| | | Low cost missile technology development+J23 | | [3,000] |
| | | Novel printed armament components | | [10,000] |
| | | Precision long range integrated strike missile | | [6,750] |
| | | Program increase | | [15,000] |
| 016 | 0602148A | FUTURE VERTICLE LIFT TECHNOLOGY | 69,348 | 84,348 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | High density eVTOL power source | | [15,000] |
| 017 | 0602150A | AIR AND MISSILE DEFENSE TECHNOLOGY | 27,016 | 72,016 |
| | | CEMA missile defender | | [20,000] |
| | | Counter-UAS Center of Excellence | | [10,000] |
| | | High energy laser engagement technologies | | [15,000] |
| 018 | 0602180A | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES. | 16,454 | 21,454 |
| | | Program increase | | [5,000] |
| 019 | 0602181A | ALL DOMAIN CONVERGENCE APPLIED RESEARCH | 27,399 | 27,399 |
| 020 | 0602182A | C3I APPLIED RESEARCH | 27,892 | 27,892 |
| 021 | 0602183A | AIR PLATFORM APPLIED RESEARCH | 41,588 | 56,588 |
| | | Aerospace Propulsion and Power Technology | | [10,000] |
| | | Hybrid solar photovoltaic-thermoelectric panel | | [5,000] |
| 022 | 0602184A | SOLDIER APPLIED RESEARCH | 15,716 | 15,716 |
| 023 | 0602213A | C3I APPLIED CYBER | 13,605 | 13,605 |
| 024 | 0602386A | BIOTECHNOLOGY FOR MATERIALS—APPLIED RESEARCH | 21,919 | 171,919 |
| | | Tri-Service Biotechnology for a Resilient Supply Chain / Biotechnology for Materials. | | [150,000] |
| 025 | 0602785A | MANPOWER/PERSONNEL/TRAINING TECHNOLOGY | 19,649 | 19,649 |
| 026 | 0602787A | MEDICAL TECHNOLOGY | 33,976 | 33,976 |
| | | **SUBTOTAL APPLIED RESEARCH** | **883,759** | **1,441,209** |
| | | **ADVANCED TECHNOLOGY DEVELOPMENT** | | |
| 027 | 0603002A | MEDICAL ADVANCED TECHNOLOGY | 5,207 | 11,907 |
| | | CPF—U.S. Army Battlefield Exercise and Combat Related Traumatic Brain and Spinal Injury Research. | | [1,700] |
| | | Hearing protection for communications | | [5,000] |
| 028 | 0603007A | MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY. | 15,598 | 15,598 |
| 029 | 0603025A | ARMY AGILE INNOVATION AND DEMONSTRATION | 20,900 | 20,900 |
| 030 | 0603040A | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES. | 6,395 | 11,395 |
| | | Program increase | | [5,000] |
| 031 | 0603041A | ALL DOMAIN CONVERGENCE ADVANCED TECHNOLOGY | 45,463 | 45,463 |
| 032 | 0603042A | C3I ADVANCED TECHNOLOGY | 12,716 | 12,716 |
| 033 | 0603043A | AIR PLATFORM ADVANCED TECHNOLOGY | 17,946 | 27,946 |
| | | Integrated Floor System Upgrades for H–60 Variants | | [10,000] |
| 034 | 0603044A | SOLDIER ADVANCED TECHNOLOGY | 479 | 10,499 |
| | | CPF—Advancing Military Exoskeleton Technology State-of-The-Art Project. | | [2,890] |
| | | CPF—Building 2, Doriot Climatic Chambers, Exterior Repair | | [3,630] |
| | | CPF—Small Unit Digital Twin for Robotic and Sensor Systems Integration. | | [3,500] |
| 036 | 0603116A | LETHALITY ADVANCED TECHNOLOGY | 9,796 | 9,796 |
| 037 | 0603117A | ARMY ADVANCED TECHNOLOGY DEVELOPMENT | 134,874 | 134,874 |
| 038 | 0603118A | SOLDIER LETHALITY ADVANCED TECHNOLOGY | 100,935 | 120,935 |
| | | FRAG-CT | | [4,000] |
| | | Sensored head-borne suspension systems | | [8,000] |
| | | Soldier Integration Experimentation/Airborne Rally Point | | [8,000] |
| 039 | 0603119A | GROUND ADVANCED TECHNOLOGY | 32,546 | 106,846 |
| | | Additive manufacturing with indigenous materials | | [15,000] |
| | | Cold Regions Research and Engineering Laboratory | | [10,000] |
| | | Concrete properties prediction | | [1,800] |
| | | Platform agnostic remote armament systems | | [40,000] |
| | | Printed infrastructure and cold weather construction capabilities | | [7,500] |
| 040 | 0603134A | COUNTER IMPROVISED-THREAT SIMULATION | 21,486 | 21,486 |
| 041 | 0603386A | BIOTECHNOLOGY FOR MATERIALS—ADVANCED RESEARCH | 56,853 | 56,853 |
| 042 | 0603457A | C3I CYBER ADVANCED DEVELOPMENT | 41,354 | 41,354 |
| 043 | 0603461A | HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM. | 251,964 | 301,964 |
| | | Program increase | | [50,000] |
| 044 | 0603462A | NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY. | 193,242 | 261,242 |
| | | Digital enterprise technology | | [15,000] |
| | | Electrified vehicle infrared signature management | | [9,000] |
| | | HTPEM APU | | [10,000] |
| | | Lithium 6T battery development | | [8,000] |
| | | Soldier-ground vehicle interface design | | [6,000] |
| | | Synthetic graphite research | | [20,000] |
| 045 | 0603463A | NETWORK C3I ADVANCED TECHNOLOGY | 125,565 | 135,565 |
| | | PNT technologies in degraded environments | | [10,000] |
| 046 | 0603464A | LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY | 100,830 | 202,740 |
| | | Autoloader development | | [21,400] |
| | | Hypersonic and strategic materials and structures | | [20,000] |
| | | Maneuvering submunitions | | [18,000] |
| | | Missile Multi Agent eXtensible Engagement Services (MAXES) | | [15,000] |
| | | PrSM Inc 4—Army UPL | | [27,510] |
| 047 | 0603465A | FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY | 177,836 | 187,836 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | Program increase—Additive manufacturing | | [10,000] |
| 048 | 0603466A | AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY | 11,147 | 81,147 |
| | | Integration of distributed gain HEL laser weapon system | | [35,000] |
| | | Program increase | | [35,000] |
| 049 | 0603920A | HUMANITARIAN DEMINING | 8,933 | 8,933 |
| | | **SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.** | **1,392,065** | **1,827,995** |
| | | **ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES** | | |
| 050 | 0603305A | ARMY MISSLE DEFENSE SYSTEMS INTEGRATION | 12,001 | 46,001 |
| | | Mobile Solid State High Power Microwave | | [12,000] |
| | | Position, Navigation, and Timing (PNT) Resiliency | | [8,000] |
| | | Sensing, Modeling, Analysis, Requirements, and Testing | | [14,000] |
| 051 | 0603308A | ARMY SPACE SYSTEMS INTEGRATION | 17,945 | 21,445 |
| | | Mission Essential Weather Small Satellites | | [3,500] |
| 053 | 0603619A | LANDMINE WARFARE AND BARRIER—ADV DEV | 64,001 | 64,001 |
| 054 | 0603639A | TANK AND MEDIUM CALIBER AMMUNITION | 64,669 | 64,669 |
| 055 | 0603645A | ARMORED SYSTEM MODERNIZATION—ADV DEV | 49,944 | 87,444 |
| | | AMPV—Hybrid electric vehicle | | [37,500] |
| 056 | 0603747A | SOLDIER SUPPORT AND SURVIVABILITY | 4,060 | 4,060 |
| 057 | 0603766A | TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV | 72,314 | 72,314 |
| 058 | 0603774A | NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT | 18,048 | 168,048 |
| | | IVAS—Army UPL | | [150,000] |
| 059 | 0603779A | ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL | 31,249 | 38,749 |
| | | Underwater Demilitarization of Munitions | | [7,500] |
| 060 | 0603790A | NATO RESEARCH AND DEVELOPMENT | 3,805 | 3,805 |
| 061 | 0603801A | AVIATION—ADV DEV | 1,162,344 | 1,180,484 |
| | | Program increase—Future Vertical Lift | | [23,000] |
| | | Unjustified growth—FLRAA MTA program management | | [–4,860] |
| 062 | 0603804A | LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV | 9,638 | 9,638 |
| 063 | 0603807A | MEDICAL SYSTEMS—ADV DEV | 598 | 598 |
| 064 | 0603827A | SOLDIER SYSTEMS—ADVANCED DEVELOPMENT | 25,971 | 25,971 |
| 065 | 0604017A | ROBOTICS DEVELOPMENT | 26,594 | 26,594 |
| 066 | 0604019A | EXPANDED MISSION AREA MISSILE (EMAM) | 220,820 | 220,820 |
| 067 | 0604020A | CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING. | 106,000 | 111,000 |
| | | Program increase | | [5,000] |
| 069 | 0604035A | LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY | 35,509 | 35,509 |
| 070 | 0604036A | MULTI-DOMAIN SENSING SYSTEM (MDSS) ADV DEV | 49,932 | 49,932 |
| 071 | 0604037A | TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV. | 863 | 863 |
| 072 | 0604100A | ANALYSIS OF ALTERNATIVES | 10,659 | 10,659 |
| 073 | 0604101A | SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4) | 1,425 | 21,425 |
| | | Program Protection | | [20,000] |
| 074 | 0604113A | FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS). | 95,719 | 100,719 |
| | | Identification Friend or Foe (IFF) modernization | | [5,000] |
| 075 | 0604114A | LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR | 382,147 | 422,147 |
| | | Program protection | | [40,000] |
| 076 | 0604115A | TECHNOLOGY MATURATION INITIATIVES | 269,756 | 339,756 |
| | | Strategic long range cannon | | [70,000] |
| 077 | 0604117A | MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) | 225,147 | 225,147 |
| 078 | 0604119A | ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING. | 198,111 | 198,111 |
| 079 | 0604120A | ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) | 43,797 | 57,797 |
| | | ALTNAV—Army UPL | | [14,000] |
| 080 | 0604121A | SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING. | 166,452 | 215,852 |
| | | AI prototype—Army UPL | | [13,500] |
| | | Call for Fire Trainer—Army UPL | | [10,000] |
| | | Program increase (STE live training systems) | | [17,000] |
| | | Program increase TSS/TMT and SVT—Army UPL | | [8,900] |
| 081 | 0604134A | COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING. | 15,840 | 15,840 |
| 082 | 0604135A | STRATEGIC MID-RANGE FIRES | 404,291 | 404,291 |
| 083 | 0604182A | HYPERSONICS | 173,168 | 223,168 |
| | | National Hypersonic Initiative—Develop Leap-Ahead Concepts and Capabilities. | | [50,000] |
| 084 | 0604403A | FUTURE INTERCEPTOR | 8,179 | 8,179 |
| 085 | 0604531A | COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS ADVANCED DEVELOPMENT. | 35,110 | 35,110 |
| 086 | 0604541A | UNIFIED NETWORK TRANSPORT | 36,966 | 76,966 |
| | | Common mounted form factor—Army UPL | | [40,000] |
| 089 | 0305251A | CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT | 55,677 | 55,677 |
| | | **SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.** | **4,098,749** | **4,642,789** |

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|---|---|---|---|---|
| | | **SYSTEM DEVELOPMENT & DEMONSTRATION** | | |
| 090 | 0604201A | AIRCRAFT AVIONICS | 3,335 | 3,335 |
| 091 | 0604270A | ELECTRONIC WARFARE DEVELOPMENT | 4,243 | 4,243 |
| 092 | 0604601A | INFANTRY SUPPORT WEAPONS | 66,529 | 76,529 |
| | | Commercial magazine reliability testing | | [5,000] |
| | | Program increase | | [5,000] |
| 093 | 0604604A | MEDIUM TACTICAL VEHICLES | 22,163 | 22,163 |
| 094 | 0604611A | JAVELIN | 7,870 | 7,870 |
| 095 | 0604622A | FAMILY OF HEAVY TACTICAL VEHICLES | 50,924 | 50,924 |
| 096 | 0604633A | AIR TRAFFIC CONTROL | 2,623 | 2,623 |
| 097 | 0604641A | TACTICAL UNMANNED GROUND VEHICLE (TUGV) | 115,986 | 115,986 |
| 098 | 0604642A | LIGHT TACTICAL WHEELED VEHICLES | | 10,049 |
| | | Electric light recon vehicle—Army UPL | | [10,049] |
| 099 | 0604645A | ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV | 71,287 | 71,287 |
| 100 | 0604710A | NIGHT VISION SYSTEMS—ENG DEV | 62,679 | 84,179 |
| | | IVAS—Army UPL | | [16,500] |
| | | Third Generation Forward Looking Infrared (3GFLIR) FALCONS. | | [5,000] |
| 101 | 0604713A | COMBAT FEEDING, CLOTHING, AND EQUIPMENT | 1,566 | 1,566 |
| 102 | 0604715A | NON-SYSTEM TRAINING DEVICES—ENG DEV | 18,600 | 18,600 |
| 103 | 0604741A | AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV. | 39,541 | 35,541 |
| | | Program decrease | | [–4,000] |
| 104 | 0604742A | CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT | 29,570 | 29,570 |
| 105 | 0604746A | AUTOMATIC TEST EQUIPMENT DEVELOPMENT | 5,178 | 5,178 |
| 106 | 0604760A | DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV. | 8,189 | 8,189 |
| 109 | 0604798A | BRIGADE ANALYSIS, INTEGRATION AND EVALUATION | 21,228 | 21,228 |
| 110 | 0604802A | WEAPONS AND MUNITIONS—ENG DEV | 263,778 | 259,178 |
| | | Program decrease | | [–4,600] |
| 111 | 0604804A | LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV | 41,669 | 65,369 |
| | | Chassis upgrade for ABV/JAB—Army UPL | | [23,700] |
| 112 | 0604805A | COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV. | 40,038 | 40,038 |
| 113 | 0604807A | MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV. | 5,513 | 5,513 |
| 114 | 0604808A | LANDMINE WARFARE/BARRIER—ENG DEV | 12,150 | 12,150 |
| 115 | 0604818A | ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE. | 111,690 | 111,690 |
| 116 | 0604820A | RADAR DEVELOPMENT | 71,259 | 71,259 |
| 117 | 0604822A | GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS) | 10,402 | 10,402 |
| 119 | 0604827A | SOLDIER SYSTEMS—WARRIOR DEM/VAL | 11,425 | 11,425 |
| 120 | 0604852A | SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD | 109,702 | 146,802 |
| | | Active protection system testing | | [16,000] |
| | | Army Aviation & Missile Center Digital Engineering Software pilot program. | | [9,400] |
| | | Autonomous Vehicle Test Bed | | [11,700] |
| 121 | 0604854A | ARTILLERY SYSTEMS—EMD | 23,106 | 23,106 |
| 122 | 0605013A | INFORMATION TECHNOLOGY DEVELOPMENT | 124,475 | 124,475 |
| 123 | 0605018A | INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A) | 67,564 | 47,564 |
| | | Unjustified growth | | [–20,000] |
| 125 | 0605030A | JOINT TACTICAL NETWORK CENTER (JTNC) | 17,950 | 17,950 |
| 126 | 0605031A | JOINT TACTICAL NETWORK (JTN) | 30,169 | 30,169 |
| 128 | 0605035A | COMMON INFRARED COUNTERMEASURES (CIRCM) | 11,523 | 11,523 |
| 130 | 0605041A | DEFENSIVE CYBER TOOL DEVELOPMENT | 33,029 | 33,029 |
| 131 | 0605042A | TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) | 4,497 | 4,497 |
| 132 | 0605047A | CONTRACT WRITING SYSTEM | 23,487 | 13,487 |
| | | Unjustified growth | | [–10,000] |
| 133 | 0605051A | AIRCRAFT SURVIVABILITY DEVELOPMENT | 19,123 | 19,123 |
| 134 | 0605052A | INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1 | 131,093 | 131,093 |
| 135 | 0605053A | GROUND ROBOTICS | 26,809 | 26,809 |
| 136 | 0605054A | EMERGING TECHNOLOGY INITIATIVES | 185,311 | 259,311 |
| | | Program increase (10kw–50kw DE-MSHORAD) and C-UAS P-HEL. | | [70,000] |
| | | Threat Simulation Modeling (HNE-TSM) | | [4,000] |
| 137 | 0605143A | BIOMETRICS ENABLING CAPABILITY (BEC) | 11,091 | 11,091 |
| 138 | 0605144A | NEXT GENERATION LOAD DEVICE—MEDIUM | 22,439 | 22,439 |
| 140 | 0605148A | TACTICAL INTEL TARGETING ACCESS NODE (TITAN) EMD | 58,087 | 108,987 |
| | | Army Requested Realignment from Procurement | | [50,900] |
| 141 | 0605203A | ARMY SYSTEM DEVELOPMENT & DEMONSTRATION | 119,516 | 143,616 |
| | | CYBERCOM UPL—JCWA integration | | [24,100] |
| 142 | 0605205A | SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5) | 6,530 | 6,530 |
| 143 | 0605224A | MULTI-DOMAIN INTELLIGENCE | 19,911 | 19,911 |
| 145 | 0605231A | PRECISION STRIKE MISSILE (PRSM) | 259,506 | 259,506 |
| 146 | 0605232A | HYPERSONICS EMD | 633,499 | 633,499 |
| 147 | 0605233A | ACCESSIONS INFORMATION ENVIRONMENT (AIE) | 13,647 | 13,647 |
| 148 | 0605235A | STRATEGIC MID-RANGE CAPABILITY | 5,016 | 5,016 |
| 149 | 0605236A | INTEGRATED TACTICAL COMMUNICATIONS | 12,447 | 12,447 |

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|---|---|---|---|---|
| 150 | 0605450A | JOINT AIR-TO-GROUND MISSILE (JAGM) | 2,366 | 2,366 |
| 151 | 0605457A | ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) | 265,288 | 257,288 |
| | | Program decrease | | [–8,000] |
| 152 | 0605531A | COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS SYS DEV & DEMONSTRATION. | 14,892 | 14,892 |
| 153 | 0605625A | MANNED GROUND VEHICLE | 589,762 | 589,762 |
| 154 | 0605766A | NATIONAL CAPABILITIES INTEGRATION (MIP) | 17,030 | 17,030 |
| 155 | 0605812A | JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH. | 9,376 | 9,376 |
| 156 | 0605830A | AVIATION GROUND SUPPORT EQUIPMENT | 2,959 | 2,959 |
| 157 | 0303032A | TROJAN—RH12 | 3,761 | 3,761 |
| 160 | 0304270A | ELECTRONIC WARFARE DEVELOPMENT | 56,938 | 97,774 |
| | | Service Tactical SIGINT Upgrades—INDOPACOM UPL | | [4,900] |
| | | Terrestrial Layer System EAB—Army UPL | | [35,936] |
| | | **SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.** | **4,031,334** | **4,276,919** |
| | | **MANAGEMENT SUPPORT** | | |
| 161 | 0604256A | THREAT SIMULATOR DEVELOPMENT | 18,437 | 18,437 |
| 162 | 0604258A | TARGET SYSTEMS DEVELOPMENT | 19,132 | 39,132 |
| | | Small UAS engine development | | [20,000] |
| 163 | 0604759A | MAJOR T&E INVESTMENT | 107,706 | 107,706 |
| 164 | 0605103A | RAND ARROYO CENTER | 35,542 | 35,542 |
| 165 | 0605301A | ARMY KWAJALEIN ATOLL | 309,005 | 309,005 |
| 166 | 0605326A | CONCEPTS EXPERIMENTATION PROGRAM | 87,122 | 87,122 |
| 168 | 0605601A | ARMY TEST RANGES AND FACILITIES | 401,643 | 401,643 |
| 169 | 0605602A | ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS | 37,962 | 72,962 |
| | | Rapid Assurance Modernization Program–Test (RAMP-T) | | [35,000] |
| 170 | 0605604A | SURVIVABILITY/LETHALITY ANALYSIS | 36,500 | 36,500 |
| 171 | 0605606A | AIRCRAFT CERTIFICATION | 2,777 | 2,777 |
| 172 | 0605702A | METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES | 6,958 | 6,958 |
| 173 | 0605706A | MATERIEL SYSTEMS ANALYSIS | 22,037 | 22,037 |
| 174 | 0605709A | EXPLOITATION OF FOREIGN ITEMS | 6,186 | 6,186 |
| 175 | 0605712A | SUPPORT OF OPERATIONAL TESTING | 70,718 | 70,718 |
| 176 | 0605716A | ARMY EVALUATION CENTER | 67,058 | 67,058 |
| 177 | 0605718A | ARMY MODELING & SIM X-CMD COLLABORATION & INTEG | 6,097 | 6,097 |
| 178 | 0605801A | PROGRAMWIDE ACTIVITIES | 89,793 | 89,793 |
| 179 | 0605803A | TECHNICAL INFORMATION ACTIVITIES | 28,752 | 28,752 |
| 180 | 0605805A | MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY. | 48,316 | 53,316 |
| | | Agile Manufacturing for Advanced Armament Systems | | [5,000] |
| 181 | 0605857A | ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT | 1,912 | 1,912 |
| 182 | 0605898A | ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA | 53,271 | 53,271 |
| 183 | 0606002A | RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE | 90,088 | 98,088 |
| | | Technology Refresh for Reagan Test Site (RTS) Mission Control Centers. | | [8,000] |
| 184 | 0606003A | COUNTERINTEL AND HUMAN INTEL MODERNIZATION | 1,424 | 1,424 |
| 186 | 0606942A | ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES. | 5,816 | 5,816 |
| | | **SUBTOTAL MANAGEMENT SUPPORT** | **1,554,252** | **1,622,252** |
| | | **OPERATIONAL SYSTEMS DEVELOPMENT** | | |
| 188 | 0603778A | MLRS PRODUCT IMPROVEMENT PROGRAM | 18,463 | 18,463 |
| 189 | 0605024A | ANTI-TAMPER TECHNOLOGY SUPPORT | 9,284 | 21,284 |
| | | Program increase | | [12,000] |
| 190 | 0607131A | WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS. | 11,674 | 16,674 |
| | | Materials improvements | | [5,000] |
| 193 | 0607137A | CHINOOK PRODUCT IMPROVEMENT PROGRAM | 52,513 | 72,513 |
| | | Chinook 714C engine upgrade | | [20,000] |
| 194 | 0607139A | IMPROVED TURBINE ENGINE PROGRAM | 228,036 | 228,036 |
| 195 | 0607142A | AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT. | 11,312 | 11,312 |
| 196 | 0607143A | UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS | 512 | 512 |
| 197 | 0607145A | APACHE FUTURE DEVELOPMENT | 10,074 | 35,074 |
| | | Program increase | | [25,000] |
| 198 | 0607148A | AN/TPQ–53 COUNTERFIRE TARGET ACQUISITION RADAR SYSTEM. | 62,559 | 62,559 |
| 199 | 0607150A | INTEL CYBER DEVELOPMENT | 13,343 | 13,343 |
| 200 | 0607312A | ARMY OPERATIONAL SYSTEMS DEVELOPMENT | 26,131 | 26,131 |
| 201 | 0607313A | ELECTRONIC WARFARE DEVELOPMENT | 6,432 | 6,432 |
| 202 | 0607665A | FAMILY OF BIOMETRICS | 1,114 | 1,114 |
| 203 | 0607865A | PATRIOT PRODUCT IMPROVEMENT | 152,312 | 162,312 |
| | | Patriot Obsolescence and Program Protection | | [10,000] |
| 204 | 0203728A | JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCS). | 19,329 | 19,329 |
| 205 | 0203735A | COMBAT VEHICLE IMPROVEMENT PROGRAMS | 192,310 | 294,510 |
| | | Abrams modernization | | [97,200] |

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|---|---|---|---|---|
| | | Auxiliary power unit development | | [5,000] |
| 206 | 0203743A | 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS | 136,680 | 136,680 |
| 207 | 0203744A | AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS. | | 14,400 |
| | | Gray Eagle—M-code | | [14,400] |
| 208 | 0203752A | AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM | 148 | 148 |
| 209 | 0203758A | DIGITIZATION | 2,100 | 2,100 |
| 210 | 0203801A | MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM | 3,109 | 53,109 |
| | | Stinger missile—Army UPL | | [50,000] |
| 211 | 0203802A | OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS | 9,027 | 9,027 |
| 212 | 0205412A | ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV. | 793 | 793 |
| 213 | 0205778A | GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) | 20,180 | 20,180 |
| 214 | 0208053A | JOINT TACTICAL GROUND SYSTEM | 8,813 | 8,813 |
| 217 | 0303140A | INFORMATION SYSTEMS SECURITY PROGRAM | 17,209 | 17,209 |
| 218 | 0303141A | GLOBAL COMBAT SUPPORT SYSTEM | 27,100 | 27,100 |
| 219 | 0303142A | SATCOM GROUND ENVIRONMENT (SPACE) | 18,321 | 18,321 |
| 222 | 0305179A | INTEGRATED BROADCAST SERVICE (IBS) | 9,926 | 9,926 |
| 223 | 0305204A | TACTICAL UNMANNED AERIAL VEHICLES | 4,500 | 4,500 |
| 224 | 0305206A | AIRBORNE RECONNAISSANCE SYSTEMS | 17,165 | 17,165 |
| 227 | 0708045A | END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES | 91,270 | 91,270 |
| 227A | 9999999999 | CLASSIFIED PROGRAMS | 6,664 | 6,664 |
| | | **SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.** | **1,188,403** | **1,427,003** |
| | | **SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS** | | |
| 228 | 0608041A | DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT. | 94,888 | 94,888 |
| | | **SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.** | **94,888** | **94,888** |
| | | **TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.** | **13,710,273** | **15,894,744** |
| | | **RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY** | | |
| | | **BASIC RESEARCH** | | |
| 001 | 0601103N | UNIVERSITY RESEARCH INITIATIVES | 90,076 | 209,700 |
| | | Advanced autonomous robotics | | [10,000] |
| | | Program increase | | [109,624] |
| 003 | 0601153N | DEFENSE RESEARCH SCIENCES | 499,116 | 499,116 |
| | | **SUBTOTAL BASIC RESEARCH** | **589,192** | **708,816** |
| | | **APPLIED RESEARCH** | | |
| 004 | 0602114N | POWER PROJECTION APPLIED RESEARCH | 22,953 | 38,953 |
| | | Next Generation Information Operations | | [16,000] |
| 005 | 0602123N | FORCE PROTECTION APPLIED RESEARCH | 133,426 | 194,926 |
| | | Additive Manufacturing of Unmanned Maritime Systems | | [10,000] |
| | | CPF—Resilient Autonomous Systems Research and Workforce Diversity. | | [4,000] |
| | | CPF—Talent and Technology for Navy Power and Energy Systems. | | [3,000] |
| | | Direct air capture and carbon removal technology program | | [10,000] |
| | | Intelligent Data Management for Distributed Naval Platforms | | [10,500] |
| | | Next Generation Integrated Power and Energy Systems | | [10,500] |
| | | Relative Positioning of Autonomous Platforms | | [5,000] |
| | | Resilient Autonomous Systems Research & Workforce Diversity | | [8,500] |
| 006 | 0602131M | MARINE CORPS LANDING FORCE TECHNOLOGY | 53,467 | 73,967 |
| | | Advanced lithium-ion batteries | | [5,000] |
| | | CPF—Unmanned Logistics Solutions for the U.S. Marine Corps | | [3,000] |
| | | Cyber, AI & LVC Tech Scouting & Workforce Development | | [2,500] |
| | | Unmanned logistics solutions | | [10,000] |
| 007 | 0602235N | COMMON PICTURE APPLIED RESEARCH | 51,911 | 56,911 |
| | | Program increase | | [5,000] |
| 008 | 0602236N | WARFIGHTER SUSTAINMENT APPLIED RESEARCH | 70,957 | 85,957 |
| | | Anti-corrosion coatings | | [10,000] |
| | | High mobility ground robots | | [5,000] |
| 009 | 0602271N | ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH | 92,444 | 112,444 |
| | | Chip Scale Open Architecture | | [20,000] |
| 010 | 0602435N | OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH | 74,622 | 84,622 |
| | | Undersea distributed sensing systems | | [10,000] |
| 011 | 0602651M | JOINT NON-LETHAL WEAPONS APPLIED RESEARCH | 6,700 | 6,700 |
| 012 | 0602747N | UNDERSEA WARFARE APPLIED RESEARCH | 58,111 | 87,111 |
| | | CPF—Persistent Maritime Surveillance | | [4,000] |
| | | Undersea vehicle technology partnerships | | [20,000] |
| | | UUV Research | | [5,000] |
| 013 | 0602750N | FUTURE NAVAL CAPABILITIES APPLIED RESEARCH | 173,641 | 205,641 |
| | | Program increase | | [32,000] |

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|---|---|---|---|---|
| 014 | 0602782N | MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH | 31,649 | 31,649 |
| 015 | 0602792N | INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH. | 120,637 | 146,237 |
| | | Advanced Concept of Operations—Navy UPL | | [25,600] |
| 016 | 0602861N | SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACITIVITIES. | 81,296 | 81,296 |
| | | **SUBTOTAL APPLIED RESEARCH** | **971,814** | **1,206,414** |
| | | **ADVANCED TECHNOLOGY DEVELOPMENT** | | |
| 017 | 0603123N | FORCE PROTECTION ADVANCED TECHNOLOGY | 16,933 | 16,933 |
| 018 | 0603271N | ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY | 8,253 | 8,253 |
| 019 | 0603640M | USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) | 280,285 | 284,885 |
| | | Program increase | | [4,600] |
| 020 | 0603651M | JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT. | 14,048 | 14,048 |
| 021 | 0603673N | FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT. | 251,267 | 251,267 |
| 022 | 0603680N | MANUFACTURING TECHNOLOGY PROGRAM | 60,704 | 60,704 |
| 023 | 0603729N | WARFIGHTER PROTECTION ADVANCED TECHNOLOGY | 4,999 | 19,999 |
| | | Multi-Medicine Manufacturing Platform | | [15,000] |
| 024 | 0603758N | NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS. | 83,137 | 84,287 |
| | | Naval virtual innovation | | [1,150] |
| 025 | 0603782N | MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY. | 2,007 | 2,007 |
| 026 | 0603801N | INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT. | 144,122 | 230,422 |
| | | Advanced Concept of Operations—Navy UPL | | [61,300] |
| | | Scalable laser weapon system | | [25,000] |
| | | **SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT**. | **865,755** | **972,805** |
| | | **ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES** | | |
| 027 | 0603128N | UNMANNED AERIAL SYSTEM | 96,883 | 96,883 |
| 028 | 0603178N | LARGE UNMANNED SURFACE VEHICLES (LUSV) | 146,840 | 146,840 |
| 029 | 0603207N | AIR/OCEAN TACTICAL APPLICATIONS | 39,737 | 39,737 |
| 030 | 0603216N | AVIATION SURVIVABILITY | 17,434 | 17,434 |
| 031 | 0603239N | NAVAL CONSTRUCTION FORCES | 1,706 | 1,706 |
| 033 | 0603254N | ASW SYSTEMS DEVELOPMENT | 15,986 | 15,986 |
| 034 | 0603261N | TACTICAL AIRBORNE RECONNAISSANCE | 3,562 | 3,562 |
| 035 | 0603382N | ADVANCED COMBAT SYSTEMS TECHNOLOGY | 18,628 | 66,828 |
| | | Advanced Concept of Operations—Navy UPL | | [40,700] |
| | | Data dissemination and interoperability | | [7,500] |
| 036 | 0603502N | SURFACE AND SHALLOW WATER MINE COUNTERMEASURES. | 87,825 | 87,825 |
| 037 | 0603506N | SURFACE SHIP TORPEDO DEFENSE | 473 | 6,623 |
| | | Nixie development | | [6,150] |
| 038 | 0603512N | CARRIER SYSTEMS DEVELOPMENT | 11,567 | 11,567 |
| 039 | 0603525N | PILOT FISH | 672,461 | 672,461 |
| 040 | 0603527N | RETRACT LARCH | 7,483 | 7,483 |
| 041 | 0603536N | RETRACT JUNIPER | 239,336 | 239,336 |
| 042 | 0603542N | RADIOLOGICAL CONTROL | 772 | 772 |
| 043 | 0603553N | SURFACE ASW | 1,180 | 1,180 |
| 044 | 0603561N | ADVANCED SUBMARINE SYSTEM DEVELOPMENT | 105,703 | 110,703 |
| | | Program increase | | [5,000] |
| 045 | 0603562N | SUBMARINE TACTICAL WARFARE SYSTEMS | 10,917 | 10,917 |
| 046 | 0603563N | SHIP CONCEPT ADVANCED DESIGN | 82,205 | 101,205 |
| | | Additive Manufacturing in Ship Advanced Concept Design | | [5,000] |
| | | Advance LAW development | | [4,000] |
| | | Polymorphic Build Farms | | [10,000] |
| 047 | 0603564N | SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES | 75,327 | 75,327 |
| 048 | 0603570N | ADVANCED NUCLEAR POWER SYSTEMS | 227,400 | 227,400 |
| 049 | 0603573N | ADVANCED SURFACE MACHINERY SYSTEMS | 176,600 | 185,600 |
| | | Lithium Iron Phosphate Batteries Integration | | [9,000] |
| 050 | 0603576N | CHALK EAGLE | 91,584 | 91,584 |
| 051 | 0603581N | LITTORAL COMBAT SHIP (LCS) | 96,444 | 106,344 |
| | | LCS Fire Control RADAR Demonstration | | [9,900] |
| 052 | 0603582N | COMBAT SYSTEM INTEGRATION | 18,236 | 18,236 |
| 053 | 0603595N | OHIO REPLACEMENT | 335,981 | 360,981 |
| | | Composites for Wet Submarine Application | | [15,000] |
| | | Program increase | | [10,000] |
| 054 | 0603596N | LCS MISSION MODULES | 41,533 | 50,533 |
| | | Mine Countermeasures Mission Package Capacity and Wholeness—Navy UPL. | | [9,000] |
| 055 | 0603597N | AUTOMATED TEST AND RE-TEST (ATRT) | 9,773 | 9,773 |
| 056 | 0603599N | FRIGATE DEVELOPMENT | 118,626 | 118,626 |
| 057 | 0603609N | CONVENTIONAL MUNITIONS | 9,286 | 9,286 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 058 | 0603635M | MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM | 111,431 | 111,431 |
| 059 | 0603654N | JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT | 36,496 | 36,496 |
| 060 | 0603713N | OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT | 6,193 | 6,193 |
| 061 | 0603721N | ENVIRONMENTAL PROTECTION | 21,647 | 21,647 |
| 062 | 0603724N | NAVY ENERGY PROGRAM | 60,320 | 70,320 |
| | | Marine energy systems | | [10,000] |
| 063 | 0603725N | FACILITIES IMPROVEMENT | 5,664 | 5,664 |
| 064 | 0603734N | CHALK CORAL | 833,634 | 833,634 |
| 065 | 0603739N | NAVY LOGISTIC PRODUCTIVITY | 899 | 899 |
| 066 | 0603746N | RETRACT MAPLE | 363,973 | 363,973 |
| 067 | 0603748N | LINK PLUMERIA | 1,038,661 | 1,038,661 |
| 068 | 0603751N | RETRACT ELM | 83,445 | 83,445 |
| 069 | 0603764M | LINK EVERGREEN | 313,761 | 313,761 |
| 070 | 0603790N | NATO RESEARCH AND DEVELOPMENT | 8,041 | 8,041 |
| 071 | 0603795N | LAND ATTACK TECHNOLOGY | 358 | 358 |
| 072 | 0603851M | JOINT NON-LETHAL WEAPONS TESTING | 30,533 | 30,533 |
| 073 | 0603860N | JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL. | 18,628 | 18,628 |
| 074 | 0603925N | DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS | 65,080 | 65,080 |
| 075 | 0604014N | F/A –18 INFRARED SEARCH AND TRACK (IRST) | 40,069 | 40,069 |
| 076 | 0604027N | DIGITAL WARFARE OFFICE | 165,753 | 165,753 |
| 077 | 0604028N | SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES | 106,347 | 106,347 |
| 078 | 0604029N | UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES | 60,697 | 60,697 |
| 079 | 0604030N | RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION.. | 57,000 | 57,000 |
| 081 | 0604112N | GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80). | 116,498 | 116,498 |
| 082 | 0604126N | LITTORAL AIRBORNE MCM | 47,389 | 47,389 |
| 083 | 0604127N | SURFACE MINE COUNTERMEASURES | 12,959 | 12,959 |
| 084 | 0604272N | TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM). | 15,028 | 45,028 |
| | | Program increase—distributed aperture infrared countermeasure system. | | [30,000] |
| 085 | 0604289M | NEXT GENERATION LOGISTICS | 2,342 | 10,742 |
| | | Digital manufacturing data vault | | [8,400] |
| 086 | 0604292N | FUTURE VERTICAL LIFT (MARITIME STRIKE) | 5,103 | 5,103 |
| 087 | 0604320M | RAPID TECHNOLOGY CAPABILITY PROTOTYPE | 62,927 | 62,927 |
| 088 | 0604454N | LX (R) | 26,630 | 26,630 |
| 089 | 0604536N | ADVANCED UNDERSEA PROTOTYPING | 116,880 | 116,880 |
| 090 | 0604636N | COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS) | 7,438 | 7,438 |
| 091 | 0604659N | PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM | 84,734 | 109,734 |
| | | Research and development for a nuclear-capable sea-launched cruise missile. | | [25,000] |
| 092 | 0604707N | SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT. | 10,229 | 10,229 |
| 093 | 0604786N | OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT. | 124,204 | 261,304 |
| | | Hypersonic Offensive Anti-Surface Warfare Increment 2 (OASuW Inc 2)—Navy UPL. | | [34,100] |
| | | Long Range Anti-Ship Missile (LRASM) AGM–158C–3 range improvement (Navy JASSM)—Navy UPL. | | [53,000] |
| | | Long Range Anti-Ship Missile (LRSAM) | | [50,000] |
| 094 | 0605512N | MEDIUM UNMANNED SURFACE VEHICLES (MUSVS)) | 104,000 | 104,000 |
| 095 | 0605513N | UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES | 181,620 | 166,620 |
| | | Program decrease | | [–15,000] |
| 096 | 0605514M | GROUND BASED ANTI-SHIP MISSILE | 43,090 | 43,090 |
| 097 | 0605516M | LONG RANGE FIRES | 36,693 | 36,693 |
| 098 | 0605518N | CONVENTIONAL PROMPT STRIKE (CPS) | 1,205,041 | 1,225,041 |
| | | Full-Scale Rapid CPS Flight Tests | | [20,000] |
| 099 | 0303354N | ASW SYSTEMS DEVELOPMENT—MIP | 9,856 | 9,856 |
| 100 | 0304240M | ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM | 1,735 | 23,535 |
| | | KARGO | | [6,800] |
| | | Transition of the Autonomous Maritime Patrol Aircraft (AMPA) JCTD to Naval Aviation System Command (NAVAIR). | | [15,000] |
| 101 | 0304270N | ELECTRONIC WARFARE DEVELOPMENT—MIP | 796 | 796 |
| | | **SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.** | **8,405,310** | **8,773,860** |
| | | **SYSTEM DEVELOPMENT & DEMONSTRATION** | | |
| 102 | 0603208N | TRAINING SYSTEM AIRCRAFT | 15,128 | 15,128 |
| 103 | 0604038N | MARITIME TARGETING CELL | 39,600 | 39,600 |
| 104 | 0604212N | OTHER HELO DEVELOPMENT | 66,010 | 66,010 |
| 105 | 0604214M | AV–8B AIRCRAFT—ENG DEV | 9,205 | 9,205 |
| 106 | 0604215N | STANDARDS DEVELOPMENT | 3,766 | 3,766 |
| 107 | 0604216N | MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT | 44,684 | 44,684 |
| 108 | 0604221N | P–3 MODERNIZATION PROGRAM | 343 | 343 |
| 109 | 0604230N | WARFARE SUPPORT SYSTEM | 12,337 | 12,337 |
| 110 | 0604231N | COMMAND AND CONTROL SYSTEMS | 143,575 | 143,575 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 111 | 0604234N | ADVANCED HAWKEYE | 502,956 | 482,956 |
| | | Program decrease | | [–20,000] |
| 112 | 0604245M | H–1 UPGRADES | 43,759 | 58,559 |
| | | H–1 Digital Interoperability (DI) Mobile User Objective System (MUOS). | | [14,800] |
| 113 | 0604261N | ACOUSTIC SEARCH SENSORS | 50,231 | 50,231 |
| 114 | 0604262N | V–22A | 125,233 | 125,233 |
| 115 | 0604264N | AIR CREW SYSTEMS DEVELOPMENT | 43,282 | 43,282 |
| 116 | 0604269N | EA–18 | 116,589 | 116,589 |
| 117 | 0604270N | ELECTRONIC WARFARE DEVELOPMENT | 141,138 | 141,138 |
| 118 | 0604273M | EXECUTIVE HELO DEVELOPMENT | 45,645 | 45,645 |
| 119 | 0604274N | NEXT GENERATION JAMMER (NGJ) | 54,679 | 84,679 |
| | | Program Increase—MidBand Capability | | [30,000] |
| 120 | 0604280N | JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) | 329,787 | 314,787 |
| | | Program decrease | | [–15,000] |
| 121 | 0604282N | NEXT GENERATION JAMMER (NGJ) INCREMENT II | 301,737 | 151,737 |
| | | Program delay | | [–150,000] |
| 122 | 0604307N | SURFACE COMBATANT COMBAT SYSTEM ENGINEERING | 347,233 | 347,233 |
| 124 | 0604329N | SMALL DIAMETER BOMB (SDB) | 42,881 | 42,881 |
| 125 | 0604366N | STANDARD MISSILE IMPROVEMENTS | 319,943 | 342,943 |
| | | SM–6 Rocket Motor Industrial Base Expansion | | [23,000] |
| 126 | 0604373N | AIRBORNE MCM | 10,882 | 10,882 |
| 127 | 0604378N | NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING. | 45,892 | 45,892 |
| 129 | 0604501N | ADVANCED ABOVE WATER SENSORS | 81,254 | 81,254 |
| 130 | 0604503N | SSN–688 AND TRIDENT MODERNIZATION | 93,501 | 103,001 |
| | | Submarine Electronic Warfare Capabilitiy Improvements | | [9,500] |
| 131 | 0604504N | AIR CONTROL | 39,138 | 39,138 |
| 132 | 0604512N | SHIPBOARD AVIATION SYSTEMS | 11,759 | 11,759 |
| 133 | 0604518N | COMBAT INFORMATION CENTER CONVERSION | 11,160 | 11,160 |
| 134 | 0604522N | AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM | 87,459 | 87,459 |
| 135 | 0604530N | ADVANCED ARRESTING GEAR (AAG) | 151 | 151 |
| 136 | 0604558N | NEW DESIGN SSN | 307,585 | 504,985 |
| | | Accelerated design | | [188,900] |
| | | Advanced Submarine Control | | [8,500] |
| 137 | 0604562N | SUBMARINE TACTICAL WARFARE SYSTEM | 58,741 | 58,741 |
| 138 | 0604567N | SHIP CONTRACT DESIGN/ LIVE FIRE T&E | 60,791 | 60,791 |
| 139 | 0604574N | NAVY TACTICAL COMPUTER RESOURCES | 4,177 | 4,177 |
| 140 | 0604601N | MINE DEVELOPMENT | 60,793 | 105,793 |
| | | INDOPACOM UPL—Anti-Surface Warfare (ASuW) Hammerhead Mine. | | [25,000] |
| | | Quickstrike Powered Mines | | [20,000] |
| 141 | 0604610N | LIGHTWEIGHT TORPEDO DEVELOPMENT | 142,000 | 142,000 |
| 142 | 0604654N | JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT | 8,618 | 8,618 |
| 143 | 0604657M | USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS—ENG DEV. | 45,025 | 45,025 |
| 144 | 0604703N | PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS. | 7,454 | 7,454 |
| 145 | 0604727N | JOINT STANDOFF WEAPON SYSTEMS | 758 | 758 |
| 146 | 0604755N | SHIP SELF DEFENSE (DETECT & CONTROL) | 159,426 | 159,426 |
| 147 | 0604756N | SHIP SELF DEFENSE (ENGAGE: HARD KILL) | 71,818 | 71,818 |
| 148 | 0604757N | SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) | 92,687 | 127,087 |
| | | Counter-Command, Control, Communications, Computers and Combat Systems Intelligence, Surveillance and Reconnaissance and Targeting (C-C5ISR&T)—Navy UPL. | | [29,400] |
| | | Small Ship EW Self Protection Demonstration | | [5,000] |
| 149 | 0604761N | INTELLIGENCE ENGINEERING | 23,742 | 23,742 |
| 150 | 0604771N | MEDICAL DEVELOPMENT | 3,178 | 3,178 |
| 151 | 0604777N | NAVIGATION/ID SYSTEM | 53,209 | 53,209 |
| 152 | 0604800M | JOINT STRIKE FIGHTER (JSF)—EMD | 611 | 611 |
| 153 | 0604800N | JOINT STRIKE FIGHTER (JSF)—EMD | 234 | 234 |
| 154 | 0604850N | SSN(X) | 143,949 | 143,949 |
| 155 | 0605013M | INFORMATION TECHNOLOGY DEVELOPMENT | 11,361 | 11,361 |
| 156 | 0605013N | INFORMATION TECHNOLOGY DEVELOPMENT | 290,353 | 295,353 |
| | | High performance data analytics | | [10,000] |
| | | Navy ePS—early to need | | [–5,000] |
| 157 | 0605024N | ANTI-TAMPER TECHNOLOGY SUPPORT | 7,271 | 7,271 |
| 158 | 0605180N | TACAMO MODERNIZATION | 554,193 | 554,193 |
| 159 | 0605212M | CH–53K RDTE | 220,240 | 224,240 |
| | | CPF—High-Energy Density and High-Power Density Li-Ion Battery Magazines (HEBM) in Defense Applications. | | [4,000] |
| 160 | 0605215N | MISSION PLANNING | 71,107 | 71,107 |
| 161 | 0605217N | COMMON AVIONICS | 77,960 | 77,960 |
| 162 | 0605220N | SHIP TO SHORE CONNECTOR (SSC) | 2,886 | 10,106 |
| | | Program increase | | [7,220] |
| 163 | 0605327N | T-AO 205 CLASS | 220 | 220 |
| 164 | 0605414N | UNMANNED CARRIER AVIATION (UCA) | 265,646 | 265,646 |
| 165 | 0605450M | JOINT AIR-TO-GROUND MISSILE (JAGM) | 371 | 371 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
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| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 166 | 0605500N | MULTI-MISSION MARITIME AIRCRAFT (MMA) | 37,939 | 37,939 |
| 167 | 0605504N | MULTI-MISSION MARITIME (MMA) INCREMENT III | 161,697 | 161,697 |
| 168 | 0605611M | MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION. | 94,569 | 94,569 |
| 169 | 0605813M | JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION. | 2,856 | 2,856 |
| 170 | 0204202N | DDG–1000 | 197,436 | 197,436 |
| 171 | 0301377N | COUNTERING ADVANCED CONVENTIONAL WEAPONS (CACW). | 12,341 | 22,341 |
| | | Threat Mosaic Warfare | | [10,000] |
| 175 | 0304785N | ISR & INFO OPERATIONS | 135,366 | 135,366 |
| 176 | 0306250M | CYBER OPERATIONS TECHNOLOGY DEVELOPMENT | 37,038 | 37,038 |
| | | **SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION**. | **6,606,583** | **6,801,903** |
| | | **MANAGEMENT SUPPORT** | | |
| 177 | 0604256N | THREAT SIMULATOR DEVELOPMENT | 29,430 | 29,430 |
| 178 | 0604258N | TARGET SYSTEMS DEVELOPMENT | 13,708 | 13,708 |
| 179 | 0604759N | MAJOR T&E INVESTMENT | 95,316 | 97,316 |
| | | AUTEC data fusion capabilities | | [2,000] |
| 180 | 0605152N | STUDIES AND ANALYSIS SUPPORT—NAVY | 3,286 | 3,286 |
| 181 | 0605154N | CENTER FOR NAVAL ANALYSES | 40,624 | 40,624 |
| 183 | 0605804N | TECHNICAL INFORMATION SERVICES | 987 | 987 |
| 184 | 0605853N | MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT | 105,152 | 165,152 |
| | | NRE project backlog reduction | | [60,000] |
| 185 | 0605856N | STRATEGIC TECHNICAL SUPPORT | 3,787 | 3,787 |
| 186 | 0605863N | RDT&E SHIP AND AIRCRAFT SUPPORT | 173,352 | 173,352 |
| 187 | 0605864N | TEST AND EVALUATION SUPPORT | 468,281 | 468,281 |
| 188 | 0605865N | OPERATIONAL TEST AND EVALUATION CAPABILITY | 27,808 | 27,808 |
| 189 | 0605866N | NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT | 27,175 | 27,175 |
| 190 | 0605867N | SEW SURVEILLANCE/RECONNAISSANCE SUPPORT | 7,186 | 7,186 |
| 191 | 0605873M | MARINE CORPS PROGRAM WIDE SUPPORT | 39,744 | 39,744 |
| 192 | 0605898N | MANAGEMENT HQ—R&D | 40,648 | 40,648 |
| 193 | 0606355N | WARFARE INNOVATION MANAGEMENT | 52,060 | 52,060 |
| 194 | 0305327N | INSIDER THREAT | 2,315 | 2,315 |
| 195 | 0902498N | MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES). | 1,811 | 1,811 |
| | | **SUBTOTAL MANAGEMENT SUPPORT** | **1,132,670** | **1,194,670** |
| | | **OPERATIONAL SYSTEMS DEVELOPMENT** | | |
| 198 | 0603273N | SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS. | 65,735 | 65,735 |
| 201 | 0604840M | F–35 C2D2 | 525,338 | 525,338 |
| 202 | 0604840N | F–35 C2D2 | 491,513 | 491,513 |
| 203 | 0605520M | MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS | 48,663 | 48,663 |
| 204 | 0607658N | COOPERATIVE ENGAGEMENT CAPABILITY (CEC) | 156,121 | 156,121 |
| 205 | 0101221N | STRATEGIC SUB & WEAPONS SYSTEM SUPPORT | 284,502 | 304,502 |
| | | D5LE2 Risk Reduction | | [20,000] |
| 206 | 0101224N | SSBN SECURITY TECHNOLOGY PROGRAM | 50,939 | 50,939 |
| 207 | 0101226N | SUBMARINE ACOUSTIC WARFARE DEVELOPMENT | 81,237 | 88,237 |
| | | Program increase | | [7,000] |
| 208 | 0101402N | NAVY STRATEGIC COMMUNICATIONS | 49,424 | 49,424 |
| 209 | 0204136N | F/A–18 SQUADRONS | 238,974 | 242,974 |
| | | Jet Noise Reduction | | [4,000] |
| 210 | 0204228N | SURFACE SUPPORT | 12,197 | 12,197 |
| 211 | 0204229N | TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC). | 132,719 | 132,719 |
| 212 | 0204311N | INTEGRATED SURVEILLANCE SYSTEM | 68,417 | 82,917 |
| | | Deployable Surveillance System, Deep Water Active | | [14,500] |
| 213 | 0204313N | SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS | 1,188 | 1,188 |
| 214 | 0204413N | AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT). | 1,789 | 1,789 |
| 215 | 0204460M | GROUND/AIR TASK ORIENTED RADAR (G/ATOR) | 61,422 | 85,422 |
| | | G/ATOR air traffic control development—USMC UPL | | [24,000] |
| 216 | 0204571N | CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT | 70,339 | 70,339 |
| 217 | 0204575N | ELECTRONIC WARFARE (EW) READINESS SUPPORT | 47,436 | 47,436 |
| 218 | 0205601N | ANTI-RADIATION MISSILE IMPROVEMENT | 90,779 | 90,779 |
| 219 | 0205620N | SURFACE ASW COMBAT SYSTEM INTEGRATION | 28,999 | 28,999 |
| 220 | 0205632N | MK–48 ADCAP | 155,868 | 155,868 |
| 221 | 0205633N | AVIATION IMPROVEMENTS | 130,450 | 130,450 |
| 222 | 0205675N | OPERATIONAL NUCLEAR POWER SYSTEMS | 121,439 | 121,439 |
| 223 | 0206313M | MARINE CORPS COMMUNICATIONS SYSTEMS | 114,305 | 114,305 |
| | | Classified—USMC UPL | | [5,000] |
| | | Program decrease | | [–5,000] |
| 224 | 0206335M | COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S). | 14,865 | 14,865 |
| 225 | 0206623M | MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS. | 100,536 | 113,736 |

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | Program Increase—USMC UPL | | [6,600] |
| | | Tactical Warfare Simulation improvements—USMC UPL | | [6,600] |
| 226 | 0206624M | MARINE CORPS COMBAT SERVICES SUPPORT | 26,522 | 26,522 |
| 227 | 0206625M | USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP). | 51,976 | 51,976 |
| 228 | 0206629M | AMPHIBIOUS ASSAULT VEHICLE | 8,246 | 8,246 |
| 229 | 0207161N | TACTICAL AIM MISSILES | 29,236 | 29,236 |
| 230 | 0207163N | ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) | 30,898 | 30,898 |
| 231 | 0208043N | PLANNING AND DECISION AID SYSTEM (PDAS) | 3,609 | 3,609 |
| 236 | 0303138N | AFLOAT NETWORKS | 45,693 | 45,693 |
| 237 | 0303140N | INFORMATION SYSTEMS SECURITY PROGRAM | 33,752 | 33,752 |
| 238 | 0305192N | MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES | 8,415 | 8,415 |
| 239 | 0305204N | TACTICAL UNMANNED AERIAL VEHICLES | 10,576 | 10,576 |
| 240 | 0305205N | UAS INTEGRATION AND INTEROPERABILITY | 18,373 | 18,373 |
| 241 | 0305208M | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 45,705 | 41,705 |
| | | Program decrease | | [–4,000] |
| 242 | 0305220N | MQ–4C TRITON | 13,893 | –1,107 |
| | | Program decrease | | [–15,000] |
| 243 | 0305231N | MQ–8 UAV | | 13,100 |
| | | Costs associated with restoring 5 LCS | | [13,100] |
| 244 | 0305232M | RQ–11 UAV | 1,234 | 1,234 |
| 245 | 0305234N | SMALL (LEVEL 0) TACTICAL UAS (STUASL0) | 3,761 | 3,761 |
| 247 | 0305241N | MULTI-INTELLIGENCE SENSOR DEVELOPMENT | 56,261 | 56,261 |
| 248 | 0305242M | UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) | 9,780 | 9,780 |
| 249 | 0305251N | CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT | 36,505 | 36,505 |
| 250 | 0305421N | RQ–4 MODERNIZATION | 163,277 | 163,277 |
| 251 | 0307577N | INTELLIGENCE MISSION DATA (IMD) | 851 | 851 |
| 252 | 0308601N | MODELING AND SIMULATION SUPPORT | 9,437 | 24,437 |
| | | Multi-physics simulation | | [15,000] |
| 253 | 0702207N | DEPOT MAINTENANCE (NON-IF) | 26,248 | 26,248 |
| 254 | 0708730N | MARITIME TECHNOLOGY (MARITECH) | 2,133 | 2,133 |
| 255A | 9999999999 | CLASSIFIED PROGRAMS | 1,701,811 | 1,714,591 |
| | | Program increase | | [12,780] |
| | | **SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.** | **5,483,386** | **5,587,966** |
| | | **SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS** | | |
| 256 | 0608013N | RISK MANAGEMENT INFORMATION—SOFTWARE PILOT PROGRAM. | 12,810 | 12,810 |
| 257 | 0608231N | MARITIME TACTICAL COMMAND AND CONTROL (MTC2)—SOFTWARE PILOT PROGRAM. | 11,198 | 11,198 |
| | | **SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.** | **24,008** | **24,008** |
| | | **TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.** | **24,078,718** | **25,270,442** |
| | | **RESEARCH, DEVELOPMENT, TEST & EVAL, AF** | | |
| | | **BASIC RESEARCH** | | |
| 001 | 0601102F | DEFENSE RESEARCH SCIENCES | 375,325 | 455,397 |
| | | Drone medic platform | | [5,000] |
| | | Program increase | | [75,072] |
| 002 | 0601103F | UNIVERSITY RESEARCH INITIATIVES | 171,192 | 177,542 |
| | | CPF—Aeromedical Research Center | | [2,350] |
| | | CPF—GHz-THz Antenna Systems for Massive Data Transmissions in Real-Time. | | [4,000] |
| | | **SUBTOTAL BASIC RESEARCH** | **546,517** | **632,939** |
| | | **APPLIED RESEARCH** | | |
| 004 | 0602020F | FUTURE AF CAPABILITIES APPLIED RESEARCH | 88,672 | 88,672 |
| 005 | 0602102F | MATERIALS | 134,795 | 144,795 |
| | | Thermal protection for hypersonic vehicles | | [10,000] |
| 006 | 0602201F | AEROSPACE VEHICLE TECHNOLOGIES | 159,453 | 175,953 |
| | | Aeromechanics and integration | | [10,000] |
| | | Rapid aerospace fabrication technology | | [6,500] |
| 007 | 0602202F | HUMAN EFFECTIVENESS APPLIED RESEARCH | 135,771 | 160,842 |
| | | Digital engineering and prototype capability | | [20,071] |
| | | Program increase | | [5,000] |
| 008 | 0602203F | AEROSPACE PROPULSION | 172,861 | 172,861 |
| 009 | 0602204F | AEROSPACE SENSORS | 192,733 | 197,733 |
| | | Program increase | | [5,000] |
| 011 | 0602298F | SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES. | 8,856 | 8,856 |
| 012 | 0602602F | CONVENTIONAL MUNITIONS | 137,303 | 147,303 |
| | | Advanced hypersonic propulsion | | [10,000] |
| 013 | 0602605F | DIRECTED ENERGY TECHNOLOGY | 109,302 | 104,947 |
| | | AI-enabled decisionmaking | | [4,000] |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | Technical realignment | | [–8,355] |
| 014 | 0602788F | DOMINANT INFORMATION SCIENCES AND METHODS | 166,041 | 260,041 |
| | | AI for networks | | [10,000] |
| | | Internet of Things Laboratory | | [7,000] |
| | | Multi-Edge Computing Command and Control | | [12,000] |
| | | Program increase | | [10,000] |
| | | Quantum testbed | | [10,000] |
| | | Trapped ion quantum computer | | [30,000] |
| | | Trusted computing base for mission flight computer | | [5,000] |
| | | UAS traffic management | | [10,000] |
| | | **SUBTOTAL APPLIED RESEARCH** | **1,305,787** | **1,462,003** |
| | | **ADVANCED TECHNOLOGY DEVELOPMENT** | | |
| 016 | 0603032F | FUTURE AF INTEGRATED TECHNOLOGY DEMOS | 152,559 | 146,559 |
| | | Automated geospatial intelligence detection algorithm | | [9,000] |
| | | Insufficient justification | | [–15,000] |
| 017 | 0603112F | ADVANCED MATERIALS FOR WEAPON SYSTEMS | 29,116 | 53,116 |
| | | FSS & UWB radome production | | [9,000] |
| | | Metals Affordability Initiative | | [15,000] |
| 018 | 0603199F | SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T) | 10,695 | 10,695 |
| 019 | 0603203F | ADVANCED AEROSPACE SENSORS | 36,997 | 36,997 |
| 020 | 0603211F | AEROSPACE TECHNOLOGY DEV/DEMO | 54,727 | 86,820 |
| | | Airborne Missile Defense Beam Director Development and Flight Environmental Qualification. | | [10,000] |
| | | Modular Open Autonomous Software Testing | | [5,600] |
| | | Program increase | | [25,000] |
| | | Technical realignment | | [–8,507] |
| 021 | 0603216F | AEROSPACE PROPULSION AND POWER TECHNOLOGY | 64,254 | 96,511 |
| | | Attritable combat UAV propulsion | | [13,750] |
| | | Program increase | | [10,000] |
| | | Technical realignment | | [8,507] |
| 022 | 0603270F | ELECTRONIC COMBAT TECHNOLOGY | 33,380 | 48,380 |
| | | High speed expendable turboramjets | | [5,000] |
| | | Program increase | | [10,000] |
| 023 | 0603273F | SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS. | 39,431 | 39,431 |
| 026 | 0603456F | HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT. | 20,652 | 20,652 |
| 027 | 0603601F | CONVENTIONAL WEAPONS TECHNOLOGY | 187,374 | 187,374 |
| 028 | 0603605F | ADVANCED WEAPONS TECHNOLOGY | 98,503 | 98,503 |
| 029 | 0603680F | MANUFACTURING TECHNOLOGY PROGRAM | 47,759 | 69,759 |
| | | Agile Factory Floor for Depot Sustainment | | [8,000] |
| | | Carbon/carbon for hypersonics | | [10,000] |
| | | CPF—Additive Manufacturing and Ultra-High Performance Concrete. | | [4,000] |
| 030 | 0603788F | BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION. | 51,824 | 51,824 |
| | | **SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT**. | **827,271** | **946,621** |
| | | **ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES** | | |
| 031 | 0603036F | MODULAR ADVANCED MISSILE | 125,688 | 125,688 |
| 032 | 0603260F | INTELLIGENCE ADVANCED DEVELOPMENT | 6,101 | 6,101 |
| 033 | 0603742F | COMBAT IDENTIFICATION TECHNOLOGY | 17,318 | 17,318 |
| 034 | 0603790F | NATO RESEARCH AND DEVELOPMENT | 4,295 | 4,295 |
| 035 | 0603851F | INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL | 46,432 | 46,432 |
| 036 | 0604001F | NC3 ADVANCED CONCEPTS | 5,098 | 5,098 |
| 038 | 0604003F | ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS) | 231,408 | 200,408 |
| | | Program decrease | | [–31,000] |
| 039 | 0604004F | ADVANCED ENGINE DEVELOPMENT | 353,658 | 503,658 |
| | | AETP | | [150,000] |
| 040 | 0604006F | DEPT OF THE AIR FORCE TECH ARCHITECTURE | 66,615 | 66,615 |
| 041 | 0604015F | LONG RANGE STRIKE—BOMBER | 3,253,584 | 3,253,584 |
| 042 | 0604032F | DIRECTED ENERGY PROTOTYPING | 4,269 | 4,269 |
| 043 | 0604033F | HYPERSONICS PROTOTYPING | 431,868 | 172,547 |
| | | Flight in Relevant Environments (FIRE) increase | | [11,000] |
| | | Technical realignment | | [–270,321] |
| 044 | 0604183F | HYPERSONICS PROTOTYPING—HYPERSONIC ATTACK CRUISE MISSILE (HACM). | 144,891 | 461,778 |
| | | Technical realignment | | [316,887] |
| 045 | 0604201F | PNT RESILIENCY, MODS, AND IMPROVEMENTS | 12,010 | 12,010 |
| 046 | 0604257F | ADVANCED TECHNOLOGY AND SENSORS | 13,311 | 13,311 |
| 047 | 0604288F | SURVIVABLE AIRBORNE OPERATIONS CENTER | 203,213 | 203,213 |
| 048 | 0604317F | TECHNOLOGY TRANSFER | 16,759 | 16,759 |
| 049 | 0604327F | HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM. | 106,826 | 141,826 |
| | | Program Increase—Replace Expended Inventory | | [35,000] |

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**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 050 | 0604414F | CYBER RESILIENCY OF WEAPON SYSTEMS-ACS | 44,526 | 44,526 |
| 051 | 0604668F | JOINT TRANSPORTATION MANAGEMENT SYSTEM (JTMS) | 51,758 | 51,758 |
| 052 | 0604776F | DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D | 27,586 | 27,586 |
| 053 | 0604858F | TECH TRANSITION PROGRAM | 649,545 | 600,795 |
| | | Program increase | | [9,250] |
| | | Technical realignment | | [–58,000] |
| 054 | 0604860F | OPERATIONAL ENERGY AND INSTALLATION RESILIENCE | | 15,500 |
| | | Technical realignment | | [15,500] |
| 055 | 0605230F | GROUND BASED STRATEGIC DETERRENT | | 3,000 |
| | | ICBM transition readiness modeling and simulation | | [3,000] |
| 056 | 0207110F | NEXT GENERATION AIR DOMINANCE | 1,657,733 | 1,608,233 |
| | | Program decrease | | [–49,500] |
| 057 | 0207179F | AUTONOMOUS COLLABORATIVE PLATFORMS | 51,747 | 51,747 |
| 058 | 0207420F | COMBAT IDENTIFICATION | 1,866 | 1,866 |
| 059 | 0207455F | THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR) | 14,490 | 14,490 |
| 060 | 0207522F | AIRBASE AIR DEFENSE SYSTEMS (ABADS) | 52,498 | 48,498 |
| | | Program decrease | | [–4,000] |
| 061 | 0208030F | WAR RESERVE MATERIEL—AMMUNITION | 10,288 | 10,288 |
| 064 | 0305236F | COMMON DATA LINK EXECUTIVE AGENT (CDL EA) | 37,460 | 37,460 |
| 065 | 0305601F | MISSION PARTNER ENVIRONMENTS | 17,378 | 17,378 |
| 066 | 0306250F | CYBER OPERATIONS TECHNOLOGY SUPPORT | 234,576 | 286,476 |
| | | Joint Cyber Warfighting Architecture—CYBERCOM UPL | | [51,900] |
| 067 | 0306415F | ENABLED CYBER ACTIVITIES | 16,728 | 16,728 |
| 070 | 0808737F | CVV INTEGRATED PREVENTION | 9,315 | 9,315 |
| 071 | 0901410F | CONTRACTING INFORMATION TECHNOLOGY SYSTEM | 14,050 | 14,050 |
| 072 | 1206415F | U.S. SPACE COMMAND RESEARCH AND DEVELOPMENT SUPPORT. | 10,350 | 10,350 |
| | | **SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.** | **7,945,238** | **8,124,954** |
| | | **SYSTEM DEVELOPMENT & DEMONSTRATION** | | |
| 073 | 0604200F | FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS | 9,879 | 9,879 |
| 074 | 0604201F | PNT RESILIENCY, MODS, AND IMPROVEMENTS | 176,824 | 176,824 |
| 075 | 0604222F | NUCLEAR WEAPONS SUPPORT | 64,425 | 64,425 |
| 076 | 0604270F | ELECTRONIC WARFARE DEVELOPMENT | 2,222 | 2,222 |
| 077 | 0604281F | TACTICAL DATA NETWORKS ENTERPRISE | 133,117 | 133,117 |
| 078 | 0604287F | PHYSICAL SECURITY EQUIPMENT | 8,493 | 8,493 |
| 079 | 0604602F | ARMAMENT/ORDNANCE DEVELOPMENT | 5,279 | 5,279 |
| 080 | 0604604F | SUBMUNITIONS | 3,273 | 3,273 |
| 081 | 0604617F | AGILE COMBAT SUPPORT | 14,252 | 14,252 |
| 083 | 0604706F | LIFE SUPPORT SYSTEMS | 47,442 | 47,442 |
| 084 | 0604735F | COMBAT TRAINING RANGES | 91,284 | 91,284 |
| 086 | 0604932F | LONG RANGE STANDOFF WEAPON | 928,850 | 928,850 |
| 087 | 0604933F | ICBM FUZE MODERNIZATION | 98,376 | 98,376 |
| 088 | 0605030F | JOINT TACTICAL NETWORK CENTER (JTNC) | 2,222 | 2,222 |
| 089 | 0605056F | OPEN ARCHITECTURE MANAGEMENT | 38,222 | 38,222 |
| 090 | 0605223F | ADVANCED PILOT TRAINING | 37,121 | 37,121 |
| 091 | 0605229F | HH–60W | 58,974 | 58,974 |
| 092 | 0605238F | GROUND BASED STRATEGIC DETERRENT EMD | 3,614,290 | 3,614,290 |
| 094 | 0207171F | F–15 EPAWSS | 67,956 | 67,956 |
| 095 | 0207279F | ISOLATED PERSONNEL SURVIVABILITY AND RECOVERY | 27,881 | 27,881 |
| 096 | 0207328F | STAND IN ATTACK WEAPON | 283,152 | 283,152 |
| 097 | 0207701F | FULL COMBAT MISSION TRAINING | 3,028 | 12,528 |
| | | Airborne Augemented Reality | | [9,500] |
| 102 | 0401221F | KC–46A TANKER SQUADRONS | 197,510 | 197,510 |
| 103 | 0401319F | VC–25B | 492,932 | 392,932 |
| | | Program decrease | | [–100,000] |
| 104 | 0701212F | AUTOMATED TEST SYSTEMS | 16,664 | 16,664 |
| 105 | 0804772F | TRAINING DEVELOPMENTS | 15,138 | 15,138 |
| 107 | 1206442F | NEXT GENERATION OPIR | 148 | 148 |
| | | **SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.** | **6,438,954** | **6,348,454** |
| | | **MANAGEMENT SUPPORT** | | |
| 108 | 0604256F | THREAT SIMULATOR DEVELOPMENT | 21,067 | 56,067 |
| | | Program increase | | [35,000] |
| 109 | 0604759F | MAJOR T&E INVESTMENT | 44,714 | 74,714 |
| | | Program increase | | [30,000] |
| 110 | 0605101F | RAND PROJECT AIR FORCE | 37,921 | 37,921 |
| 111 | 0605502F | SMALL BUSINESS INNOVATION RESEARCH | 86 | 86 |
| 112 | 0605712F | INITIAL OPERATIONAL TEST & EVALUATION | 13,926 | 13,926 |
| 113 | 0605807F | TEST AND EVALUATION SUPPORT | 826,854 | 826,854 |
| 115 | 0605827F | ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS | 255,995 | 283,995 |
| | | Technical realignment | | [28,000] |
| 116 | 0605828F | ACQ WORKFORCE- GLOBAL REACH | 457,589 | 457,589 |
| 117 | 0605829F | ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS | 459,223 | 473,423 |
| | | Technical realignment | | [14,200] |
| 118 | 0605830F | ACQ WORKFORCE- GLOBAL BATTLE MGMT | 3,696 | 3,696 |

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|---|---|---|---|---|
| 119 | 0605831F | ACQ WORKFORCE- CAPABILITY INTEGRATION | 229,610 | 253,610 |
| | | Technical realignment | | [24,000] |
| 120 | 0605832F | ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY | 92,648 | 67,361 |
| | | Technical realignment | | [–25,287] |
| 121 | 0605833F | ACQ WORKFORCE- NUCLEAR SYSTEMS | 241,226 | 236,382 |
| | | Technical realignment | | [–4,844] |
| 122 | 0605898F | MANAGEMENT HQ—R&D | 4,347 | 5,624 |
| | | Technical realignment | | [1,277] |
| 123 | 0605976F | FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT. | 77,820 | 77,820 |
| 124 | 0605978F | FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT. | 31,561 | 31,561 |
| 125 | 0606017F | REQUIREMENTS ANALYSIS AND MATURATION | 101,844 | 101,844 |
| 126 | 0606398F | MANAGEMENT HQ—T&E | 6,285 | 6,285 |
| 127 | 0303166F | SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES. | 556 | 556 |
| 128 | 0303255F | COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4)—STRATCOM. | 15,559 | 35,559 |
| | | Establishment and initial operations of the NC3 Rapid Engineering Architecture Collaboration Hub (REACH). | | [20,000] |
| 129 | 0308602F | ENTEPRISE INFORMATION SERVICES (EIS) | 83,231 | 83,231 |
| 130 | 0702806F | ACQUISITION AND MANAGEMENT SUPPORT | 24,306 | 24,306 |
| 131 | 0804731F | GENERAL SKILL TRAINING | 871 | 871 |
| 134 | 1001004F | INTERNATIONAL ACTIVITIES | 2,593 | 2,593 |
| | | **SUBTOTAL MANAGEMENT SUPPORT** | **3,033,528** | **3,155,874** |
| | | **OPERATIONAL SYSTEMS DEVELOPMENT** | | |
| 136 | 0604233F | SPECIALIZED UNDERGRADUATE FLIGHT TRAINING | 18,037 | 18,037 |
| 138 | 0604617F | AGILE COMBAT SUPPORT | 8,199 | 8,199 |
| 139 | 0604776F | DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D | 156 | 156 |
| 140 | 0604840F | F–35 C2D2 | 1,014,708 | 1,014,708 |
| 141 | 0605018F | AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) | 37,901 | 32,901 |
| | | Insufficient justification | | [–5,000] |
| 142 | 0605024F | ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY | 50,066 | 50,066 |
| 143 | 0605117F | FOREIGN MATERIEL ACQUISITION AND EXPLOITATION | 80,338 | 80,338 |
| 144 | 0605278F | HC/MC–130 RECAP RDT&E | 47,994 | 17,994 |
| | | Program decrease | | [–30,000] |
| 145 | 0606018F | NC3 INTEGRATION | 23,559 | 23,559 |
| 147 | 0101113F | B–52 SQUADRONS | 770,313 | 689,313 |
| | | Program decrease | | [–81,000] |
| 148 | 0101122F | AIR-LAUNCHED CRUISE MISSILE (ALCM) | 571 | 571 |
| 149 | 0101126F | B–1B SQUADRONS | 13,144 | 30,144 |
| | | Hypersonic Integration Validation Testing | | [17,000] |
| 150 | 0101127F | B–2 SQUADRONS | 111,990 | 111,990 |
| 151 | 0101213F | MINUTEMAN SQUADRONS | 69,650 | 69,650 |
| 152 | 0101316F | WORLDWIDE JOINT STRATEGIC COMMUNICATIONS | 22,725 | 22,725 |
| 153 | 0101324F | INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK. | 3,180 | 3,180 |
| 154 | 0101328F | ICBM REENTRY VEHICLES | 118,616 | 118,616 |
| 156 | 0102110F | UH–1N REPLACEMENT PROGRAM | 17,922 | 17,922 |
| 157 | 0102326F | REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM. | 451 | 31,951 |
| | | Multi-Domain Operations modernization development | | [31,500] |
| 158 | 0102412F | NORTH WARNING SYSTEM (NWS) | 76,910 | 76,910 |
| 159 | 0102417F | OVER-THE-HORIZON BACKSCATTER RADAR | 12,210 | 17,210 |
| | | Ultra-wide band receiver | | [5,000] |
| 160 | 0202834F | VEHICLES AND SUPPORT EQUIPMENT—GENERAL | 14,483 | 14,483 |
| 161 | 0205219F | MQ–9 UAV | 98,499 | 98,499 |
| 162 | 0205671F | JOINT COUNTER RCIED ELECTRONIC WARFARE | 1,747 | 1,747 |
| 163 | 0207040F | MULTI-PLATFORM ELECTRONIC WARFARE EQUIPMENT | 23,195 | 30,195 |
| | | AI for EW | | [7,000] |
| 164 | 0207131F | A–10 SQUADRONS | 72,393 | 72,393 |
| 165 | 0207133F | F–16 SQUADRONS | 244,696 | 244,696 |
| 166 | 0207134F | F–15E SQUADRONS | 213,272 | 213,272 |
| 167 | 0207136F | MANNED DESTRUCTIVE SUPPRESSION | 16,695 | 16,695 |
| 168 | 0207138F | F–22A SQUADRONS | 559,709 | 559,709 |
| 169 | 0207142F | F–35 SQUADRONS | 70,730 | 70,730 |
| 170 | 0207146F | F–15EX | 83,830 | 83,830 |
| 171 | 0207161F | TACTICAL AIM MISSILES | 34,536 | 34,536 |
| 172 | 0207163F | ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) | 52,704 | 52,704 |
| 173 | 0207227F | COMBAT RESCUE—PARARESCUE | 863 | 863 |
| 174 | 0207247F | AF TENCAP | 23,309 | 23,309 |
| 175 | 0207249F | PRECISION ATTACK SYSTEMS PROCUREMENT | 12,722 | 12,722 |
| 176 | 0207253F | COMPASS CALL | 49,054 | 49,054 |
| 177 | 0207268F | AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM | 116,087 | 116,087 |
| 178 | 0207325F | JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM) | 117,198 | 129,198 |
| | | Software Update | | [12,000] |
| 179 | 0207327F | SMALL DIAMETER BOMB (SDB) | 27,713 | 77,713 |

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| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | Technology refresh & improvement—Air Force UPL | | [50,000] |
| 181 | 0207412F | CONTROL AND REPORTING CENTER (CRC) | 6,615 | 12,815 |
| | | Combat Air Intelligence Systems | | [6,200] |
| 182 | 0207417F | AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) | 239,658 | 237,658 |
| | | Early to need—communication network upgrade | | [–2,000] |
| 183 | 0207418F | AFSPECWAR—TACP | 5,982 | 5,982 |
| 185 | 0207431F | COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES | 23,504 | 23,504 |
| 186 | 0207438F | THEATER BATTLE MANAGEMENT (TBM) C4I | 5,851 | 5,851 |
| 187 | 0207439F | ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR). | 15,990 | 15,990 |
| 188 | 0207444F | TACTICAL AIR CONTROL PARTY-MOD | 10,315 | 10,315 |
| 189 | 0207452F | DCAPES | 8,049 | 8,049 |
| 190 | 0207521F | AIR FORCE CALIBRATION PROGRAMS | 2,123 | 2,123 |
| 192 | 0207573F | NATIONAL TECHNICAL NUCLEAR FORENSICS | 2,039 | 2,039 |
| 193 | 0207590F | SEEK EAGLE | 32,853 | 32,853 |
| 194 | 0207601F | USAF MODELING AND SIMULATION | 19,341 | 19,341 |
| 195 | 0207605F | WARGAMING AND SIMULATION CENTERS | 7,004 | 7,004 |
| 197 | 0207697F | DISTRIBUTED TRAINING AND EXERCISES | 4,628 | 4,628 |
| 198 | 0208006F | MISSION PLANNING SYSTEMS | 99,214 | 99,214 |
| 199 | 0208007F | TACTICAL DECEPTION | 17,074 | 17,074 |
| 200 | 0208064F | OPERATIONAL HQ—CYBER | 2,347 | 2,347 |
| 201 | 0208087F | DISTRIBUTED CYBER WARFARE OPERATIONS | 76,592 | 113,892 |
| | | Joint Cyber Warfighting Architecture—CYBERCOM UPL | | [37,300] |
| 202 | 0208088F | AF DEFENSIVE CYBERSPACE OPERATIONS | 8,367 | 8,367 |
| 203 | 0208097F | JOINT CYBER COMMAND AND CONTROL (JCC2) | 80,740 | 80,740 |
| 204 | 0208099F | UNIFIED PLATFORM (UP) | 107,548 | 107,548 |
| 208 | 0208288F | INTEL DATA APPLICATIONS | 1,065 | 1,065 |
| 209 | 0301025F | GEOBASE | 2,928 | 2,928 |
| 211 | 0301113F | CYBER SECURITY INTELLIGENCE SUPPORT | 8,972 | 8,972 |
| 218 | 0301401F | AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS. | 3,069 | 3,069 |
| 219 | 0302015F | E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) | 25,701 | 25,701 |
| 220 | 0303131F | MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN). | 41,171 | 41,171 |
| 221 | 0303140F | INFORMATION SYSTEMS SECURITY PROGRAM | 70,582 | 70,582 |
| 224 | 0303260F | JOINT MILITARY DECEPTION INITIATIVE | 2,588 | 2,588 |
| 226 | 0304260F | AIRBORNE SIGINT ENTERPRISE | 108,528 | 115,528 |
| | | Special Mission Airborne SIGINT Enterprise Technology | | [7,000] |
| 227 | 0304310F | COMMERCIAL ECONOMIC ANALYSIS | 4,542 | 4,542 |
| 230 | 0305015F | C2 AIR OPERATIONS SUITE—C2 INFO SERVICES | 8,097 | 8,097 |
| 231 | 0305020F | CCMD INTELLIGENCE INFORMATION TECHNOLOGY | 1,751 | 1,751 |
| 232 | 0305022F | ISR MODERNIZATION & AUTOMATION DVMT (IMAD) | 13,138 | 33,138 |
| | | All-domain multi-sensor and multi-intelligence data fusion | | [10,000] |
| | | Operationalize foreign language exploitation capabilities | | [10,000] |
| 233 | 0305099F | GLOBAL AIR TRAFFIC MANAGEMENT (GATM) | 4,895 | 4,895 |
| 234 | 0305103F | CYBER SECURITY INITIATIVE | 91 | 91 |
| 235 | 0305111F | WEATHER SERVICE | 11,716 | 21,716 |
| | | Commercial weather data pilot | | [10,000] |
| 236 | 0305114F | AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS). | 8,511 | 8,511 |
| 237 | 0305116F | AERIAL TARGETS | 1,365 | 1,365 |
| 240 | 0305128F | SECURITY AND INVESTIGATIVE ACTIVITIES | 223 | 223 |
| 241 | 0305146F | DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES | 8,328 | 8,328 |
| 243 | 0305179F | INTEGRATED BROADCAST SERVICE (IBS) | 22,123 | 22,123 |
| 244 | 0305202F | DRAGON U–2 | 20,170 | 20,170 |
| 245 | 0305206F | AIRBORNE RECONNAISSANCE SYSTEMS | 55,048 | 80,048 |
| | | Sensor Open Systems Architecture | | [20,000] |
| | | Wide Area Motion Imagery | | [5,000] |
| 246 | 0305207F | MANNED RECONNAISSANCE SYSTEMS | 14,590 | 14,590 |
| 247 | 0305208F | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 26,901 | 26,901 |
| 248 | 0305220F | RQ–4 UAV | 68,801 | 68,801 |
| 249 | 0305221F | NETWORK-CENTRIC COLLABORATIVE TARGETING | 17,564 | 17,564 |
| 250 | 0305238F | NATO AGS | 826 | 826 |
| 251 | 0305240F | SUPPORT TO DCGS ENTERPRISE | 28,774 | 28,774 |
| 252 | 0305600F | INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES. | 15,036 | 15,036 |
| 253 | 0305881F | RAPID CYBER ACQUISITION | 3,739 | 3,739 |
| 254 | 0305984F | PERSONNEL RECOVERY COMMAND & CTRL (PRC2) | 2,702 | 2,702 |
| 255 | 0307577F | INTELLIGENCE MISSION DATA (IMD) | 6,332 | 6,332 |
| 256 | 0401115F | C–130 AIRLIFT SQUADRON | 407 | 407 |
| 257 | 0401119F | C–5 AIRLIFT SQUADRONS (IF) | 6,100 | 6,100 |
| 258 | 0401130F | C–17 AIRCRAFT (IF) | 25,387 | 31,887 |
| | | IR Suppression | | [6,500] |
| 259 | 0401132F | C–130J PROGRAM | 11,060 | 21,060 |
| | | Winglets | | [10,000] |
| 260 | 0401134F | LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) | 2,909 | 2,909 |
| 261 | 0401218F | KC–135S | 12,955 | 12,955 |
| 262 | 0401318F | CV–22 | 10,121 | 10,121 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 263 | 0408011F | SPECIAL TACTICS / COMBAT CONTROL | 6,297 | 6,297 |
| 264 | 0708055F | MAINTENANCE, REPAIR & OVERHAUL SYSTEM | 19,892 | 23,892 |
| | | CPF—Aviation Training Academy of the Future | | [4,000] |
| 265 | 0708610F | LOGISTICS INFORMATION TECHNOLOGY (LOGIT) | 5,271 | 5,271 |
| 267 | 0804743F | OTHER FLIGHT TRAINING | 2,214 | 2,214 |
| 269 | 0901202F | JOINT PERSONNEL RECOVERY AGENCY | 2,164 | 2,164 |
| 270 | 0901218F | CIVILIAN COMPENSATION PROGRAM | 4,098 | 4,098 |
| 271 | 0901220F | PERSONNEL ADMINISTRATION | 3,191 | 3,191 |
| 272 | 0901226F | AIR FORCE STUDIES AND ANALYSIS AGENCY | 899 | 899 |
| 273 | 0901538F | FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT. | 5,421 | 5,421 |
| 276 | 1202140F | SERVICE SUPPORT TO SPACECOM ACTIVITIES | 13,766 | 13,766 |
| 276A | 9999999999 | CLASSIFIED PROGRAMS | 17,240,641 | 17,271,641 |
| | | Program increase | | [31,000] |
| | | **SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.** | **23,090,569** | **23,252,069** |
| | | **SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS** | | |
| 278 | 0608158F | STRATEGIC MISSION PLANNING AND EXECUTION SYSTEM—SOFTWARE PILOT PROGRAM. | 100,167 | 100,167 |
| 279 | 0608410F | AIR & SPACE OPERATIONS CENTER (AOC)—SOFTWARE PILOT PROGRAM. | 177,827 | 177,827 |
| 280 | 0608920F | DEFENSE ENTERPRISE ACCOUNTING AND MANAGEMENT SYSTEM (DEAMS)—SOFTWARE PILOT PRO. | 136,202 | 136,202 |
| 281 | 0208087F | DISTRIBUTED CYBER WARFARE OPERATIONS | 37,346 | 0 |
| | | Technical realignment | | [–37,346] |
| 282 | 0308605F | AIR FORCE DEFENSIVE CYBER SYSTEMS (AFDCS)—SOFTWARE PILOT PROGRAM. | 240,926 | 240,926 |
| 283 | 0308606F | ALL DOMAIN COMMON PLATFORM (ADCP)—SOFTWARE PILOT PROGRAM. | 190,112 | 190,112 |
| 284 | 0308607F | AIR FORCE WEATHER PROGRAMS—SOFTWARE PILOT PROGRAM. | 58,063 | 58,063 |
| 285 | 0308608F | ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)—SOFTWARE PILOT PROGRAM. | 5,794 | 5,794 |
| | | **SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.** | **946,437** | **909,091** |
| | | **TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF.** | **44,134,301** | **44,832,005** |
| | | **RDTE, SPACE FORCE** | | |
| | | **APPLIED RESEARCH** | | |
| 002 | 1206601SF | SPACE TECHNOLOGY | 243,737 | 278,892 |
| | | Advanced Analog Microelectronics | | [6,800] |
| | | AI for space technology | | [5,000] |
| | | Technical realignment | | [8,355] |
| | | University Consortia for Space Technology | | [15,000] |
| | | **SUBTOTAL APPLIED RESEARCH** | **243,737** | **278,892** |
| | | **ADVANCED TECHNOLOGY DEVELOPMENT** | | |
| 003 | 1206310SF | SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT. | 460,820 | 526,820 |
| | | Defense in depth as mission assurance for spacecraft | | [20,000] |
| | | Multilevel, Secure, Autonomous Mission Operations at AFRL | | [20,000] |
| | | Program increase | | [26,000] |
| 004 | 1206616SF | SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO | 103,395 | 80,168 |
| | | Reduce follow-on tranches | | [–26,000] |
| | | Technical realignment | | [2,773] |
| | | **SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.** | **564,215** | **606,988** |
| | | **ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES** | | |
| 005 | 0604002SF | SPACE FORCE WEATHER SERVICES RESEARCH | 816 | 816 |
| 006 | 1203164SF | NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE). | 382,594 | 382,594 |
| 007 | 1203622SF | SPACE WARFIGHTING ANALYSIS | 44,791 | 44,791 |
| 008 | 1203710SF | EO/IR WEATHER SYSTEMS | 96,519 | 96,519 |
| 010 | 1206410SF | SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING | 986,822 | 990,822 |
| | | C2BMC integration | | [4,000] |
| 012 | 1206425SF | SPACE SITUATION AWARENESS SYSTEMS | 230,621 | 230,621 |
| 013 | 1206427SF | SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT) | 106,252 | 106,252 |
| 014 | 1206438SF | SPACE CONTROL TECHNOLOGY | 57,953 | 69,953 |
| | | Program increase | | [12,000] |
| 016 | 1206730SF | SPACE SECURITY AND DEFENSE PROGRAM | 59,169 | 59,169 |
| 017 | 1206760SF | PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) | 121,069 | 121,069 |
| 018 | 1206761SF | PROTECTED TACTICAL SERVICE (PTS) | 294,828 | 294,828 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 019 | 1206855SF | EVOLVED STRATEGIC SATCOM (ESS) | 565,597 | 565,597 |
| 020 | 1206857SF | SPACE RAPID CAPABILITIES OFFICE | 45,427 | 45,427 |
| | | **SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.** | **2,992,458** | **3,008,458** |
| | | **SYSTEM DEVELOPMENT & DEMONSTRATION** | | |
| 021 | 1203269SF | GPS III FOLLOW-ON (GPS IIIF) | 325,927 | 325,927 |
| 022 | 1203940SF | SPACE SITUATION AWARENESS OPERATIONS | 49,628 | 49,628 |
| 023 | 1206421SF | COUNTERSPACE SYSTEMS | 21,848 | 21,848 |
| 024 | 1206422SF | WEATHER SYSTEM FOLLOW-ON | 48,870 | 48,870 |
| 025 | 1206425SF | SPACE SITUATION AWARENESS SYSTEMS | 105,140 | 105,140 |
| 026 | 1206431SF | ADVANCED EHF MILSATCOM (SPACE) | 11,701 | 11,701 |
| 027 | 1206432SF | POLAR MILSATCOM (SPACE) | 67,465 | 67,465 |
| 028 | 1206433SF | WIDEBAND GLOBAL SATCOM (SPACE) | 48,438 | 48,438 |
| 029 | 1206440SF | NEXT-GEN OPIR—GROUND | | 612,529 |
| | | Technical realignment | | [612,529] |
| 030 | 1206442SF | NEXT GENERATION OPIR | 3,479,459 | 253,801 |
| | | Technical realignment | | [–3,225,658] |
| 031 | 1206443SF | NEXT-GEN OPIR—GEO | | 1,713,933 |
| | | Technical realignment | | [1,713,933] |
| 032 | 1206444SF | NEXT-GEN OPIR—POLAR | | 899,196 |
| | | Technical realignment | | [899,196] |
| 033 | 1206445SF | COMMERCIAL SATCOM (COMSATCOM) INTEGRATION | 23,513 | 23,513 |
| 034 | 1206446SF | RESILIENT MISSILE WARNING MISSILE TRACKING—LOW EARTH ORBIT (LEO). | 499,840 | 525,637 |
| | | Technical realignment | | [25,797] |
| 035 | 1206447SF | RESILIENT MISSILE WARNING MISSILE TRACKING—MEDIUM EARTH ORBIT (MEO). | 139,131 | 303,930 |
| | | Technical realignment | | [164,799] |
| 036 | 1206448SF | RESILIENT MISSILE WARNING MISSILE TRACKING—INTEGRATED GROUND SEGMENT. | 390,596 | 0 |
| | | Technical realignment | | [–390,596] |
| 037 | 1206853SF | NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD. | 124,103 | 154,103 |
| | | Increase EMD for NSSL Phase 3 and beyond activities | | [30,000] |
| | | **SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.** | **5,335,659** | **5,165,659** |
| | | **MANAGEMENT SUPPORT** | | |
| 039 | 1206116SF | SPACE TEST AND TRAINING RANGE DEVELOPMENT | 21,453 | 21,453 |
| 040 | 1206392SF | ACQ WORKFORCE—SPACE & MISSILE SYSTEMS | 253,716 | 253,716 |
| 041 | 1206398SF | SPACE & MISSILE SYSTEMS CENTER—MHA | 13,962 | 20,962 |
| | | Spacelift Range System improvements | | [7,000] |
| 042 | 1206616SF | SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO | 2,773 | 0 |
| | | Technical realignment | | [–2,773] |
| 043 | 1206759SF | MAJOR T&E INVESTMENT—SPACE | 89,751 | 89,751 |
| 044 | 1206860SF | ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) | 17,922 | 17,922 |
| 045 | 1206862SF | TACTICALLY RESPONSIVE LAUNCH | | 100,000 |
| | | Continue Tactically Responsive Space | | [75,000] |
| | | Program increase | | [25,000] |
| 046 | 1206864SF | SPACE TEST PROGRAM (STP) | 25,366 | 25,366 |
| | | **SUBTOTAL MANAGEMENT SUPPORT** | **424,943** | **529,170** |
| | | **OPERATIONAL SYSTEM DEVELOPMENT** | | |
| 048 | 1201017SF | GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) | 5,321 | 5,321 |
| 049 | 1203001SF | FAMILY OF ADVANCED BLOS TERMINALS (FAB-T) | 128,243 | 128,243 |
| 050 | 1203040SF | DCO-SPACE | 28,162 | 28,162 |
| 051 | 1203109SF | NARROWBAND SATELLITE COMMUNICATIONS | 165,892 | 165,892 |
| 052 | 1203110SF | SATELLITE CONTROL NETWORK (SPACE) | 42,199 | 42,199 |
| 053 | 1203165SF | NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS). | 2,062 | 2,062 |
| 054 | 1203173SF | SPACE AND MISSILE TEST AND EVALUATION CENTER | 4,157 | 4,157 |
| 055 | 1203174SF | SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT. | 38,103 | 38,103 |
| 056 | 1203182SF | SPACELIFT RANGE SYSTEM (SPACE) | 11,658 | 11,658 |
| 057 | 1203265SF | GPS III SPACE SEGMENT | 1,626 | 1,626 |
| 058 | 1203330SF | SPACE SUPERIORITY ISR | 29,128 | 29,128 |
| 059 | 1203620SF | NATIONAL SPACE DEFENSE CENTER | 2,856 | 2,856 |
| 060 | 1203873SF | BALLISTIC MISSILE DEFENSE RADARS | 18,615 | 18,615 |
| 061 | 1203906SF | NCMC—TW/AA SYSTEM | 7,274 | 7,274 |
| 062 | 1203913SF | NUDET DETECTION SYSTEM (SPACE) | 80,429 | 80,429 |
| 063 | 1203940SF | SPACE SITUATION AWARENESS OPERATIONS | 80,903 | 85,903 |
| | | Program increase | | [5,000] |
| 064 | 1206423SF | GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT. | 359,720 | 359,720 |
| 068 | 1206770SF | ENTERPRISE GROUND SERVICES | 123,601 | 123,601 |
| 068A | 9999999999 | CLASSIFIED PROGRAMS | 4,973,358 | 4,927,058 |
| | | Funding early to need | | [–379,300] |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | INDOPACOM Space Control | | [308,000] |
| | | Program adjustment | | [25,000] |
| | | **SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT** | **6,103,307** | **6,062,007** |
| | | **SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS** | | |
| 070 | 1208248SF | SPACE COMMAND & CONTROL—SOFTWARE PILOT PROGRAM. | 155,053 | 155,053 |
| | | **SUBTOTAL SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS.** | **155,053** | **155,053** |
| | | **TOTAL RDTE, SPACE FORCE** | **15,819,372** | **15,806,227** |
| | | **RESEARCH, DEVELOPMENT, TEST & EVAL, DW** | | |
| | | **BASIC RESEARCH** | | |
| 001 | 0601000BR | DTRA BASIC RESEARCH | 11,584 | 11,584 |
| 002 | 0601101E | DEFENSE RESEARCH SCIENCES | 401,870 | 495,444 |
| | | AI for supply chain | | [4,100] |
| | | Math and Computer Science | | [5,000] |
| | | Program increase | | [84,474] |
| 003 | 0601108D8Z | HIGH ENERGY LASER RESEARCH INITIATIVES | 16,257 | 16,257 |
| 004 | 0601110D8Z | BASIC RESEARCH INITIATIVES | 62,386 | 184,686 |
| | | CPF—FIU/SOUTHCOM Security Research Hub / Enhanced Domain Awareness (EDA) Initiative. | | [1,300] |
| | | CPF—HBCU Training for the Future of Aerospace | | [1,000] |
| | | Future G | | [100,000] |
| | | MINERVA | | [20,000] |
| 005 | 0601117E | BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE | 80,874 | 80,874 |
| 006 | 0601120D8Z | NATIONAL DEFENSE EDUCATION PROGRAM | 132,347 | 168,347 |
| | | Community colleges | | [5,000] |
| | | CPF—Florida Memorial Avionics Smart Scholars | | [1,000] |
| | | SMART | | [30,000] |
| 007 | 0601228D8Z | HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS. | 33,288 | 111,711 |
| | | CPF—Augmenting Quantum Sensing Research, Education and Training in DoD CoE at DSU. | | [1,111] |
| | | CPF—Florida Memorial University Department of Natural Sciences STEM Equipment. | | [600] |
| | | Program increase | | [76,712] |
| 008 | 0601384BP | CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM | 34,734 | 34,734 |
| | | **SUBTOTAL BASIC RESEARCH** | **773,340** | **1,103,637** |
| | | **APPLIED RESEARCH** | | |
| 010 | 0602000D8Z | JOINT MUNITIONS TECHNOLOGY | 18,961 | 18,961 |
| 011 | 0602115E | BIOMEDICAL TECHNOLOGY | 106,958 | 114,658 |
| | | Next-Generation Combat Casualty Care | | [7,700] |
| 012 | 0602128D8Z | PROMOTION AND PROTECTION STRATEGIES | 3,275 | 3,275 |
| 014 | 0602230D8Z | DEFENSE TECHNOLOGY INNOVATION | 20,634 | 20,634 |
| 015 | 0602234D8Z | LINCOLN LABORATORY RESEARCH PROGRAM | 46,159 | 46,159 |
| 016 | 0602251D8Z | APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES. | 67,666 | 67,666 |
| 017 | 0602303E | INFORMATION & COMMUNICATIONS TECHNOLOGY | 388,270 | 418,270 |
| | | Artificial Intelligence and Human-Machine Symbiosis | | [5,000] |
| | | Cyber security | | [5,000] |
| | | Underexplored Systems for Utility-Scale Quantum Computing | | [20,000] |
| 018 | 0602383E | BIOLOGICAL WARFARE DEFENSE | 23,059 | 23,059 |
| 019 | 0602384BP | CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM | 256,197 | 334,697 |
| | | Program increase | | [78,500] |
| 020 | 0602668D8Z | CYBER SECURITY RESEARCH | 17,264 | 17,264 |
| 021 | 0602675D8Z | SOCIAL SCIENCES FOR ENVIRONMENTAL SECURITY | 4,000 | 4,000 |
| 022 | 0602702E | TACTICAL TECHNOLOGY | 221,883 | 261,883 |
| | | Information Analytics Technology | | [5,000] |
| | | MAD-FIRES | | [35,000] |
| 023 | 0602715E | MATERIALS AND BIOLOGICAL TECHNOLOGY | 352,976 | 355,276 |
| | | Expanding Human Resiliency | | [2,300] |
| 024 | 0602716E | ELECTRONICS TECHNOLOGY | 557,745 | 557,745 |
| 025 | 0602718BR | COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH. | 192,162 | 192,162 |
| 026 | 0602751D8Z | SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH. | 11,030 | 11,030 |
| 027 | 0602890D8Z | HIGH ENERGY LASER RESEARCH | 48,587 | 68,587 |
| | | Program increase | | [20,000] |
| 028 | 1160401BB | SOF TECHNOLOGY DEVELOPMENT | 49,174 | 49,174 |
| | | **SUBTOTAL APPLIED RESEARCH** | **2,386,000** | **2,564,500** |
| | | **ADVANCED TECHNOLOGY DEVELOPMENT** | | |
| 029 | 0603000D8Z | JOINT MUNITIONS ADVANCED TECHNOLOGY | 34,065 | 84,065 |
| | | Munitions technology development | | [50,000] |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**
**(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| 030 | 0603121D8Z | SO/LIC ADVANCED DEVELOPMENT | 4,919 | 4,919 |
| 031 | 0603122D8Z | COMBATING TERRORISM TECHNOLOGY SUPPORT | 72,614 | 92,614 |
| | | United States-Israel Cooperation to Counter Unmanned Aerial Systems. | | [15,000] |
| | | VTOL Loitering Munition (ROC-X) | | [5,000] |
| 032 | 0603133D8Z | FOREIGN COMPARATIVE TESTING | 26,802 | 26,802 |
| 034 | 0603160BR | COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT. | 395,721 | 395,721 |
| 035 | 0603176BR | ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT | 6,505 | 6,505 |
| 036 | 0603176C | ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT | 16,737 | 31,737 |
| | | IAMD/OSG AIS F–35 Event Preparation | | [10,000] |
| | | Kill Chain Performance Assessment Capability | | [5,000] |
| 037 | 0603180C | ADVANCED RESEARCH | 22,023 | 50,023 |
| | | Benzoxazine High-Mach System Thermal Protection | | [4,000] |
| | | High Temperature Nickel Based Alloy research | | [4,000] |
| | | Sounding Rocket Testbed Technology Maturation Tests | | [20,000] |
| 038 | 0603183D8Z | JOINT HYPERSONIC TECHNOLOGY DEVELOPMENT &TRANSITION. | 52,156 | 72,156 |
| | | Accelerate co-development of key partner programs | | [20,000] |
| 039 | 0603225D8Z | JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT | 18,898 | 18,898 |
| 040 | 0603286E | ADVANCED AEROSPACE SYSTEMS | 253,135 | 410,435 |
| | | GlideBreaker | | [20,000] |
| | | MoHAWC | | [60,000] |
| | | OpFires | | [42,300] |
| | | Tactical Boost Glide (TBG) | | [35,000] |
| 041 | 0603287E | SPACE PROGRAMS AND TECHNOLOGY | 81,888 | 81,888 |
| 042 | 0603288D8Z | ANALYTIC ASSESSMENTS | 24,052 | 24,052 |
| 043 | 0603289D8Z | ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS | 53,890 | 68,890 |
| | | Emerging opportunities | | [15,000] |
| 046 | 0603338D8Z | DEFENSE MODERNIZATION AND PROTOTYPING | 141,561 | 176,561 |
| | | Program increase | | [35,000] |
| 047 | 0603342D8Z | DEFENSE INNOVATION UNIT (DIU) | 42,925 | 106,002 |
| | | AI for small unit maneuver | | [2,500] |
| | | Hybrid space architecture | | [5,577] |
| | | Joint programs | | [10,000] |
| | | National Security Innovation Capital | | [15,000] |
| | | Program increase | | [25,000] |
| | | Small craft electric propulsion | | [5,000] |
| 048 | 0603375D8Z | TECHNOLOGY INNOVATION | 109,535 | 469,535 |
| | | Accelerating quantum applications | | [200,000] |
| | | AHI | | [30,000] |
| | | Domestic Supply Chain for Microelectronics Critical Element Production. | | [100,000] |
| | | Future G Open Edge Computing Challenge | | [30,000] |
| 049 | 0603384BP | CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT. | 238,407 | 253,407 |
| | | Biological Defense Vaccines and Advanced Therapeutics | | [15,000] |
| 050 | 0603527D8Z | RETRACT LARCH | 79,493 | 79,493 |
| 051 | 0603618D8Z | JOINT ELECTRONIC ADVANCED TECHNOLOGY | 19,218 | 19,218 |
| 052 | 0603648D8Z | JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS | 114,100 | 114,100 |
| 053 | 0603662D8Z | NETWORKED COMMUNICATIONS CAPABILITIES | 3,168 | 3,168 |
| 054 | 0603680D8Z | DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM. | 256,142 | 1,268,142 |
| | | Advanced textiles | | [10,000] |
| | | Biotechnology Manufacturing Institutes | | [500,000] |
| | | CPF—Future Nano and Micro-Fabrication - Advanced Materials Engineering Research Institute. | | [4,000] |
| | | CPF—Manufacturing of Advanced Composites for Hypersonics – Aided by Digital Engineering. | | [4,000] |
| | | CPF—Scalable comprehensive workforce readiness initiatives in bioindustrial manufacturing that lead to regional bioeconomic transformation and growth. | | [4,000] |
| | | HPC-enabled advanced manufacturing | | [30,000] |
| | | Increase Production Capacity for Hypersonics | | [25,000] |
| | | Munitions technology development | | [50,000] |
| | | Munitions technology development (Acquisition & Sustainment) | | [200,000] |
| | | Munitions technology development (Research & Engineering) | | [100,000] |
| | | New bioproducts | | [10,000] |
| | | Silicon carbide matrix materials for hypersonics | | [50,000] |
| | | Silicon-based lasers | | [10,000] |
| | | Tools and methods to improve biomanufacturing | | [15,000] |
| 055 | 0603680S | MANUFACTURING TECHNOLOGY PROGRAM | 46,166 | 51,166 |
| | | AI-based market research | | [5,000] |
| 056 | 0603712S | GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS | 13,663 | 13,663 |
| 057 | 0603716D8Z | STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM | 58,411 | 63,411 |
| | | SERDP- PFAS remediation technologies | | [5,000] |
| 058 | 0603720S | MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT. | 139,833 | 139,833 |

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|---|---|---|---|---|
| 059 | 0603727D8Z | JOINT WARFIGHTING PROGRAM | 2,411 | 2,411 |
| 060 | 0603739E | ADVANCED ELECTRONICS TECHNOLOGIES | 250,917 | 260,917 |
| | | Low SWAP INU development | | [10,000] |
| 061 | 0603760E | COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS | 305,050 | 315,050 |
| | | Composable Logistics and Information Omniscience | | [10,000] |
| 062 | 0603766E | NETWORK-CENTRIC WARFARE TECHNOLOGY | 678,562 | 758,562 |
| | | ABII | | [50,000] |
| | | Classified Program | | [15,000] |
| | | Ocean of Things Phase 3 | | [15,000] |
| 063 | 0603767E | SENSOR TECHNOLOGY | 314,502 | 314,502 |
| 064 | 0603769D8Z | DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT. | 201 | 201 |
| 065 | 0603781D8Z | SOFTWARE ENGINEERING INSTITUTE | 13,417 | 13,417 |
| 066 | 0603924D8Z | HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM | 111,149 | 166,149 |
| | | Program increase | | [30,000] |
| | | Short pulse laser research | | [25,000] |
| 067 | 0603941D8Z | TEST & EVALUATION SCIENCE & TECHNOLOGY | 315,090 | 350,090 |
| | | Program increase | | [35,000] |
| 068 | 0603950D8Z | NATIONAL SECURITY INNOVATION NETWORK | 22,028 | 74,028 |
| | | High energy laser power beaming | | [7,000] |
| | | Mission acceleration centers | | [20,000] |
| | | Program increase | | [15,000] |
| | | TRISO advanced nuclear fuel | | [10,000] |
| 069 | 0604055D8Z | OPERATIONAL ENERGY CAPABILITY IMPROVEMENT | 180,170 | 195,170 |
| | | Operational Energy Capability Improvement | | [15,000] |
| 072 | 1160402BB | SOF ADVANCED TECHNOLOGY DEVELOPMENT | 118,877 | 125,877 |
| | | Next Generation ISR SOF Enhancement/ Technical Support Systems. | | [7,000] |
| | | **SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.** | **4,638,401** | **6,702,778** |
| | | **ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES** | | |
| 074 | 0603161D8Z | NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P. | 41,507 | 41,507 |
| 075 | 0603600D8Z | WALKOFF | 133,795 | 133,795 |
| 076 | 0603851D8Z | ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM. | 84,638 | 95,638 |
| | | ESTCP—3D printed infrastructure | | [5,000] |
| | | ESTCP—PFAS Disposal | | [5,000] |
| | | ESTCP—PFAS free fire fighting turnout gear | | [1,000] |
| 077 | 0603881C | BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT. | 190,216 | 190,216 |
| 078 | 0603882C | BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT. | 667,524 | 667,524 |
| 079 | 0603884BP | CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL. | 291,364 | 291,364 |
| 080 | 0603884C | BALLISTIC MISSILE DEFENSE SENSORS | 231,134 | 242,334 |
| | | BMDS Radars Modeling and Simulation | | [4,200] |
| | | HEMP Hardening | | [7,000] |
| 081 | 0603890C | BMD ENABLING PROGRAMS | 591,847 | 717,847 |
| | | Digital Engineering to Support NGI Transition | | [17,000] |
| | | Elevated Fire control Sensor | | [27,000] |
| | | Kill Chain Demonstration | | [51,000] |
| | | NGI Modeling and Threat Scenarios | | [21,000] |
| | | Support Equipment for FTX–26 and NGI Testing | | [10,000] |
| 082 | 0603891C | SPECIAL PROGRAMS—MDA | 316,977 | 387,977 |
| | | Classified program increase—UPL | | [71,000] |
| 083 | 0603892C | AEGIS BMD | 600,072 | 600,072 |
| 084 | 0603896C | BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI. | 589,374 | 648,624 |
| | | Classified program increase—UPL | | [50,000] |
| | | Network Refresh | | [6,500] |
| | | SATCOM Link Security—PAAWNS TRANSEC Module | | [2,750] |
| 085 | 0603898C | BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT. | 50,269 | 50,269 |
| 086 | 0603904C | MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC). | 49,367 | 49,367 |
| 087 | 0603906C | REGARDING TRENCH | 12,146 | 12,146 |
| 088 | 0603907C | SEA BASED X-BAND RADAR (SBX) | 164,668 | 164,668 |
| 089 | 0603913C | ISRAELI COOPERATIVE PROGRAMS | 300,000 | 300,000 |
| 090 | 0603914C | BALLISTIC MISSILE DEFENSE TEST | 367,824 | 367,824 |
| 091 | 0603915C | BALLISTIC MISSILE DEFENSE TARGETS | 559,513 | 729,513 |
| | | Advanced Reactive Target Simulation Development | | [20,000] |
| | | Hypersonic Maneuvering Extended Range (HMER) Target System. | | [150,000] |
| 092 | 0603923D8Z | COALITION WARFARE | 11,154 | 11,154 |
| 093 | 0604011D8Z | NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G). | 249,591 | 284,591 |

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|---|---|---|---|---|
| | | Next Generation Information (5G) | | [35,000] |
| 094 | 0604016D8Z | DEPARTMENT OF DEFENSE CORROSION PROGRAM | 3,166 | 3,166 |
| 095 | 0604102C | GUAM DEFENSE DEVELOPMENT | 397,936 | 397,936 |
| 096 | 0604115C | TECHNOLOGY MATURATION INITIATIVES | | 35,000 |
| | | Continue Diode Pumped Alkali Laser Development | | [25,000] |
| | | Program increase | | [10,000] |
| 097 | 0604124D8Z | CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—MIP. | 33,950 | 33,950 |
| 099 | 0604181C | HYPERSONIC DEFENSE | 225,477 | 542,977 |
| | | Accelerate Glide Phase Interceptor program | | [292,500] |
| | | Disruptive Technologies | | [25,000] |
| 100 | 0604250D8Z | ADVANCED INNOVATIVE TECHNOLOGIES | 1,145,358 | 1,274,858 |
| | | Powered Quickstrike Mines (Sea Urchin) | | [30,000] |
| | | Program increase | | [80,000] |
| | | Service Tactical SIGINT Upgrades—INDOPACOM UPL | | [9,500] |
| | | Short Pulse Laser Directed Energy Demonstration | | [10,000] |
| 101 | 0604294D8Z | TRUSTED & ASSURED MICROELECTRONICS | 647,226 | 652,226 |
| | | Trusted & Assured Microelectronics | | [5,000] |
| 102 | 0604331D8Z | RAPID PROTOTYPING PROGRAM | 179,189 | 204,189 |
| | | Energetics | | [5,000] |
| | | Program increase | | [20,000] |
| 103 | 0604341D8Z | DEFENSE INNOVATION UNIT (DIU) PROTOTYPING | 24,402 | 37,402 |
| | | AI/ML-enabled OSINT for information effects | | [4,000] |
| | | Assured Defense Avionics | | [5,000] |
| | | Information environment | | [4,000] |
| 104 | 0604400D8Z | DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT. | 2,691 | 2,691 |
| 105 | 0604551BR | CATAPULT | 7,130 | 27,130 |
| | | Radiation-Hardened Fully-Depleted Silicon-on-Insulator Microelectronics. | | [20,000] |
| 106 | 0604555D8Z | OPERATIONAL ENERGY CAPABILITY IMPROVEMENT—NON S&T. | 45,779 | 50,779 |
| | | Operational Energy Capability Improvement- Prototyping | | [5,000] |
| 108 | 0604682D8Z | WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA). | 3,229 | 3,229 |
| 109 | 0604826J | JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS. | 40,699 | 40,699 |
| 110 | 0604873C | LONG RANGE DISCRIMINATION RADAR (LRDR) | 75,120 | 75,120 |
| 111 | 0604874C | IMPROVED HOMELAND DEFENSE INTERCEPTORS | 1,833,357 | 1,833,357 |
| 112 | 0604876C | BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST. | 69,762 | 69,762 |
| 113 | 0604878C | AEGIS BMD TEST | 182,776 | 192,776 |
| | | Continued participation in ASD–23 | | [10,000] |
| 114 | 0604879C | BALLISTIC MISSILE DEFENSE SENSOR TEST | 88,326 | 88,326 |
| 115 | 0604880C | LAND-BASED SM–3 (LBSM3) | 27,678 | 27,678 |
| 116 | 0604887C | BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST | 84,075 | 84,075 |
| 117 | 0202057C | SAFETY PROGRAM MANAGEMENT | 2,417 | 2,417 |
| 118 | 0300206R | ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS | 2,664 | 2,664 |
| 120 | 0305103C | CYBER SECURITY INITIATIVE | 1,165 | 33,165 |
| | | Mobile nuclear microreactors | | [12,000] |
| | | Program increase | | [20,000] |
| 123 | 1206895C | BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS | 129,957 | 305,957 |
| | | HBTSS Payload Continued Development beyond Phase IIb | | [166,000] |
| | | MDSEA DEVSECOPS | | [10,000] |
| | | **SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.** | **10,756,509** | **12,007,959** |
| | | **SYSTEM DEVELOPMENT & DEMONSTRATION** | | |
| 124 | 0604123D8Z | CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—DEM/VAL ACTIVITIES. | 273,340 | 368,340 |
| | | CDAO | | [50,000] |
| | | Software integration | | [45,000] |
| 125 | 0604161D8Z | NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD. | 6,482 | 6,482 |
| 127 | 0604384BP | CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD | 312,148 | 312,148 |
| 128 | 0604771D8Z | JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS). | 9,120 | 9,120 |
| 129 | 0605000BR | COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT. | 14,403 | 14,403 |
| 130 | 0605013BL | INFORMATION TECHNOLOGY DEVELOPMENT | 1,244 | 1,244 |
| 131 | 0605021SE | HOMELAND PERSONNEL SECURITY INITIATIVE | 6,191 | 6,191 |
| 132 | 0605022D8Z | DEFENSE EXPORTABILITY PROGRAM | 10,145 | 10,145 |
| 133 | 0605027D8Z | OUSD(C) IT DEVELOPMENT INITIATIVES | 5,938 | 5,938 |
| 136 | 0605080S | DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM | 23,171 | 23,171 |
| 137 | 0605141BR | MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS). | 14,093 | 14,093 |
| 138 | 0605210D8Z | DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES. | 6,949 | 6,949 |

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|---|---|---|---|---|
| 139 | 0605294D8Z | TRUSTED & ASSURED MICROELECTRONICS | 302,963 | 302,963 |
| 140 | 0605772D8Z | NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS | 3,758 | 3,758 |
| 141 | 0305304D8Z | DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM). | 8,121 | 8,121 |
| 142 | 0305310D8Z | CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION. | 16,048 | 16,048 |
| | | **SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.** | **1,014,114** | **1,109,114** |
| | | **MANAGEMENT SUPPORT** | | |
| 143 | 0603829J | JOINT CAPABILITY EXPERIMENTATION | 12,452 | 12,452 |
| 144 | 0604774D8Z | DEFENSE READINESS REPORTING SYSTEM (DRRS) | 8,902 | 8,902 |
| 145 | 0604875D8Z | JOINT SYSTEMS ARCHITECTURE DEVELOPMENT | 6,610 | 6,610 |
| 146 | 0604940D8Z | CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP). | 819,358 | 1,094,358 |
| | | Program increase | | [275,000] |
| 147 | 0604942D8Z | ASSESSMENTS AND EVALUATIONS | 4,607 | 4,607 |
| 148 | 0605001E | MISSION SUPPORT | 86,869 | 86,869 |
| 149 | 0605100D8Z | JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC) | 126,079 | 151,079 |
| | | Joint Mission Environment | | [25,000] |
| 150 | 0605126J | JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO). | 53,278 | 53,278 |
| 152 | 0605142D8Z | SYSTEMS ENGINEERING | 39,009 | 39,009 |
| 153 | 0605151D8Z | STUDIES AND ANALYSIS SUPPORT—OSD | 5,716 | 5,716 |
| 154 | 0605161D8Z | NUCLEAR MATTERS-PHYSICAL SECURITY | 15,379 | 15,379 |
| 155 | 0605170D8Z | SUPPORT TO NETWORKS AND INFORMATION INTEGRATION | 9,449 | 9,449 |
| 156 | 0605200D8Z | GENERAL SUPPORT TO OUSD(INTELLIGENCE AND SECURITY). | 6,112 | 6,112 |
| 157 | 0605384BP | CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM | 124,475 | 124,475 |
| 158 | 0605502BP | SMALL BUSINESS INNOVATIVE RESEARCH—CHEMICAL BIOLOGICAL DEF. | | 5,100 |
| | | Operational Rapid Multi-Pathogen Diagnostic Tool | | [5,100] |
| 165 | 0605790D8Z | SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER. | 3,820 | 6,820 |
| | | Small Business Tech Transfer | | [3,000] |
| 166 | 0605797D8Z | MAINTAINING TECHNOLOGY ADVANTAGE | 35,414 | 35,414 |
| 167 | 0605798D8Z | DEFENSE TECHNOLOGY ANALYSIS | 56,114 | 56,114 |
| 168 | 0605801KA | DEFENSE TECHNICAL INFORMATION CENTER (DTIC) | 63,184 | 63,184 |
| 169 | 0605803SE | R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION. | 23,757 | 23,757 |
| 170 | 0605804D8Z | DEVELOPMENT TEST AND EVALUATION | 26,652 | 26,652 |
| 171 | 0605898E | MANAGEMENT HQ—R&D | 14,636 | 14,636 |
| 172 | 0605998KA | MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC). | 3,518 | 3,518 |
| 173 | 0606100D8Z | BUDGET AND PROGRAM ASSESSMENTS | 15,244 | 15,244 |
| 174 | 0606114D8Z | ANALYSIS WORKING GROUP (AWG) SUPPORT | 4,700 | 4,700 |
| 175 | 0606135D8Z | CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO) ACTIVITIES. | 13,132 | 13,132 |
| 176 | 0606225D8Z | ODNA TECHNOLOGY AND RESOURCE ANALYSIS | 3,323 | 3,323 |
| 177 | 0606300D8Z | DEFENSE SCIENCE BOARD | 2,532 | 2,532 |
| 179 | 0606771D8Z | CYBER RESILIENCY AND CYBERSECURITY POLICY | 32,306 | 32,306 |
| 180 | 0606853BR | MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT | 12,354 | 22,354 |
| | | Joint Programs | | [10,000] |
| 181 | 0203345D8Z | DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) | 3,034 | 3,034 |
| 182 | 0204571J | JOINT STAFF ANALYTICAL SUPPORT | 4,332 | 4,332 |
| 183 | 0208045K | C4I INTEROPERABILITY | 69,698 | 69,698 |
| 189 | 0305172K | COMBINED ADVANCED APPLICATIONS | 16,171 | 16,171 |
| 191 | 0305208K | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 3,072 | 3,072 |
| 192 | 0804768J | COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA. | 37,852 | 37,852 |
| 193 | 0808709SE | DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI). | 716 | 716 |
| 194 | 0901598C | MANAGEMENT HQ—MDA | 25,259 | 25,259 |
| 195 | 0903235K | JOINT SERVICE PROVIDER (JSP) | 3,141 | 3,141 |
| 195A | 9999999999 | CLASSIFIED PROGRAMS | 37,841 | 37,841 |
| | | **SUBTOTAL MANAGEMENT SUPPORT** | **1,830,097** | **2,148,197** |
| | | **OPERATIONAL SYSTEMS DEVELOPMENT** | | |
| 200 | 0607210D8Z | INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT | 588,094 | 649,903 |
| | | Advanced machining | | [20,000] |
| | | Carbon/carbon industrial base enhancement | | [10,000] |
| | | CPF—Critical Non-Destructive Inspection and Training for Key U.S. National Defense Interests through College of the Canyons Advanced Technology Center. | | [2,000] |
| | | CPF—Partnerships for Manufacturing Training Innovation | | [4,000] |
| | | Integrated circuit substrates | | [3,000] |
| | | Precision optics manufacturing | | [14,809] |
| | | RF microelectronics supply chain | | [8,000] |

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|---|---|---|---|---|
| 201 | 0607310D8Z | CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT .. | 15,427 | 15,427 |
| 202 | 0607327T | GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS). | 8,317 | 8,317 |
| 203 | 0607384BP | CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT). | 68,030 | 68,030 |
| 204 | 0208043J | PLANNING AND DECISION AID SYSTEM (PDAS) | | 16,600 |
| | | 2.5/3D heterogeneous | | [16,600] |
| 209 | 0302019K | DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION. | 19,145 | 19,145 |
| 210 | 0303126K | LONG-HAUL COMMUNICATIONS—DCS | 13,195 | 13,195 |
| 211 | 0303131K | MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN). | 5,746 | 5,746 |
| 212 | 0303136G | KEY MANAGEMENT INFRASTRUCTURE (KMI) | 92,018 | 92,018 |
| 213 | 0303140D8Z | INFORMATION SYSTEMS SECURITY PROGRAM | 43,135 | 47,135 |
| | | ISSP, NWC and NPS | | [4,000] |
| 214 | 0303140G | INFORMATION SYSTEMS SECURITY PROGRAM | 593,831 | 593,831 |
| 215 | 0303140K | INFORMATION SYSTEMS SECURITY PROGRAM | 7,005 | 7,005 |
| 216 | 0303150K | GLOBAL COMMAND AND CONTROL SYSTEM | 10,020 | 10,020 |
| 217 | 0303153K | DEFENSE SPECTRUM ORGANIZATION | 19,708 | 19,708 |
| 221 | 0303430V | FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY. | 5,197 | 5,197 |
| 226 | 0305104D8Z | DEFENSE INDUSTRIAL BASE (DIB) CYBER SECURITY INITIATIVE. | 10,000 | 10,000 |
| 229 | 0305128V | SECURITY AND INVESTIGATIVE ACTIVITIES | 450 | 450 |
| 230 | 0305133V | INDUSTRIAL SECURITY ACTIVITIES | 1,800 | 1,800 |
| 233 | 0305146V | DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES | 4,622 | 4,622 |
| 234 | 0305172D8Z | COMBINED ADVANCED APPLICATIONS | 49,380 | 49,380 |
| 237 | 0305186D8Z | POLICY R&D PROGRAMS | 6,214 | 6,214 |
| 238 | 0305199D8Z | NET CENTRICITY | 17,917 | 17,917 |
| 240 | 0305208BB | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 6,095 | 6,095 |
| 246 | 0305245D8Z | INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS. | 4,575 | 4,575 |
| 247 | 0305251K | CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .. | 2,497 | 2,497 |
| 248 | 0305327V | INSIDER THREAT | 9,403 | 9,403 |
| 249 | 0305387D8Z | HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM | 1,864 | 1,864 |
| 257 | 0708012K | LOGISTICS SUPPORT ACTIVITIES | 1,620 | 1,620 |
| 258 | 0708012S | PACIFIC DISASTER CENTERS | 1,875 | 1,875 |
| 259 | 0708047S | DEFENSE PROPERTY ACCOUNTABILITY SYSTEM | 3,264 | 3,264 |
| 261 | 1105219BB | MQ–9 UAV | 14,000 | 29,870 |
| | | MQ–9 Mallett reprogramming | | [5,870] |
| | | Speed Loader Agile POD | | [10,000] |
| 263 | 1160403BB | AVIATION SYSTEMS | 179,499 | 179,499 |
| 264 | 1160405BB | INTELLIGENCE SYSTEMS DEVELOPMENT | 75,136 | 85,136 |
| | | Intelligence Systems Development | | [10,000] |
| 265 | 1160408BB | OPERATIONAL ENHANCEMENTS | 142,900 | 168,810 |
| | | Artificial intelligence for Small Unit Maneuver (AISUM) | | [15,000] |
| | | CPF—Intercept, Collect, Analyze, and Disrupt (ICAD) Application. | | [2,300] |
| | | Precision Strike Munition Shipboard Safety & Certification Testing. | | [8,610] |
| 266 | 1160431BB | WARRIOR SYSTEMS | 129,133 | 155,860 |
| | | Counter Unmanned Systems (CUxS) Procurement Acceleration .... | | [5,400] |
| | | Ground Organic Precision Strike Systems (GOPSS) Loitering Munitions. | | [9,930] |
| | | Identity and Signature Management Modernization | | [9,000] |
| | | Maritime Scalable Effects (MSE) Electronic Warfare System Acceleration. | | [2,397] |
| 267 | 1160432BB | SPECIAL PROGRAMS | 518 | 518 |
| 268 | 1160434BB | UNMANNED ISR | 3,354 | 3,354 |
| 269 | 1160480BB | SOF TACTICAL VEHICLES | 13,594 | 13,594 |
| 270 | 1160483BB | MARITIME SYSTEMS | 82,645 | 112,645 |
| | | Dry Combat Submersible (DCS) Next Acceleration | | [30,000] |
| 272 | 1160490BB | OPERATIONAL ENHANCEMENTS INTELLIGENCE | 7,583 | 8,528 |
| | | Low Visibility Vanishing Technology (LVVT) | | [945] |
| 273 | 1203610K | TELEPORT PROGRAM | 1,270 | 1,270 |
| 273A | 9999999999 | CLASSIFIED PROGRAMS | 7,854,604 | 7,878,304 |
| | | JWICS modernization | | [1,500] |
| | | MARS Advanced Capabilities | | [22,200] |
| | | **SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT**. | **10,114,680** | **10,330,241** |
| | | **SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS** | | |
| 274 | 0608197V | NATIONAL BACKGROUND INVESTIGATION SERVICES—SOFTWARE PILOT PROGRAM. | 132,524 | 132,524 |
| 275 | 0608648D8Z | ACQUISITION VISIBILITY—SOFTWARE PILOT PROGRAM | 17,123 | 17,123 |
| 276 | 0608775D8Z | ACCELERATE THE PROCUREMENT AND FIELDING OF INNOVATIVE TECHNOLOGIES (APFIT). | 100,000 | 0 |

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)**

| Line | Program Element | Item | FY 2023 Request | House Authorized |
|---|---|---|---|---|
| | | OSD requested transfer to new PE | | [–100,000] |
| 276A | 0604795D8Z | ACCELERATE THE PROCUREMENT AND FIELDING OF INNOVATIVE TECHNOLOGIES (APFIT). | | 100,000 |
| | | OSD requested transfer from erroneous PE | | [100,000] |
| 277 | 0303150K | GLOBAL COMMAND AND CONTROL SYSTEM | 34,987 | 34,987 |
| 282 | 0308609V | NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS)—SOFTWARE PILOT PROGRAM. | 14,749 | 14,749 |
| 282A | 9999999999 | CLASSIFIED PROGRAMS | 265,028 | 265,028 |
| | | **SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.** | **564,411** | **564,411** |
| | | **TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW.** | **32,077,552** | **36,530,837** |
| | | **MISSION-BASED RAPID ACQUISITION ACCOUNT** | | |
| 001 | 9999999999 | MISSION-BASED RAPID ACQUISITION | | 30,000 |
| | | Mission-Based Rapid Acquisition | | [30,000] |
| | | **SUBTOTAL MISSION-BASED RAPID ACQUISITION** | | **30,000** |
| | | **TOTAL MISSION-BASED RAPID ACQUISITION ACCOUNT.** | | **30,000** |
| | | **OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT** | | |
| 001 | 0605118OTE | OPERATIONAL TEST AND EVALUATION | 119,529 | 119,529 |
| 002 | 0605131OTE | LIVE FIRE TEST AND EVALUATION | 99,947 | 99,947 |
| 003 | 0605814OTE | OPERATIONAL TEST ACTIVITIES AND ANALYSES | 57,718 | 57,718 |
| | | **SUBTOTAL MANAGEMENT SUPPORT** | **277,194** | **277,194** |
| | | **TOTAL OPERATIONAL TEST & EVAL, DEFENSE** | **277,194** | **277,194** |
| | | **TOTAL RDT&E** | **130,097,410** | **138,641,449** |

# TITLE XLIII—OPERATION AND MAINTENANCE

## SEC. 4301. OPERATION AND MAINTENANCE.

**SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **OPERATION & MAINTENANCE, ARMY** | | |
| | **OPERATING FORCES** | | |
| 010 | MANEUVER UNITS | 4,506,811 | 4,356,811 |
| | Program decrease | | [–150,000] |
| 020 | MODULAR SUPPORT BRIGADES | 177,136 | 177,136 |
| 030 | ECHELONS ABOVE BRIGADE | 894,629 | 894,629 |
| 040 | THEATER LEVEL ASSETS | 2,570,949 | 2,450,949 |
| | Program decrease | | [–120,000] |
| 050 | LAND FORCES OPERATIONS SUPPORT | 1,184,230 | 1,144,230 |
| | Program decrease | | [–40,000] |
| 060 | AVIATION ASSETS | 2,220,817 | 2,220,817 |
| 070 | FORCE READINESS OPERATIONS SUPPORT | 7,366,299 | 7,616,738 |
| | Advanced Bomb Suit II | | [12,940] |
| | Arctic OCIE for Alaska bases, Fort Drum and Fort Carson Extended Cold Weather Clothing System (ECWCS) Layer 1 & 2 for Initial Entry Training Soldiers. | | [65,050] [8,999] |
| | Female/Small Stature Body Armor | | [66,750] |
| | Operation Pathways (OP) | | [100,000] |
| | Program decrease | | [–60,000] |
| | Service Tactical SIGINT Upgrades—INDOPACOM UPL | | [3,400] |
| | Theater Intelligence (ISR-PED) | | [53,300] |
| 080 | LAND FORCES SYSTEMS READINESS | 483,683 | 483,683 |
| 090 | LAND FORCES DEPOT MAINTENANCE | 1,399,173 | 1,399,173 |
| 100 | MEDICAL READINESS | 897,522 | 897,522 |
| 110 | BASE OPERATIONS SUPPORT | 9,330,325 | 9,276,325 |
| | Base Operating Support for AFFF Replacement, mobile assets and Disposal | | [6,000] |

**SEC. 4301. OPERATION AND MAINTENANCE**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | Program decrease | | [–60,000] |
| 120 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 4,666,658 | 5,192,598 |
| | FSRM—AFFF Replacement Facilities | | [65,000] |
| | OIB Projects | | [100,000] |
| | Program increase | | [360,940] |
| 130 | MANAGEMENT AND OPERATIONAL HEADQUARTERS | 284,483 | 254,483 |
| | Program decrease | | [–30,000] |
| 140 | ADDITIONAL ACTIVITIES | 450,348 | 420,348 |
| | Program decrease | | [–30,000] |
| 160 | RESET | 383,360 | 383,360 |
| 170 | US AFRICA COMMAND | 385,685 | 543,835 |
| | Commercial Satellite Communications (COMSATCOM) | | [16,750] |
| | Counter UAS—AFRICOM HQ | | [8,100] |
| | Counter Unmanned Aircraft Systems—AFRICOM UPL | | [8,500] |
| | Force Protection Systems—AFRICOM HQ | | [8,100] |
| | High Risk ISR—Processing, Exploitation and Dissemination (PED) | | [4,600] |
| | High Risk ISR—Security Programs - Aircraft Contract | | [110,000] |
| | High Risk ISR—Security Programs - SATCOM Support | | [2,100] |
| 180 | US EUROPEAN COMMAND | 359,602 | 359,602 |
| 190 | US SOUTHERN COMMAND | 204,336 | 204,336 |
| 200 | US FORCES KOREA | 67,756 | 67,756 |
| 210 | CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS | 495,066 | 495,066 |
| 220 | CYBERSPACE ACTIVITIES—CYBERSECURITY | 673,701 | 683,701 |
| | Certified remote access to enterprise applications | | [10,000] |
| 230 | JOINT CYBER MISSION FORCES | 178,033 | 178,033 |
| | **SUBTOTAL OPERATING FORCES** | **39,180,602** | **39,701,131** |
| | **MOBILIZATION** | | |
| 240 | STRATEGIC MOBILITY | 434,423 | 498,423 |
| | INDOPACOM Theater Campaigning | | [104,000] |
| | Program decrease | | [–40,000] |
| 250 | ARMY PREPOSITIONED STOCKS | 378,494 | 392,638 |
| | APS 3/4 | | [14,144] |
| 260 | INDUSTRIAL PREPAREDNESS | 4,001 | 4,001 |
| | **SUBTOTAL MOBILIZATION** | **816,918** | **895,062** |
| | **TRAINING AND RECRUITING** | | |
| 270 | OFFICER ACQUISITION | 173,439 | 173,439 |
| 280 | RECRUIT TRAINING | 78,826 | 78,826 |
| 290 | ONE STATION UNIT TRAINING | 128,117 | 128,117 |
| 300 | SENIOR RESERVE OFFICERS TRAINING CORPS | 554,992 | 554,992 |
| 310 | SPECIALIZED SKILL TRAINING | 1,115,045 | 1,115,045 |
| 320 | FLIGHT TRAINING | 1,396,392 | 1,396,392 |
| 330 | PROFESSIONAL DEVELOPMENT EDUCATION | 221,960 | 221,960 |
| 340 | TRAINING SUPPORT | 717,318 | 717,318 |
| 350 | RECRUITING AND ADVERTISING | 691,053 | 691,053 |
| 360 | EXAMINING | 192,832 | 192,832 |
| 370 | OFF-DUTY AND VOLUNTARY EDUCATION | 235,340 | 235,340 |
| 380 | CIVILIAN EDUCATION AND TRAINING | 251,378 | 251,378 |
| 390 | JUNIOR RESERVE OFFICER TRAINING CORPS | 196,088 | 196,088 |
| | **SUBTOTAL TRAINING AND RECRUITING** | **5,952,780** | **5,952,780** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 410 | SERVICEWIDE TRANSPORTATION | 662,083 | 622,083 |
| | Program decrease | | [–40,000] |
| 420 | CENTRAL SUPPLY ACTIVITIES | 822,018 | 812,018 |
| | Program decrease | | [–10,000] |
| 430 | LOGISTIC SUPPORT ACTIVITIES | 806,861 | 776,861 |
| | Program decrease | | [–30,000] |
| 440 | AMMUNITION MANAGEMENT | 483,187 | 483,187 |
| 450 | ADMINISTRATION | 486,154 | 436,154 |
| | Program decrease | | [–50,000] |
| 460 | SERVICEWIDE COMMUNICATIONS | 1,871,173 | 1,831,173 |
| | Army Enterprise Service Management Program | | [20,000] |
| | Program decrease | | [–60,000] |
| 470 | MANPOWER MANAGEMENT | 344,668 | 344,668 |
| 480 | OTHER PERSONNEL SUPPORT | 811,999 | 791,999 |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | Program decrease | | [–20,000] |
| 490 | OTHER SERVICE SUPPORT | 2,267,280 | 2,272,280 |
| | Advanced planning for infrastructure to support presence on NATO's Eastern Flank | | [35,000] |
| | Program decrease | | [–30,000] |
| 500 | ARMY CLAIMS ACTIVITIES | 191,912 | 191,912 |
| 510 | REAL ESTATE MANAGEMENT | 288,942 | 288,942 |
| 520 | FINANCIAL MANAGEMENT AND AUDIT READINESS | 410,983 | 410,983 |
| 530 | DEF ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT | 38,714 | 38,714 |
| 540 | INTERNATIONAL MILITARY HEADQUARTERS | 532,377 | 532,377 |
| 550 | MISC. SUPPORT OF OTHER NATIONS | 35,709 | 35,709 |
| 590A | CLASSIFIED PROGRAMS | 2,113,196 | 2,138,296 |
| | High Altitude Balloon | | [10,200] |
| | Hyperspectral Imagery (HSI) Sensor | | [14,900] |
| | Program decrease | | [–32,000] |
| | Program increase | | [32,000] |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **12,167,256** | **12,007,356** |
| | **TOTAL OPERATION & MAINTENANCE, ARMY** | **58,117,556** | **58,556,329** |
| | **OPERATION & MAINTENANCE, ARMY RES** | | |
| | **OPERATING FORCES** | | |
| 010 | MODULAR SUPPORT BRIGADES | 14,404 | 14,404 |
| 020 | ECHELONS ABOVE BRIGADE | 662,104 | 662,104 |
| 030 | THEATER LEVEL ASSETS | 133,599 | 133,599 |
| 040 | LAND FORCES OPERATIONS SUPPORT | 646,693 | 646,693 |
| 050 | AVIATION ASSETS | 128,883 | 128,883 |
| 060 | FORCE READINESS OPERATIONS SUPPORT | 409,994 | 409,994 |
| 070 | LAND FORCES SYSTEMS READINESS | 90,595 | 90,595 |
| 080 | LAND FORCES DEPOT MAINTENANCE | 44,453 | 44,453 |
| 090 | BASE OPERATIONS SUPPORT | 567,170 | 567,170 |
| 100 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 358,772 | 390,192 |
| | Program increase | | [31,420] |
| 110 | MANAGEMENT AND OPERATIONAL HEADQUARTERS | 22,112 | 22,112 |
| 120 | CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS | 2,929 | 2,929 |
| 130 | CYBERSPACE ACTIVITIES—CYBERSECURITY | 7,382 | 7,382 |
| | **SUBTOTAL OPERATING FORCES** | **3,089,090** | **3,120,510** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 140 | SERVICEWIDE TRANSPORTATION | 18,994 | 18,994 |
| 150 | ADMINISTRATION | 20,670 | 20,670 |
| 160 | SERVICEWIDE COMMUNICATIONS | 31,652 | 31,652 |
| 170 | MANPOWER MANAGEMENT | 6,852 | 6,852 |
| 180 | RECRUITING AND ADVERTISING | 61,246 | 61,246 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **139,414** | **139,414** |
| | **TOTAL OPERATION & MAINTENANCE, ARMY RES** | **3,228,504** | **3,259,924** |
| | **OPERATION & MAINTENANCE, ARNG** | | |
| | **OPERATING FORCES** | | |
| 010 | MANEUVER UNITS | 964,237 | 987,237 |
| | Northern Strike | | [23,000] |
| 020 | MODULAR SUPPORT BRIGADES | 214,191 | 214,191 |
| 030 | ECHELONS ABOVE BRIGADE | 820,752 | 820,752 |
| 040 | THEATER LEVEL ASSETS | 97,184 | 97,184 |
| 050 | LAND FORCES OPERATIONS SUPPORT | 54,595 | 54,595 |
| 060 | AVIATION ASSETS | 1,169,826 | 1,169,826 |
| 070 | FORCE READINESS OPERATIONS SUPPORT | 722,788 | 722,788 |
| 080 | LAND FORCES SYSTEMS READINESS | 46,580 | 46,580 |
| 090 | LAND FORCES DEPOT MAINTENANCE | 259,765 | 259,765 |
| 100 | BASE OPERATIONS SUPPORT | 1,151,215 | 1,151,215 |
| 110 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 1,053,996 | 1,141,385 |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | Program increase | | [87,389] |
| 120 | MANAGEMENT AND OPERATIONAL HEADQUARTERS | 1,148,286 | 1,148,286 |
| 130 | CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS | 8,715 | 8,715 |
| 140 | CYBERSPACE ACTIVITIES—CYBERSECURITY | 8,307 | 8,307 |
| | **SUBTOTAL OPERATING FORCES** | **7,720,437** | **7,830,826** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 150 | SERVICEWIDE TRANSPORTATION | 6,961 | 6,961 |
| 160 | ADMINISTRATION | 73,641 | 79,441 |
| | State Partnership Program | | [5,800] |
| 170 | SERVICEWIDE COMMUNICATIONS | 100,389 | 100,389 |
| 180 | MANPOWER MANAGEMENT | 9,231 | 9,231 |
| 190 | OTHER PERSONNEL SUPPORT | 243,491 | 243,491 |
| 200 | REAL ESTATE MANAGEMENT | 3,087 | 3,087 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **436,800** | **442,600** |
| | **TOTAL OPERATION & MAINTENANCE, ARNG** | **8,157,237** | **8,273,426** |
| | **COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)** | | |
| | **COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)** | | |
| 010 | IRAQ | 358,015 | 358,015 |
| 020 | SYRIA | 183,677 | 183,677 |
| | **SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)** | **541,692** | **541,692** |
| | **TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)** | **541,692** | **541,692** |
| | **OPERATION & MAINTENANCE, NAVY** | | |
| | **OPERATING FORCES** | | |
| 010 | MISSION AND OTHER FLIGHT OPERATIONS | 7,334,452 | 7,393,452 |
| | Costs associated with restoring 5 LCS | | [6,000] |
| | PDI training requirements | | [57,000] |
| | Program decrease | | [–4,000] |
| 020 | FLEET AIR TRAINING | 2,793,739 | 2,793,739 |
| 030 | AVIATION TECHNICAL DATA & ENGINEERING SERVICES | 65,248 | 65,248 |
| 040 | AIR OPERATIONS AND SAFETY SUPPORT | 214,767 | 214,767 |
| 050 | AIR SYSTEMS SUPPORT | 1,075,365 | 1,075,365 |
| 060 | AIRCRAFT DEPOT MAINTENANCE | 1,751,737 | 1,859,137 |
| | Aircraft Depot Maintenance Events (Multiple Type/Model/Series) | | [107,100] |
| | Costs associated with restoring 5 LCS | | [300] |
| 070 | AIRCRAFT DEPOT OPERATIONS SUPPORT | 70,319 | 70,319 |
| 080 | AVIATION LOGISTICS | 1,679,193 | 1,604,193 |
| | Historical underexecution | | [–75,000] |
| 090 | MISSION AND OTHER SHIP OPERATIONS | 6,454,952 | 6,524,952 |
| | Costs associated with restoring 5 LCS | | [10,400] |
| | Restore USS Ashland | | [14,400] |
| | Restore USS Germantown | | [14,400] |
| | Restore USS Gunston Hall | | [15,400] |
| | Restore USS Tortuga | | [15,400] |
| 100 | SHIP OPERATIONS SUPPORT & TRAINING | 1,183,237 | 1,183,237 |
| 110 | SHIP DEPOT MAINTENANCE | 10,038,261 | 10,321,061 |
| | Costs associated with restoring 5 LCS | | [90,000] |
| | Public Shipyard Tools, Test Equipment, and Machinery | | [127,000] |
| | Restore USS Ashland | | [12,500] |
| | Restore USS Germantown | | [21,400] |
| | Restore USS Gunston Hall | | [12,700] |
| | Restore USS Tortuga | | [12,600] |
| | Restore USS Vicksburg | | [6,600] |
| 120 | SHIP DEPOT OPERATIONS SUPPORT | 2,422,095 | 2,841,595 |
| | Restore USS Ashland | | [100,000] |
| | Restore USS Germantown | | [100,000] |
| | Restore USS Gunston Hall | | [100,000] |
| | Restore USS Tortuga | | [67,500] |
| | Restore USS Vicksburg | | [28,900] |

**SEC. 4301. OPERATION AND MAINTENANCE**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | Ship Support—USFFC/CPF Berthing & Messing Shortfall | | [23,100] |
| 130 | COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE | 1,632,824 | 1,568,324 |
| | Historical underexecution | | [–65,000] |
| | Service Tactical SIGINT Upgrades—INDOPACOM UPL .. | | [500] |
| 140 | SPACE SYSTEMS AND SURVEILLANCE | 339,103 | 339,103 |
| 150 | WARFARE TACTICS | 881,999 | 881,999 |
| 160 | OPERATIONAL METEOROLOGY AND OCEANOGRAPHY | 444,150 | 444,150 |
| 170 | COMBAT SUPPORT FORCES | 2,274,710 | 2,302,810 |
| | Expeditionary VLS Reload System—Navy UPL | | [100] |
| | Historical underexecution | | [–65,000] |
| | INDOPACOM Theater Campaigning | | [100,000] |
| | Program decrease | | [–7,000] |
| 180 | EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT | 194,346 | 194,346 |
| 190 | CYBER MISSION FORCES | 101,049 | 101,049 |
| 200 | COMBATANT COMMANDERS CORE OPERATIONS | 65,893 | 76,193 |
| | Asia Pacific Regional Initiative | | [10,300] |
| 210 | COMBATANT COMMANDERS DIRECT MISSION SUPPORT | 282,742 | 417,342 |
| | Fusion Center | | [3,300] |
| | INDOPACOM Critical Manpower Positions | | [2,700] |
| | INDOPACOM Theater Campaigning | | [50,000] |
| | Joint Electro-Magnetic Spectrum Office (JEMSO) | | [5,400] |
| | Mission Partner Environment (MPE) Battlefield Information Collection & Exploitation System-Extended (BICES-X) | | [5,300] |
| | MSV—Carolyn Chouest | | [12,500] |
| | Pacific Movement Coordination Center (PMCC) | | [2,400] |
| | Pacific Multi-Domain Training and Experimentation Capability (PMTEC) | | [19,000] |
| | Program increase | | [12,000] |
| | STORMBREAKER | | [22,000] |
| 230 | CYBERSPACE ACTIVITIES | 477,540 | 477,540 |
| 240 | FLEET BALLISTIC MISSILE | 1,664,076 | 1,724,076 |
| | Historical underexecution | | [–15,000] |
| | MQ–9B COCO | | [75,000] |
| 250 | WEAPONS MAINTENANCE | 1,495,783 | 1,505,983 |
| | Costs associated with restoring 5 LCS | | [7,200] |
| | Historical underexecution | | [–20,000] |
| | SM–6 Expansion of Combat Usable Asset Inventory—Navy UPL | | [23,000] |
| 260 | OTHER WEAPON SYSTEMS SUPPORT | 649,371 | 634,371 |
| | Historical underexecution | | [–15,000] |
| 270 | ENTERPRISE INFORMATION | 1,647,834 | 1,647,834 |
| 280 | SUSTAINMENT, RESTORATION AND MODERNIZATION | 3,549,311 | 3,974,311 |
| | FSRM—AFFF Replacement Facilities | | [34,000] |
| | FSRM—Red Hill | | [100,000] |
| | Program increase | | [291,000] |
| 290 | BASE OPERATING SUPPORT | 5,503,088 | 5,501,088 |
| | Base Operating Support for AFFF Replacement, mobile assets and Disposal | | [18,000] |
| | Historical underexecution | | [–20,000] |
| | **SUBTOTAL OPERATING FORCES** | **56,287,184** | **57,737,584** |
| | **MOBILIZATION** | | |
| 300 | SHIP PREPOSITIONING AND SURGE | 467,648 | 526,248 |
| | ESD—restore 2 ships | | [58,600] |
| 310 | READY RESERVE FORCE | 683,932 | 683,932 |
| 320 | SHIP ACTIVATIONS/INACTIVATIONS | 364,096 | 356,596 |
| | Costs associated with restoring 5 LCS | | [7,500] |
| | Historical underexecution | | [–15,000] |
| 330 | EXPEDITIONARY HEALTH SERVICES SYSTEMS | 133,780 | 133,780 |
| 340 | COAST GUARD SUPPORT | 21,196 | 21,196 |
| | **SUBTOTAL MOBILIZATION** | **1,670,652** | **1,721,752** |
| | **TRAINING AND RECRUITING** | | |
| 350 | OFFICER ACQUISITION | 190,578 | 190,578 |
| 360 | RECRUIT TRAINING | 14,679 | 14,679 |
| 370 | RESERVE OFFICERS TRAINING CORPS | 170,845 | 170,845 |

**SEC. 4301. OPERATION AND MAINTENANCE**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| 380 | SPECIALIZED SKILL TRAINING | 1,133,889 | 1,118,889 |
| | Historical underexecution | | [–15,000] |
| 390 | PROFESSIONAL DEVELOPMENT EDUCATION | 334,844 | 339,144 |
| | Navy O&M Training and Recruiting (Sea Cadets) | | [4,300] |
| 400 | TRAINING SUPPORT | 356,670 | 356,670 |
| 410 | RECRUITING AND ADVERTISING | 204,498 | 204,498 |
| 420 | OFF-DUTY AND VOLUNTARY EDUCATION | 89,971 | 89,971 |
| 430 | CIVILIAN EDUCATION AND TRAINING | 69,798 | 69,798 |
| 440 | JUNIOR ROTC | 55,194 | 55,194 |
| | **SUBTOTAL TRAINING AND RECRUITING** | **2,620,966** | **2,610,266** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 450 | ADMINISTRATION | 1,349,966 | 1,279,966 |
| | Historical underexecution | | [–60,000] |
| | Program decrease | | [–10,000] |
| 460 | CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT | 227,772 | 227,772 |
| 470 | MILITARY MANPOWER AND PERSONNEL MANAGEMENT | 667,627 | 667,627 |
| 480 | MEDICAL ACTIVITIES | 284,962 | 284,962 |
| 490 | DEF ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT | 62,824 | 62,824 |
| 500 | SERVICEWIDE TRANSPORTATION | 207,501 | 207,501 |
| 520 | PLANNING, ENGINEERING, AND PROGRAM SUPPORT | 554,265 | 639,265 |
| | Historical underexecution | | [–15,000] |
| | Red Hill Fuel Distribution Advanced Planning, Engineering, Program Support | | [100,000] |
| 530 | ACQUISITION, LOGISTICS, AND OVERSIGHT | 798,473 | 783,473 |
| | Historical underexecution | | [–15,000] |
| 540 | INVESTIGATIVE AND SECURITY SERVICES | 791,059 | 791,059 |
| 720A | CLASSIFIED PROGRAMS | 628,700 | 629,900 |
| | Navy SCI Communications Modernization (Maritime Surveillance Project) | | [1,200] |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **5,573,149** | **5,574,349** |
| | **TOTAL OPERATION & MAINTENANCE, NAVY** | **66,151,951** | **67,643,951** |
| | **OPERATION & MAINTENANCE, MARINE CORPS** | | |
| | **OPERATING FORCES** | | |
| 010 | OPERATIONAL FORCES | 1,740,491 | 1,818,491 |
| | INDOPACOM Theater Campaigning | | [78,000] |
| 020 | FIELD LOGISTICS | 1,699,425 | 1,699,425 |
| 030 | DEPOT MAINTENANCE | 221,886 | 221,886 |
| 040 | MARITIME PREPOSITIONING | 139,518 | 139,518 |
| 050 | CYBER MISSION FORCES | 94,199 | 94,199 |
| 060 | CYBERSPACE ACTIVITIES | 194,904 | 194,904 |
| 070 | SUSTAINMENT, RESTORATION & MODERNIZATION | 1,292,219 | 1,667,219 |
| | Program increase | | [375,000] |
| 080 | BASE OPERATING SUPPORT | 2,699,487 | 2,680,487 |
| | Historical underexecution | | [–15,000] |
| | Program decrease | | [–4,000] |
| | **SUBTOTAL OPERATING FORCES** | **8,082,129** | **8,516,129** |
| | **TRAINING AND RECRUITING** | | |
| 090 | RECRUIT TRAINING | 23,217 | 23,217 |
| 100 | OFFICER ACQUISITION | 1,268 | 1,268 |
| 110 | SPECIALIZED SKILL TRAINING | 118,638 | 118,638 |
| 120 | PROFESSIONAL DEVELOPMENT EDUCATION | 64,626 | 64,626 |
| 130 | TRAINING SUPPORT | 523,603 | 523,603 |
| 140 | RECRUITING AND ADVERTISING | 225,759 | 225,759 |
| 150 | OFF-DUTY AND VOLUNTARY EDUCATION | 51,882 | 51,882 |
| 160 | JUNIOR ROTC | 27,660 | 27,660 |
| | **SUBTOTAL TRAINING AND RECRUITING** | **1,036,653** | **1,036,653** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 170 | SERVICEWIDE TRANSPORTATION | 78,542 | 78,542 |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| 180 | ADMINISTRATION | 401,030 | 401,030 |
| 220A | CLASSIFIED PROGRAMS | 62,590 | 62,590 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **542,162** | **542,162** |
| | **TOTAL OPERATION & MAINTENANCE, MARINE CORPS** | **9,660,944** | **10,094,944** |
| | **OPERATION & MAINTENANCE, NAVY RES** | | |
| | **OPERATING FORCES** | | |
| 010 | MISSION AND OTHER FLIGHT OPERATIONS | 669,533 | 671,993 |
| | Costs associated with restoring HSC–85 aircraft squadron | | [2,460] |
| 020 | INTERMEDIATE MAINTENANCE | 11,134 | 11,134 |
| 030 | AIRCRAFT DEPOT MAINTENANCE | 164,892 | 164,892 |
| 040 | AIRCRAFT DEPOT OPERATIONS SUPPORT | 494 | 494 |
| 050 | AVIATION LOGISTICS | 25,843 | 25,843 |
| 060 | COMBAT COMMUNICATIONS | 20,135 | 20,135 |
| 070 | COMBAT SUPPORT FORCES | 131,104 | 131,104 |
| 080 | CYBERSPACE ACTIVITIES | 289 | 289 |
| 090 | ENTERPRISE INFORMATION | 27,189 | 27,189 |
| 100 | SUSTAINMENT, RESTORATION AND MODERNIZATION | 44,784 | 73,784 |
| | Program increase | | [29,000] |
| 110 | BASE OPERATING SUPPORT | 116,374 | 116,374 |
| | **SUBTOTAL OPERATING FORCES** | **1,211,771** | **1,243,231** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 120 | ADMINISTRATION | 1,986 | 1,986 |
| 130 | MILITARY MANPOWER AND PERSONNEL MANAGEMENT | 12,550 | 12,550 |
| 140 | ACQUISITION AND PROGRAM MANAGEMENT | 1,993 | 1,993 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **16,529** | **16,529** |
| | **TOTAL OPERATION & MAINTENANCE, NAVY RES** | **1,228,300** | **1,259,760** |
| | **OPERATION & MAINTENANCE, MC RESERVE** | | |
| | **OPERATING FORCES** | | |
| 010 | OPERATING FORCES | 109,045 | 109,045 |
| 020 | DEPOT MAINTENANCE | 19,361 | 19,361 |
| 030 | SUSTAINMENT, RESTORATION AND MODERNIZATION | 45,430 | 48,811 |
| | Program increase | | [3,381] |
| 040 | BASE OPERATING SUPPORT | 118,364 | 118,364 |
| | **SUBTOTAL OPERATING FORCES** | **292,200** | **295,581** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 050 | ADMINISTRATION | 12,033 | 12,033 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **12,033** | **12,033** |
| | **TOTAL OPERATION & MAINTENANCE, MC RESERVE** | **304,233** | **307,614** |
| | **OPERATION & MAINTENANCE, AIR FORCE** | | |
| | **OPERATING FORCES** | | |
| 010 | PRIMARY COMBAT FORCES | 936,731 | 846,731 |
| | Historical underexecution | | [–150,000] |
| | Technical realignment | | [60,000] |
| 020 | COMBAT ENHANCEMENT FORCES | 2,657,865 | 2,587,865 |
| | Program decrease | | [–10,000] |
| | Technical realignment | | [–60,000] |
| 030 | AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) | 1,467,518 | 1,477,518 |
| | Contract Adversary Air | | [10,000] |
| 040 | DEPOT PURCHASE EQUIPMENT MAINTENANCE | 4,341,794 | 4,700,594 |
| | Historical underexecution | | [–20,000] |
| | Increase for Weapon System Sustainment | | [378,800] |
| 050 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 4,091,088 | 4,479,488 |

**SEC. 4301. OPERATION AND MAINTENANCE**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | FSRM—AFFF Replacement Facilities/ assets | | [75,000] |
| | Historical underexecution | | [–55,000] |
| | Program increase | | [368,400] |
| 060 | CYBERSPACE SUSTAINMENT | 130,754 | 140,754 |
| | PACAF cyber operations for base resilient architecture | | [10,000] |
| 070 | CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT | 8,782,940 | 8,712,940 |
| | Historical underexecution | | [–70,000] |
| 080 | FLYING HOUR PROGRAM | 5,871,718 | 5,882,618 |
| | Blk 20 F–22 | | [10,900] |
| 090 | BASE SUPPORT | 10,638,741 | 10,648,741 |
| | Base Operating Support for AFFF Replacement, mobile assets, and Disposal | | [10,000] |
| 100 | GLOBAL C3I AND EARLY WARNING | 1,035,043 | 1,042,174 |
| | Technical realignment | | [7,131] |
| 110 | OTHER COMBAT OPS SPT PROGRAMS | 1,436,329 | 1,350,129 |
| | Engaging on Western Hemisphere Challenges and Interoperability with Partner Nations | | [3,800] |
| | Historical underexecution | | [–90,000] |
| 120 | CYBERSPACE ACTIVITIES | 716,931 | 736,931 |
| | Command and control of the information environment | | [20,000] |
| 140 | LAUNCH FACILITIES | 690 | 690 |
| 160 | US NORTHCOM/NORAD | 197,210 | 197,210 |
| 170 | US STRATCOM | 503,419 | 503,419 |
| 180 | US CYBERCOM | 436,807 | 580,107 |
| | CMF Operational Support—CYBERCOM UPL | | [148,300] |
| | Technical realignment | | [–5,000] |
| 190 | US CENTCOM | 331,162 | 331,162 |
| 200 | US SOCOM | 27,318 | 27,318 |
| 220 | CENTCOM CYBERSPACE SUSTAINMENT | 1,367 | 1,367 |
| 230 | USSPACECOM | 329,543 | 338,043 |
| | National Space Defense Center Interim Facility | | [8,500] |
| 240 | JOINT CYBER MISSION FORCE PROGRAMS | 186,759 | 191,759 |
| | Technical realignment | | [5,000] |
| 240A | CLASSIFIED PROGRAMS | 1,705,801 | 1,705,801 |
| | **SUBTOTAL OPERATING FORCES** | **45,827,528** | **46,483,359** |
| | **MOBILIZATION** | | |
| 250 | AIRLIFT OPERATIONS | 2,780,616 | 2,885,316 |
| | INDOPACOM Theater Campaigning | | [104,700] |
| 260 | MOBILIZATION PREPAREDNESS | 721,172 | 671,172 |
| | Historical underexecution | | [–50,000] |
| | **SUBTOTAL MOBILIZATION** | **3,501,788** | **3,556,488** |
| | **TRAINING AND RECRUITING** | | |
| 270 | OFFICER ACQUISITION | 189,721 | 189,721 |
| 280 | RECRUIT TRAINING | 26,684 | 26,684 |
| 290 | RESERVE OFFICERS TRAINING CORPS (ROTC) | 135,515 | 135,515 |
| 300 | SPECIALIZED SKILL TRAINING | 541,511 | 541,511 |
| 310 | FLIGHT TRAINING | 779,625 | 866,777 |
| | Airborne Warning and Control System (AWACS) training | | [87,152] |
| 320 | PROFESSIONAL DEVELOPMENT EDUCATION | 313,556 | 313,556 |
| 330 | TRAINING SUPPORT | 171,087 | 171,087 |
| 340 | RECRUITING AND ADVERTISING | 197,956 | 197,956 |
| 350 | EXAMINING | 8,282 | 8,282 |
| 360 | OFF-DUTY AND VOLUNTARY EDUCATION | 254,907 | 254,907 |
| 370 | CIVILIAN EDUCATION AND TRAINING | 355,375 | 355,375 |
| 380 | JUNIOR ROTC | 69,964 | 69,964 |
| | **SUBTOTAL TRAINING AND RECRUITING** | **3,044,183** | **3,131,335** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 390 | LOGISTICS OPERATIONS | 1,058,129 | 1,058,129 |
| 400 | TECHNICAL SUPPORT ACTIVITIES | 139,428 | 139,428 |
| 410 | ADMINISTRATION | 1,283,066 | 1,195,915 |
| | Program decrease | | [–87,152] |
| 420 | SERVICEWIDE COMMUNICATIONS | 33,222 | 33,222 |
| 430 | OTHER SERVICEWIDE ACTIVITIES | 1,790,985 | 1,810,985 |
| | Advanced planning for infrastructure to support presence on NATO's Eastern Flank | | [20,000] |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| 440 | CIVIL AIR PATROL | 30,526 | 30,526 |
| 460 | DEF ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT | 42,558 | 42,558 |
| 480 | INTERNATIONAL SUPPORT | 102,065 | 102,065 |
| 480A | CLASSIFIED PROGRAMS | 1,427,764 | 1,427,764 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **5,907,743** | **5,840,592** |
| | **TOTAL OPERATION & MAINTENANCE, AIR FORCE** | **58,281,242** | **59,011,773** |
| | **OPERATION & MAINTENANCE, SPACE FORCE** | | |
| | **OPERATING FORCES** | | |
| 010 | GLOBAL C3I & EARLY WARNING | 472,484 | 472,484 |
| 020 | SPACE LAUNCH OPERATIONS | 187,832 | 187,832 |
| 030 | SPACE OPERATIONS | 695,228 | 702,228 |
| | Digital Mission Operations Platform for the Space Force | | [7,000] |
| 040 | EDUCATION & TRAINING | 153,135 | 153,135 |
| 060 | DEPOT MAINTENANCE | 285,863 | 285,863 |
| 070 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 235,253 | 260,653 |
| | Program increase | | [25,400] |
| 080 | CONTRACTOR LOGISTICS AND SYSTEM SUPPORT | 1,358,565 | 1,328,565 |
| | Program decrease | | [–30,000] |
| 090 | SPACE OPERATIONS -BOS | 144,937 | 144,937 |
| 090A | CLASSIFIED PROGRAMS | 272,941 | 272,941 |
| | **SUBTOTAL OPERATING FORCES** | **3,806,238** | **3,808,638** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 100 | ADMINISTRATION | 228,420 | 194,687 |
| | Technical realignment | | [–33,733] |
| 110 | LOGISTICS OPERATIONS | | 33,733 |
| | Technical realignment | | [33,733] |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **228,420** | **228,420** |
| | **TOTAL OPERATION & MAINTENANCE, SPACE FORCE** | **4,034,658** | **4,037,058** |
| | **OPERATION & MAINTENANCE, AF RESERVE** | | |
| | **OPERATING FORCES** | | |
| 010 | PRIMARY COMBAT FORCES | 1,743,908 | 1,743,908 |
| 020 | MISSION SUPPORT OPERATIONS | 193,568 | 193,568 |
| 030 | DEPOT PURCHASE EQUIPMENT MAINTENANCE | 493,664 | 493,664 |
| 040 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 133,782 | 145,282 |
| | Program increase | | [11,500] |
| 050 | CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT | 341,724 | 341,724 |
| 060 | BASE SUPPORT | 522,195 | 522,195 |
| 070 | CYBERSPACE ACTIVITIES | 1,706 | 1,706 |
| | **SUBTOTAL OPERATING FORCES** | **3,430,547** | **3,442,047** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 080 | ADMINISTRATION | 102,038 | 102,038 |
| 090 | RECRUITING AND ADVERTISING | 9,057 | 9,057 |
| 100 | MILITARY MANPOWER AND PERS MGMT (ARPC) | 14,896 | 14,896 |
| 110 | OTHER PERS SUPPORT (DISABILITY COMP) | 7,544 | 7,544 |
| 120 | AUDIOVISUAL | 462 | 462 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **133,997** | **133,997** |
| | **TOTAL OPERATION & MAINTENANCE, AF RESERVE** | **3,564,544** | **3,576,044** |
| | **OPERATION & MAINTENANCE, ANG** | | |
| | **OPERATING FORCES** | | |
| 010 | AIRCRAFT OPERATIONS | 2,301,784 | 2,301,784 |

**SEC. 4301. OPERATION AND MAINTENANCE**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| 020 | MISSION SUPPORT OPERATIONS | 587,793 | 587,793 |
| 030 | DEPOT PURCHASE EQUIPMENT MAINTENANCE | 1,193,699 | 1,193,699 |
| 040 | FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION | 437,042 | 474,142 |
| | Program increase | | [37,100] |
| 050 | CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT | 1,284,264 | 1,284,264 |
| 060 | BASE SUPPORT | 967,169 | 967,169 |
| 070 | CYBERSPACE SUSTAINMENT | 12,661 | 80,161 |
| | Information Technology and JWICS capacity | | [67,500] |
| 080 | CYBERSPACE ACTIVITIES | 15,886 | 15,886 |
| | **SUBTOTAL OPERATING FORCES** | **6,800,298** | **6,904,898** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 090 | ADMINISTRATION | 52,075 | 54,375 |
| | State Partnership Program | | [2,300] |
| 100 | RECRUITING AND ADVERTISING | 48,306 | 48,306 |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **100,381** | **102,681** |
| | **TOTAL OPERATION & MAINTENANCE, ANG** | **6,900,679** | **7,007,579** |
| | **OPERATION AND MAINTENANCE, DEFENSE-WIDE** | | |
| | **OPERATING FORCES** | | |
| 010 | JOINT CHIEFS OF STAFF | 445,366 | 325,366 |
| | Program decrease | | [–120,000] |
| 020 | JOINT CHIEFS OF STAFF—CYBER | 9,887 | 9,887 |
| 030 | JOINT CHIEFS OF STAFF—JTEEP | 679,336 | 479,336 |
| | Program decrease | | [–200,000] |
| 040 | OFFICE OF THE SECRETARY OF DEFENSE—MISO | 246,259 | 273,759 |
| | United States Indo-Pacific Command-MISO | | [27,500] |
| 050 | SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES | 2,056,291 | 2,056,606 |
| | Low Visibility Vanishing Technology (LVVT) | | [315] |
| 060 | SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES | 39,178 | 39,178 |
| 070 | SPECIAL OPERATIONS COMMAND INTELLIGENCE | 1,513,025 | 1,534,325 |
| | Counter Unmanned Systems (CUxS) Procurement Acceleration | | [10,400] |
| | Identity and Signature Management Modernization | | [10,900] |
| | Restore PB (U–28) | | [3,000] |
| | U–28A | | [–3,000] |
| 080 | SPECIAL OPERATIONS COMMAND MAINTENANCE | 1,207,842 | 1,236,195 |
| | Advanced Engine Performance and Restoration Program (Nucleated Foam) | | [3,000] |
| | C–130J Power by the Hour (PBTH) CLS | | [21,620] |
| | Combatant Craft Medium (CCM) Loss Refurbishment | | [4,250] |
| | Counter Unmanned Systems (CUxS) Procurement Acceleration | | [5,353] |
| | Maintenance | | [–5,000] |
| | MQ–9 Mallett reprogramming | | [–5,870] |
| | Program increase | | [5,000] |
| 090 | SPECIAL OPERATIONS COMMAND MANAGEMENT/ OPERATIONAL HEADQUARTERS | 196,271 | 196,271 |
| 100 | SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT | 1,299,309 | 1,340,409 |
| | Advana Authoritative Data Management and Analytics | | [8,000] |
| | ARSOF Information Advantage Acceleration | | [11,500] |
| | Enterprise Data Stewardship Program | | [18,000] |
| | Identity and Signature Management Modernization | | [3,600] |
| | Operational Support | | [–7,000] |
| | Program increase | | [7,000] |
| 110 | SPECIAL OPERATIONS COMMAND THEATER FORCES | 3,314,770 | 3,348,481 |
| | Combat Aviation Advisor mission support | | [18,000] |
| | Non-Traditional ISR | | [10,000] |
| | Tactical Mission Network Digital Force Protection | | [5,711] |
| | **SUBTOTAL OPERATING FORCES** | **11,007,534** | **10,839,813** |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **TRAINING AND RECRUITING** | | |
| 120 | DEFENSE ACQUISITION UNIVERSITY | 176,454 | 176,454 |
| 130 | JOINT CHIEFS OF STAFF | 101,492 | 101,492 |
| 140 | SPECIAL OPERATIONS COMMAND/PROFESSIONAL DEVELOPMENT EDUCATION | 35,279 | 35,279 |
| | **SUBTOTAL TRAINING AND RECRUITING** | **313,225** | **313,225** |
| | **ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | | |
| 150 | CIVIL MILITARY PROGRAMS | 139,656 | 273,156 |
| | National Guard Youth Challenge | | [83,500] |
| | STARBASE | | [50,000] |
| 170 | DEFENSE CONTRACT AUDIT AGENCY | 646,072 | 636,072 |
| | Program decrease | | [–10,000] |
| 180 | DEFENSE CONTRACT AUDIT AGENCY—CYBER | 4,107 | 4,107 |
| 190 | DEFENSE CONTRACT MANAGEMENT AGENCY | 1,506,300 | 1,474,300 |
| | Program decrease | | [–32,000] |
| 200 | DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER | 29,127 | 24,127 |
| | Early to need | | [–5,000] |
| 210 | DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY | 983,133 | 983,133 |
| 230 | DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY—CYBER | 10,245 | 10,245 |
| 240 | DEFENSE HUMAN RESOURCES ACTIVITY | 935,241 | 791,241 |
| | National Language Fellowship Add | | [6,000] |
| | Program decrease | | [–150,000] |
| 250 | DEFENSE HUMAN RESOURCES ACTIVITY—CYBER | 26,113 | 26,113 |
| 260 | DEFENSE INFORMATION SYSTEMS AGENCY | 2,266,729 | 2,266,729 |
| 270 | DEFENSE INFORMATION SYSTEMS AGENCY—CYBER | 643,643 | 663,643 |
| | Internet Operations Management | | [20,000] |
| 300 | DEFENSE LEGAL SERVICES AGENCY | 233,687 | 223,687 |
| | Program decrease | | [–10,000] |
| 310 | DEFENSE LOGISTICS AGENCY | 429,060 | 429,060 |
| 320 | DEFENSE MEDIA ACTIVITY | 243,631 | 198,631 |
| | Program decrease | | [–50,000] |
| | Web Enterprise Business | | [5,000] |
| 330 | DEFENSE POW/MIA OFFICE | 150,021 | 150,021 |
| 340 | DEFENSE SECURITY COOPERATION AGENCY | 2,445,669 | 2,282,669 |
| | Baltic Security Initiative | | [225,000] |
| | International Security Cooperation Programs | | [100,000] |
| | Offset for Baltic Security Initiative | | [–225,000] |
| | Program increase | | [37,000] |
| | Transfer to Ukraine Security Assistance Initiative | | [–300,000] |
| 350 | DEFENSE TECHNOLOGY SECURITY ADMINISTRATION | 40,063 | 40,063 |
| 360 | DEFENSE THREAT REDUCTION AGENCY | 941,763 | 741,763 |
| | Program decrease | | [–200,000] |
| 380 | DEFENSE THREAT REDUCTION AGENCY—CYBER | 56,052 | 56,052 |
| 390 | DEPARTMENT OF DEFENSE EDUCATION ACTIVITY | 3,276,276 | 3,351,276 |
| | Department of Defense Education Activity (Impact Aid Students with Disabilities) | | [22,000] |
| | Department of Defense Education Activity (Impact Aid) | | [53,000] |
| 400 | MISSILE DEFENSE AGENCY | 541,787 | 541,787 |
| 430 | OFFICE OF THE LOCAL DEFENSE COMMUNITY COOPERATION | 108,697 | 128,697 |
| | Defense Community Infrastructure Program | | [20,000] |
| 440 | OFFICE OF THE SECRETARY OF DEFENSE | 2,239,072 | 1,328,008 |
| | Afghanistan War Commission | | [2,500] |
| | AHI cross-functional team | | [10,000] |
| | Center for Excellence in Civilian Harm Mitigation | | [5,000] |
| | Commission on Civilian Harm | | [4,000] |
| | Commission on Professional Military Education | | [5,000] |
| | Commission on the National Defense Strategy | | [2,900] |
| | Congressional Commission on the Strategic Posture of the United States | | [2,800] |
| | Dellums Scholarship program | | [5,000] |
| | Executive Education on Emerging Technologies for Civilian and Military Leaders | | [3,500] |
| | Information Assurance Scholarship Program | | [25,000] |
| | National Commission on the Future of the Navy | | [4,000] |
| | National Security Commission on Emerging Biotechnology | | [5,600] |

**SEC. 4301. OPERATION AND MAINTENANCE**
**(In Thousands of Dollars)**

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | Office of the Secretary of Defense- ASD EI+E Personnel .. | | [1,000] |
| | Pilot Program on Financial Assistance for Victims of Domestic Violence | | [5,000] |
| | PPBE Commission | | [3,800] |
| | Program decrease | | [–774,675] |
| | Readiness Environmental Protection Integration Program .. | | [6,000] |
| | Red teams | | [1,000] |
| | Unjustified growth | | [–228,489] |
| 450 | OFFICE OF THE SECRETARY OF DEFENSE—CYBER | 55,255 | 55,255 |
| 500 | WASHINGTON HEADQUARTERS SERVICES | 369,943 | 347,943 |
| | Program decrease | | [–22,000] |
| 500A | CLASSIFIED PROGRAMS | 18,764,415 | 18,814,215 |
| | Classified adjustment | | [12,100] |
| | Defense Cover Program | | [10,000] |
| | ICASS humint mission support | | [9,000] |
| | Joint Worldwide Intelligence Communications System (JWICS) Modernization | | [12,000] |
| | MARS Advanced Capabilities | | [1,300] |
| | TORCH—Enterprise IT | | [5,400] |
| | **SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES** | **37,085,757** | **35,841,993** |
| | **UNDISTRIBUTED** | | |
| 510 | UNDISTRIBUTED | | –760,000 |
| | Civilian Personnel inflation pay | | [60,000] |
| | Foreign currency fluctuations | | [–450,000] |
| | Historical unobligated balances | | [–370,000] |
| | **SUBTOTAL UNDISTRIBUTED** | | **–760,000** |
| | **TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE** | **48,406,516** | **46,235,031** |
| | **UKRAINE SECURITY ASSISTANCE** | | |
| 010 | UKRAINE SECURITY ASSISTANCE INITIATIVE | | 1,000,000 |
| | Program increase | | [700,000] |
| | Transfer from Defense Security Cooperation Agency | | [300,000] |
| | **SUBTOTAL UKRAINE SECURITY ASSISTANCE** | | **1,000,000** |
| | **TOTAL UKRAINE SECURITY ASSISTANCE** | | **1,000,000** |
| | **SEIZE THE INITIATIVE FUND** | | |
| 010 | SEIZE THE INITIATIVE FUND | | 1,000,000 |
| | Program increase | | [1,000,000] |
| | **SUBTOTAL SEIZE THE INITIATIVE FUND** | | **1,000,000** |
| | **TOTAL SEIZE THE INITIATIVE FUND** | | **1,000,000** |
| | **US COURT OF APPEALS FOR ARMED FORCES, DEF** | | |
| | **ADMINISTRATION AND ASSOCIATED ACTIVITIES** | | |
| 010 | US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE | 16,003 | 16,003 |
| | **SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES** | **16,003** | **16,003** |
| | **TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF** | **16,003** | **16,003** |
| | **DOD ACQUISITION WORKFORCE DEVELOPMENT FUND** | | |
| | **ACQUISITION WORKFORCE DEVELOPMENT** | | |
| 010 | ACQ WORKFORCE DEV FD | 53,791 | 53,791 |
| | **SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT** | **53,791** | **53,791** |
| | **TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND** | **53,791** | **53,791** |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID** | | |
| | **HUMANITARIAN ASSISTANCE** | | |
| 010 | OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID | 112,800 | 152,800 |
| | Program increase | | [40,000] |
| | **SUBTOTAL HUMANITARIAN ASSISTANCE** | **112,800** | **152,800** |
| | **TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID** | **112,800** | **152,800** |
| | **COOPERATIVE THREAT REDUCTION ACCOUNT** | | |
| 010 | COOPERATIVE THREAT REDUCTION | 341,598 | 341,598 |
| | **SUBTOTAL COOPERATIVE THREAT REDUCTION** | **341,598** | **341,598** |
| | **TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT** | **341,598** | **341,598** |
| | **ENVIRONMENTAL RESTORATION, ARMY** | | |
| | **DEPARTMENT OF THE ARMY** | | |
| 050 | ENVIRONMENTAL RESTORATION, ARMY | 196,244 | 196,244 |
| | **SUBTOTAL DEPARTMENT OF THE ARMY** | **196,244** | **196,244** |
| | **TOTAL ENVIRONMENTAL RESTORATION, ARMY** | **196,244** | **196,244** |
| | **ENVIRONMENTAL RESTORATION, NAVY** | | |
| | **DEPARTMENT OF THE NAVY** | | |
| 060 | ENVIRONMENTAL RESTORATION, NAVY | 359,348 | 1,089,348 |
| | Program increase | | [30,000] |
| | Red Hill | | [700,000] |
| | **SUBTOTAL DEPARTMENT OF THE NAVY** | **359,348** | **1,089,348** |
| | **TOTAL ENVIRONMENTAL RESTORATION, NAVY** | **359,348** | **1,089,348** |
| | **ENVIRONMENTAL RESTORATION, AIR FORCE** | | |
| | **DEPARTMENT OF THE AIR FORCE** | | |
| 070 | ENVIRONMENTAL RESTORATION, AIR FORCE | 314,474 | 344,474 |
| | Program increase | | [30,000] |
| | **SUBTOTAL DEPARTMENT OF THE AIR FORCE** | **314,474** | **344,474** |
| | **TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE** | **314,474** | **344,474** |
| | **ENVIRONMENTAL RESTORATION, DEFENSE** | | |
| | **DEFENSE-WIDE** | | |
| 080 | ENVIRONMENTAL RESTORATION, DEFENSE | 8,924 | 33,924 |
| | FUDS—Military Munitions Response Program | | [25,000] |
| | **SUBTOTAL DEFENSE-WIDE** | **8,924** | **33,924** |
| | **TOTAL ENVIRONMENTAL RESTORATION, DEFENSE** | **8,924** | **33,924** |
| | **ENVIRONMENTAL RESTORATION FORMERLY USED SITES** | | |
| | **DEFENSE-WIDE** | | |
| 090 | ENVIRONMENTAL RESTORATION FORMERLY USED SITES | 227,262 | 227,262 |
| | **SUBTOTAL DEFENSE-WIDE** | **227,262** | **227,262** |
| | **TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES** | **227,262** | **227,262** |
| | **SUPPORT FOR INTERNATIONAL SPORTING COMPETITIONS , DEFENSE** | | |
| | **OPERATIONS SUPPORT** | | |
| 100 | SUPPORT OF INTERNATIONAL SPORTING COMPETITIONS, DEFENSE | 10,377 | 10,377 |

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

| Line | Item | FY 2023 Request | House Authorized |
|---|---|---|---|
| | **SUBTOTAL OPERATIONS SUPPORT** | **10,377** | **10,377** |
| | **TOTAL SUPPORT FOR INTERNATIONAL SPORTING COMPETITIONS , DEFENSE** | **10,377** | **10,377** |
| | **RED HILL RECOVERY FUND** | | |
| 010 | RED HILL RECOVERY FUND | 1,000,000 | 0 |
| | Realignment to execution accounts | | [–1,000,000] |
| | **SUBTOTAL RED HILL RECOVERY FUND** | **1,000,000** | 0 |
| | **TOTAL RED HILL RECOVERY FUND** | **1,000,000** | 0 |
| | **TOTAL OPERATION & MAINTENANCE** | **271,218,877** | **274,270,946** |

# TITLE XLIV—MILITARY PERSONNEL

## SEC. 4401. MILITARY PERSONNEL.

SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

| Item | FY 2023 Request | House Authorized |
|---|---|---|
| **Military Personnel** | **164,139,628** | **164,792,801** |
| Inflation bonus pay | | [800,000] |
| BAH Absorption Restoration (1%) | | [244,000] |
| Additional BAH Absorption Restoration (2%) | | [250,000] |
| Military Personnel, Navy—Restore Navy Force Structure Cuts (Manpower) | | [190,000] |
| Military Personnel, Navy—Restore Personnel for HSC–85 Aircraft (Manpower) | | [19,173] |
| Military personnel historical underexecution | | [–700,000] |
| Foreign currency fluctuations | | [–150,000] |
| **MERHCF** | **9,743,704** | **9,743,704** |

# TITLE XLV—OTHER AUTHORIZATIONS

## SEC. 4501. OTHER AUTHORIZATIONS.

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

| Item | FY 2023 Request | House Authorized |
|---|---|---|
| **NATIONAL DEFENSE STOCKPILE TRANSACTION FUND** | | |
| DEFENSE STOCKPILE | 253,500 | 253,500 |
| **TOTAL NATIONAL DEFENSE STOCKPILE TRANSACTION FUND** | **253,500** | **253,500** |
| **WORKING CAPITAL FUND, ARMY** | | |
| ARMY ARSENALS INITIATIVE | 28,448 | 28,448 |
| ARMY SUPPLY MANAGEMENT | 1,489 | 1,489 |
| **TOTAL WORKING CAPITAL FUND, ARMY** | **29,937** | **29,937** |

**SEC. 4501. OTHER AUTHORIZATIONS**
**(In Thousands of Dollars)**

| Item | FY 2023 Request | House Authorized |
|---|---|---|
| **WORKING CAPITAL FUND, AIR FORCE TRANSPORTATION** | | |
| SUPPLIES AND MATERIALS | 80,448 | 80,448 |
| **TOTAL WORKING CAPITAL FUND, AIR FORCE** | **80,448** | **80,448** |
| **WORKING CAPITAL FUND, DEFENSE-WIDE** | | |
| DEFENSE AUTOMATION & PRODUCTION SERVICES | 2 | 2 |
| WORKING CAPITAL FUND SUPPORT | 8,300 | 2,508,300 |
| Fuel inflation | | [2,500,000] |
| **TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE** | **8,302** | **2,508,302** |
| **WORKING CAPITAL FUND, DECA** | | |
| WORKING CAPITAL FUND SUPPORT | 1,211,208 | 1,961,208 |
| Program increase | | [750,000] |
| **TOTAL WORKING CAPITAL FUND, DECA** | **1,211,208** | **1,961,208** |
| **CHEM AGENTS & MUNITIONS DESTRUCTION** | | |
| CHEM DEMILITARIZATION—O&M | 84,612 | 84,612 |
| CHEM DEMILITARIZATION—RDT&E | 975,206 | 975,206 |
| **TOTAL CHEM AGENTS & MUNITIONS DESTRUCTION** | **1,059,818** | **1,059,818** |
| **DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF** | | |
| COUNTER-NARCOTICS SUPPORT | 619,474 | 627,716 |
| JIATF-W | | [8,242] |
| DRUG DEMAND REDUCTION PROGRAM | 130,060 | 134,060 |
| Young Marines Program | | [4,000] |
| NATIONAL GUARD COUNTER-DRUG PROGRAM | 100,316 | 100,316 |
| NATIONAL GUARD COUNTER-DRUG SCHOOLS | 5,878 | 5,878 |
| **TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF** | **855,728** | **867,970** |
| **OFFICE OF THE INSPECTOR GENERAL** | | |
| OFFICE OF THE INSPECTOR GENERAL—O&M | 474,650 | 474,650 |
| OFFICE OF THE INSPECTOR GENERAL—CYBER | 1,321 | 1,321 |
| OFFICE OF THE INSPECTOR GENERAL—RDT&E | 1,864 | 1,864 |
| OFFICE OF THE INSPECTOR GENERAL—PROCUREMENT | 1,524 | 1,524 |
| **TOTAL OFFICE OF THE INSPECTOR GENERAL** | **479,359** | **479,359** |
| **DEFENSE HEALTH PROGRAM** | | |
| IN-HOUSE CARE | 9,906,943 | 10,006,943 |
| TRICARE Dental for Selected Reserve | | [100,000] |
| PRIVATE SECTOR CARE | 18,455,209 | 18,455,209 |
| CONSOLIDATED HEALTH SUPPORT | 1,916,366 | 1,916,366 |
| INFORMATION MANAGEMENT | 2,251,151 | 2,251,151 |
| MANAGEMENT ACTIVITIES | 338,678 | 338,678 |
| EDUCATION AND TRAINING | 334,845 | 341,845 |
| TriService Nursing Research Program | | [7,000] |
| BASE OPERATIONS/COMMUNICATIONS | 2,111,558 | 2,111,558 |
| R&D RESEARCH | 39,568 | 39,568 |
| R&D EXPLORATRY DEVELOPMENT | 175,477 | 175,477 |
| R&D ADVANCED DEVELOPMENT | 320,862 | 320,862 |
| R&D DEMONSTRATION/VALIDATION | 166,960 | 166,960 |
| R&D ENGINEERING DEVELOPMENT | 103,970 | 103,970 |
| R&D MANAGEMENT AND SUPPORT | 85,186 | 85,186 |
| R&D CAPABILITIES ENHANCEMENT | 17,971 | 47,971 |

**SEC. 4501. OTHER AUTHORIZATIONS**
**(In Thousands of Dollars)**

| Item | FY 2023 Request | House Authorized |
|---|---|---|
| National Disaster Medical Surge Pilot and Implementation | | [20,000] |
| Warfighting Brain Initiative | | [10,000] |
| PROC INITIAL OUTFITTING | 21,625 | 21,625 |
| PROC REPLACEMENT & MODERNIZATION | 234,157 | 234,157 |
| PROC JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM | 1,467 | 1,467 |
| PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER | 72,601 | 72,601 |
| PROC DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION | 240,224 | 240,224 |
| SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS | 137,356 | 137,356 |
| **TOTAL DEFENSE HEALTH PROGRAM** | **36,932,174** | **37,069,174** |
| **TOTAL OTHER AUTHORIZATIONS** | **40,910,474** | **44,309,716** |

# TITLE XLVI—MILITARY CONSTRUCTION

## SEC. 4601. MILITARY CONSTRUCTION.

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| | Alabama | | | |
| Army | Anniston Army Depot | General Purpose Warehouse | 0 | 2,400 |
| Army | Redstone Arsenal | Physics Lab | 0 | 44,000 |
| | California | | | |
| Army | Air Force Training Center Edwards | Planning and Design Munitions Igloo—East | 0 | 650 |
| | Colorado | | | |
| Army | Fort Carson | Fire Station Support Building | 14,200 | 14,200 |
| | Germany | | | |
| Army | East Camp Grafenwoehr | EDI: Battalion Trng Cplx1 (Brks/Veh Maint) | 104,000 | 104,000 |
| Army | East Camp Grafenwoehr | EDI: Battalion Trng Cplx2 (OPS/Veh Maint) | 64,000 | 64,000 |
| | Hawaii | | | |
| Army | Tripler Army Medical Center | Water System Upgrades | 0 | 2,000 |
| Army | Fort Shafter | Water System Upgrades | 0 | 2,000 |
| | Kwajalein | | | |
| Army | Kwajalein Atoll | Medical Clinic | 69,000 | 69,000 |
| | Louisiana | | | |
| Army | Fort Polk, Louisiana | Child Development Center | 32,000 | 32,000 |
| Army | Fort Polk, Louisiana | Joint Operations Center | 0 | 61,000 |
| | Maryland | | | |
| Army | Aberdeen Proving Ground | Test Maintenance Fabrication Facility | 0 | 85,000 |
| Army | Aberdeen Proving Ground | Test Maintenance Fabrication Facility Cost to Complete. | 0 | 7,600 |
| | Mississippi | | | |
| Army | Vicksburg | General Purpose Lab and Test Building | 0 | 20,000 |
| | New Jersey | | | |
| Army | Picatinny Arsenal | Igloo Storage Installation | 0 | 12,000 |
| Army | Picatinny Arsenal | Precision Munitions Test Tower | 0 | 3,654 |
| | New York | | | |
| Army | U.S. Military Academy | Engineering Center | 39,800 | 39,800 |
| Army | Fort Drum | Automated Record Fire Plus Range | 0 | 2,400 |
| | North Carolina | | | |
| Army | Fort Bragg | Multipurpose Training Range | 34,000 | 34,000 |
| | Pennsylvania | | | |
| Army | Letterkenny Army Depot | Shipping and Receiving Building | 38,000 | 38,000 |
| | Texas | | | |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| Army | Fort Hood | Barracks | 0 | 19,000 |
| Army | Fort Hood | Automated Infantry Platoon Battle Course | 0 | 1,220 |
| Army | Fort Hood | Automated Machine Gun Range | 0 | 1,240 |
| Army | Fort Hood | Infantry Squad Battle Course | 0 | 600 |
| Army | Corpus Christi Army Depot | Powertrain Facility (Engine Assembly) | 103,000 | 83,000 |
| Army | Fort Bliss | Fire Station | 15,000 | 15,000 |
| | Washington | | | |
| Army | Joint Base Lewis-McChord | Barracks | 49,000 | 49,000 |
| | Worldwide Unspecified | | | |
| Army | Unspecified Worldwide Locations | Host Nation Support | 26,000 | 26,000 |
| Army | Unspecified Worldwide Locations | Planning and Design | 167,151 | 167,151 |
| Army | Unspecified Worldwide Locations | Unspecified Minor Construction | 90,414 | 90,414 |
| Army | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 502,900 |
| | **Military Construction, Army Total** | | **845,565** | **1,593,229** |
| | Alabama | | | |
| Navy | Redstone Arsenal | Building 6231 | 0 | 6,000 |
| | Australia | | | |
| Navy | Royal Australian Air Force Base Darwin | PDI: Aircraft Parking Apron (Inc) | 72,446 | 72,446 |
| | California | | | |
| Navy | Corona | Performance Assessment Communications Laboratory. | 0 | 15,000 |
| Navy | Corona | Planning and Design Data Science Analytics and Innovation. | 0 | 2,845 |
| Navy | Marine Corps Base Camp Pendleton | Basilone Road Realignment | 85,210 | 85,210 |
| Navy | Naval Air Station Lemoore | F–35C Aircraft Maintenance Hangar & Airfield Pave. | 201,261 | 43,261 |
| Navy | Naval Base Point Loma Annex | Child Development Center | 56,450 | 56,450 |
| Navy | Naval Base San Diego | Pier 6 Replacement (Inc) | 15,565 | 15,565 |
| Navy | Marine Corps Air Ground Combat Center Twentynine Palms | Range Simulation Training & Operations Fac. | 120,382 | 11,382 |
| | Connecticut | | | |
| Navy | Naval Submarine Base New London | Relocate Underwater Electromagnetic Measure. | 15,514 | 15,514 |
| | Florida | | | |
| Navy | Naval Air Station Jacksonville | Engine Test Cells Modifications | 86,232 | 86,232 |
| Navy | Marine Corps Support Facility Blount Island | Communications Infrastructure Modernization Design. | 0 | 5,291 |
| Navy | Naval Air Station Whiting Field | AHTS Aircraft Flight Simulator Facility | 57,789 | 57,789 |
| | Georgia | | | |
| Navy | Naval Submarine Base Kings Bay | Nuclear Regional Maintenance Facility | 213,796 | 213,796 |
| Navy | Naval Submarine Base Kings Bay | Trident Training Fac. Columbia Trainer Expan. | 65,375 | 65,375 |
| | Guam | | | |
| Navy | Marine Corps Base Camp Blaz | PDI: 9th Eng Supp Battalion Equip & Main Fac | 131,590 | 48,590 |
| Navy | Marine Corps Base Camp Blaz | PDI: 9th Engineer Support Battalion Ops. Fac. | 35,188 | 35,188 |
| Navy | Marine Corps Base Camp Blaz | PDI: Brown Tree Snake Exclusion Barrier South | 14,497 | 14,497 |
| Navy | Marine Corps Base Camp Blaz | PDI: Ground Combat Element Infantry Battalion 1 & 2 Facility. | 149,314 | 79,314 |
| | Hawaii | | | |
| Navy | Marine Corps Base Kaneohe Bay | Bachelor Enslisted Quarters (P–973) | 0 | 87,930 |
| Navy | Joint Base Pearl Harbor-Hickam | Dry Dock 3 Replacement (Inc) | 621,185 | 621,185 |
| | Idaho | | | |
| Navy | Carderock | Planning and Design ARD Range Craft Berthing Facility. | 0 | 706 |
| | Japan | | | |
| Navy | Kadena Air Base | PDI: Marine Corps Bachelor Enlisted Quarters | 94,100 | 34,100 |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| Navy | Kadena Air Base | PDI: Marine Corps Barracks Complex, Kadena | 101,300 | 101,300 |
| | Maine | | | |
| Navy | Kittery | Multi-Mission Drydock #1 Extension (Inc) | 503,282 | 503,282 |
| | Maryland | | | |
| Navy | Carderock | SFOMF Storage Laboratory | 0 | 2,073 |
| Navy | Carderock | Planning and Design Ship Systems Integration and Design Facility. | 0 | 2,650 |
| Navy | Indian Head | EOD Explosive Testing Range 2 Expansion at SN, Building 2107. | 0 | 2,039 |
| Navy | Indian Head | New Combustion Laboratory | 0 | 6,000 |
| Navy | Indian Head | Planning and Design Contained Burn Facility | 0 | 5,650 |
| Navy | Naval Surface Warfare Center Indian Head | Contained Burn Facility | 0 | 4,750 |
| | Nevada | | | |
| Navy | Naval Air Station Fallon | F–35C Aircraft Maintenance Hangar | 97,865 | 37,865 |
| | North Carolina | | | |
| Navy | Marine Corps Base Camp Lejeune | Regional Communications Station, Hadnot Point | 47,475 | 47,475 |
| Navy | Marine Corps Air Station Cherry Point | Aircraft Maintenance Hangar (Inc) | 106,000 | 91,000 |
| Navy | Marine Corps Air Station Cherry Point | CH–53K Gearbox Repair and Test Facility | 38,415 | 38,415 |
| Navy | Marine Corps Air Station Cherry Point | F–35 Flightline Util. Modern. Ph 2 (Inc) | 58,000 | 58,000 |
| | Pennsylvania | | | |
| Navy | Philadelphia | Machinery Control Developmental Center | 0 | 86,610 |
| | Virginia | | | |
| Navy | Dahlgren | Upgrade Electrical Substation 1 | 0 | 2,503 |
| Navy | Dahlgren | Planning and Design Weapons Integration and Test Campus. | 0 | 1,237 |
| Navy | Naval Station Norfolk | Submarine Logistics Support Facilities | 16,863 | 16,863 |
| Navy | Naval Station Norfolk | Submarine Pier 3 (Inc) | 155,000 | 155,000 |
| Navy | Portsmouth Naval Shipyard | Dry Dock Saltwater System for CVN–78 (Inc) | 47,718 | 47,718 |
| | Washington | | | |
| Navy | Naval Air Station Whidbey Island | E/A–18G Aircraft Flt. Read. Squad. Train. Fac | 37,461 | 37,461 |
| | Worldwide Unspecified | | | |
| Navy | Unspecified Worldwide Locations | MCON Planning and Funds | 397,124 | 397,124 |
| Navy | Unspecified Worldwide Locations | Unspecified Minor Construction | 109,994 | 109,994 |
| Navy | Unspecified Worldwide Locations | Red Hill | 0 | 23,184 |
| Navy | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 1,198,000 |
| | **Military Construction, Navy Total** | | **3,752,391** | **4,649,859** |
| | Alabama | | | |
| AF | Maxwell Air Force Base | Commercial Vehicle Inspection Gate | 0 | 15,000 |
| | Alaska | | | |
| AF | Clear Air Force Station | LRDR Dormitory | 68,000 | 68,000 |
| AF | Joint Base Elmendorf-Richardson | Extend Runway 16/34, Inc | 100,000 | 100,000 |
| | California | | | |
| AF | Vandenberg Air Force Base | GBSD Consolidated Maintenance Facility | 89,000 | 89,000 |
| AF | Travis Air Force Base | KC–46 ADAL Simulator Facility, B179 | 0 | 7,500 |
| | Florida | | | |
| AF | Patrick Space Force Base | Consolidated Communications Facility | 0 | 75,680 |
| AF | Air Force Research Lab—Eglin Air Force Base | Planning and Design Shock and Applied Impact Laboratory (SAIL). | 0 | 530 |
| AF | Eglin Air Force Base | F–35A ADAL Development Test | 0 | 2,500 |
| AF | Eglin Air Force Base | F–35A Developmental Test 2–Bay MXS Hangar | 0 | 4,100 |
| AF | Eglin Air Force Base | F–35A Developmental Test 2–Bay Test Hangar | 0 | 3,700 |
| | Hawaii | | | |
| AF | Kirtland Air Force Base, Maui Experimental Site #1 | Secure Integration Support Lab With Land Acquisition. | 0 | 89,000 |
| | Hungary | | | |
| AF | Papa Air Base | EDI: DABS-FEV Storage | 71,000 | 71,000 |
| | Iceland | | | |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| AF | Keflavik | EDI: DABS-FEV Storage | 94,000 | 94,000 |
| | Italy | | | |
| AF | Aviano Air Base | Combat Rescue Helicopter Simulator Facility | 15,500 | 15,500 |
| AF | Aviano Air Base | EDI: RADR Storage Facility | 31,000 | 31,000 |
| | Japan | | | |
| AF | Kadena Air Base | Helicopter Rescue OPS Maintenance Hangar, Inc | 71,000 | 71,000 |
| AF | Kadena Air Base | PDI: Theater A/C Corrosion Control Ctr, Inc | 77,000 | 77,000 |
| | Jordan | | | |
| AF | Azraq Air Base | Bulk Petroleum/Oil/Lubricants Storage | 32,000 | 32,000 |
| AF | Azraq Air Base | Fuel Cell and Phase Maintenance Hangars | 18,000 | 18,000 |
| | Louisiana | | | |
| AF | Barksdale Air Force Base | Weapons Generation Facility, Inc | 125,000 | 125,000 |
| | Mariana Islands | | | |
| AF | Tinian | PDI: Airfield Development Phase 1, Inc | 58,000 | 58,000 |
| AF | Tinian | PDI: Fuel Tanks W/Pipeln & Hydrant Sys, Inc | 92,000 | 92,000 |
| AF | Tinian | PDI: Parking Apron, Inc | 41,000 | 41,000 |
| | Massachusetts | | | |
| AF | Hanscom Air Force Base | MIT-Lincoln Lab (West Lab CSL/MIF), Inc | 30,200 | 30,200 |
| | New Mexico | | | |
| AF | Kirtland Air Force Base | JNWC Headquarters | 0 | 4,700 |
| AF | Kirtland Air Force Base | Space Rapid Capabilities Office (SPRCO) Headquarters Facility. | 0 | 4,400 |
| | New York | | | |
| AF | Air Force Research Lab Rome | Construct HF Antennas, Newport and Stockbridge Annexes. | 0 | 4,200 |
| | Norway | | | |
| AF | Rygge | EDI: Base Perimeter Security Fence | 8,200 | 8,200 |
| | Ohio | | | |
| AF | Wright-Patterson Air Force Base | Child Development Center/School Age Center | 0 | 29,000 |
| | Oklahoma | | | |
| AF | Tinker Air Force Base | Facility and Land Acquisition (MROTC) | 30,000 | 30,000 |
| AF | Tinker Air Force Base | KC–46A 3–Bay Depot Maintenance Hangar, Inc | 49,000 | 49,000 |
| AF | Tinker Air Force Base | KC–46A Fuel POL Infrastructure | 13,600 | 13,600 |
| AF | Altus Air Force Base | South Gate | 0 | 4,750 |
| | South Carolina | | | |
| AF | Shaw Air Force Base | RAPCON Facility | 10,000 | 10,000 |
| | South Dakota | | | |
| AF | Ellsworth Air Force Base | B–21 2–Bay LO Restoration Facility, Inc | 91,000 | 76,000 |
| AF | Ellsworth Air Force Base | B–21 Radio Frequency Facility | 77,000 | 77,000 |
| AF | Ellsworth Air Force Base | B–21 Weapons Generation Facility, Inc | 50,000 | 50,000 |
| | Spain | | | |
| AF | Moron Air Base | EDI: RADR Storage Facility | 29,000 | 29,000 |
| | Tennessee | | | |
| AF | Arnold Air Force Base | Arc Heater Test Facility Dragon Fire | 38,000 | 38,000 |
| | Texas | | | |
| AF | Joint Base San Antonio | BMT Recruit Dormitory 8, Inc 3 CTC | 0 | 5,400 |
| AF | Joint Base San Antonio | BMT Recruit Dormitory 7, Inc | 90,000 | 45,000 |
| AF | Joint Base San Antonio | Randolph AFB Child Development Center | 0 | 29,000 |
| | Utah | | | |
| AF | Hill Air Force Base | GBSD Organic Software Sustain Ctr, Inc | 95,000 | 95,000 |
| AF | Hill Air Force Base | GBSD Technology and Collaboration Center | 84,000 | 84,000 |
| | Worldwide Unspecified | | | |
| AF | Unspecified Worldwide Locations | Planning & Design | 11,722 | 11,722 |
| AF | Unspecified Worldwide Locations | Planning & Design | 12,424 | 12,424 |
| AF | Unspecified Worldwide Locations | Planning & Design | 111,648 | 111,648 |
| AF | Unspecified Worldwide Locations | Varlocs Cost to Complete | 0 | 89,000 |
| AF | Various Worldwide Locations | Unspecified Minor Military Construction | 66,162 | 66,162 |
| AF | Various Worldwide Locations | Natural Disaster Response- Cost to Complete | 0 | 360,000 |
| AF | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 746,000 |
| | Wyoming | | | |
| AF | F.E. Warren Air Force Base | GBSD Integrated Command Center Wing a | 95,000 | 95,000 |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| AF | F.E. Warren Air Force Base | GBSD Land Acquisition | 34,000 | 34,000 |
| AF | F.E. Warren Air Force Base | GBSD Missile Handling Complex Wing a | 47,000 | 47,000 |
| **Military Construction, Air Force Total** | | | **2,055,456** | **3,469,916** |
| | Alabama | | | |
| Def-Wide | Missile and Space Intelligence Center, Redstone Arsenal | Backup Power Generation | 0 | 10,700 |
| | California | | | |
| Def-Wide | Naval Base Ventura County, Point Mugu | Ground Mounted Solar Photovoltaic System | 0 | 13,360 |
| Def-Wide | Marine Corps Mountain Warfare Training Center Bridgeport | Microgrid and Backup Power | 0 | 25,560 |
| Def-Wide | Coronado | SOF Operations Support Facility | 75,712 | 75,712 |
| | Djibouti | | | |
| Def-Wide | Camp Lemonnier | Enhanced Energy Security and Control Systems | 0 | 24,000 |
| | Florida | | | |
| Def-Wide | Naval Air Station Jacksonville | Facility Energy Operations Center Renovation | 0 | 2,400 |
| Def-Wide | Patrick Space Force Base | Underground Electric Distribution System | 0 | 8,400 |
| Def-Wide | Patrick Space Force Base | Water Distribution Loop | 0 | 7,300 |
| Def-Wide | Hurlburt Field | SOF Human Performance Training Center | 9,100 | 9,100 |
| Def-Wide | MacDill Air Force Base | SOF Operations Integration Facility | 0 | 50,000 |
| Def-Wide | MacDill Air Force Base | SOF Joint MISO Web-Operations Facility | 0 | 8,730 |
| | Georgia | | | |
| Def-Wide | Fort Stewart-Hunter Army Airfield | Power Generation and Microgrid | 0 | 25,400 |
| Def-Wide | Naval Submarine Base Kings Bay | SCADA Modernization | 0 | 11,200 |
| | Germany | | | |
| Def-Wide | Baumholder | Baumholder Elementary School | 71,000 | 71,000 |
| Def-Wide | Baumholder | SOF Battalion Annex | 22,468 | 22,468 |
| Def-Wide | Baumholder | SOF Communications Annex | 9,885 | 9,885 |
| Def-Wide | Baumholder | SOF Operations Annex | 23,768 | 23,768 |
| Def-Wide | Baumholder | SOF Support Annex | 21,902 | 21,902 |
| Def-Wide | Rhine Ordnance Barracks | Medical Center Replacement Inc 10 | 299,790 | 99,790 |
| Def-Wide | Weisbaden | Clay Kaserne Elementary School | 60,000 | 60,000 |
| | Guam | | | |
| Def-Wide | Naval Base Guam | Electrical Distribution System | 0 | 34,360 |
| | Hawaii | | | |
| Def-Wide | Joint Base Pearl Harbor-Hickham | Primary Electrical Distribution | 0 | 25,000 |
| | Japan | | | |
| Def-Wide | Kadena | Lighting Upgrades | 0 | 780 |
| Def-Wide | Iwakuni | PDI: Bulk Storage Tanks Ph 1 | 85,000 | 85,000 |
| Def-Wide | Yokosuka | Kinnick High School Inc | 20,000 | 20,000 |
| Def-Wide | Yokota Air Base | PDI: Bulk Storage Tanks Ph I (Inc) | 44,000 | 44,000 |
| Def-Wide | Yokota Air Base | PDI: Operations and Warehouse Facilities | 72,154 | 72,154 |
| | Kansas | | | |
| Def-Wide | Fort Riley | Power Generation and Microgrid | 0 | 25,780 |
| | Kuwait | | | |
| Def-Wide | Camp Arifjan | Power Generation and Microgrid | 0 | 26,850 |
| | Maryland | | | |
| Def-Wide | Fort Meade | Reclaimed Water Infrastructure Expansion | 0 | 23,310 |
| Def-Wide | Bethesda Naval Hospital | MEDCEN Addition / Alteration Inc 6 | 75,500 | 75,500 |
| Def-Wide | Fort Meade | NSAW Mission OPS and Records Center (Inc) | 140,000 | 140,000 |
| Def-Wide | Fort Meade | NSAW Recap Building 4 (Inc) | 378,000 | 378,000 |
| | North Carolina | | | |
| Def-Wide | Fort Bragg | SOF Operations Building | 18,870 | 18,870 |
| Def-Wide | Fort Bragg | SOF Supply Support Activity | 15,600 | 15,600 |
| | Texas | | | |
| Def-Wide | Fort Hood | Power Generation and Microgrid | 0 | 31,500 |
| Def-Wide | U.S. Army Reserve Center, Conroe | Power Generation and Microgrid | 0 | 9,600 |
| Def-Wide | Joint Base San Antonio | Ambulatory Care Center Replacement (Dental) | 58,600 | 58,600 |
| | Virginia | | | |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| Def-Wide | Naval Support Activity Hampton Roads | Backup Power Generation | 0 | 3,400 |
| Def-Wide | NCE Springfield, Fort Belvoir | Chilled Water Redundancy | 0 | 1,100 |
| Def-Wide | Naval Support Activity Hampton Roads | Primary Distribution Substation | 0 | 19,000 |
| Def-Wide | Dam Neck | SOF Operations Building Addition | 26,600 | 26,600 |
| Def-Wide | Pentagon | Commercial Vehicle Inspection Facility | 18,000 | 18,000 |
| | Worldwide Unspecified | | | |
| Def-Wide | Unspecified Worldwide Locations | Energy Resilience and Conserv. Invest. Prog. | 329,000 | 0 |
| Def-Wide | Unspecified Worldwide Locations | ERCIP Design | 224,250 | 224,250 |
| Def-Wide | Unspecified Worldwide Locations | Exercise Related Minor Construction | 18,644 | 18,644 |
| Def-Wide | Unspecified Worldwide Locations | INDOPACOM | 0 | 47,600 |
| Def-Wide | Unspecified Worldwide Locations | INDOPACOM—Red Hill Fuel Distribution | 0 | 75,000 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—Defw | 26,689 | 26,689 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—DHA | 33,227 | 33,227 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—DLA | 30,000 | 30,000 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—DODEA | 20,086 | 20,086 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—MDA | 47,063 | 47,063 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—NSA | 9,618 | 9,618 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—SOCOM | 26,978 | 26,978 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—TJS | 2,360 | 2,360 |
| Def-Wide | Unspecified Worldwide Locations | Planning and Design—WHS | 2,106 | 2,106 |
| Def-Wide | Unspecified Worldwide Locations | Unspecified Minor Construction—Defw | 3,000 | 3,000 |
| Def-Wide | Unspecified Worldwide Locations | Unspecified Minor Construction—DHA | 15,000 | 15,000 |
| Def-Wide | Unspecified Worldwide Locations | Unspecified Minor Construction—DODEA | 8,000 | 8,000 |
| Def-Wide | Unspecified Worldwide Locations | Unspecified Minor Construction—NSA | 6,000 | 6,000 |
| Def-Wide | Unspecified Worldwide Locations | Unspecified Minor Construction—SOCOM | 36,726 | 36,726 |
| Def-Wide | Unspecified Worldwide Locations | Unspecified Minor Construction—DLA | 31,702 | 31,702 |
| Def-Wide | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 688,000 |
| Def-Wide | Various Worldwide Locations | EUCOM—Infrastructure to Support Presence on Nato's Eastern Flank (Planning and Design). | 0 | 50,000 |
| | INDOPACOM | | | |
| Def-Wide | INDOPACOM | Exercise Related Minor Construction | 0 | 16,130 |
| | **Military Construction, Defense-Wide Total** | | **2,416,398** | **3,151,858** |
| | Worldwide Unspecified | | | |
| NATO | NATO Security Investment Program | NATO Security Investment Program | 210,139 | 210,139 |
| | **NATO Security Investment Program Total** | | **210,139** | **210,139** |
| | Delaware | | | |
| Army NG | New Castle | National Guard Readiness Center | 16,000 | 16,000 |
| | Florida | | | |
| Army NG | Palm Coast | National Guard Vehicle Maintenance Shop | 12,000 | 12,000 |
| Army NG | Camp Blanding | Automated Multipurpose Machine Gun (MPMG) Range. | 0 | 8,500 |
| Army NG | Camp Blanding | Scout Reece Gunnery Complex | 0 | 16,200 |
| | Hawaii | | | |
| Army NG | Kapolei | National Guard Readiness Center Addition | 29,000 | 29,000 |
| | Indiana | | | |
| Army NG | Atlanta | National Guard Readiness Center | 20,000 | 20,000 |
| | Iowa | | | |
| Army NG | West Des Moines | National Guard Readiness Center | 15,000 | 15,000 |
| | Louisiana | | | |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| Army NG | Camp Beauregard | Energy Resilience Conservation Investment Program Project. | 0 | 765 |
| Army NG | Louisiana National Guard New Orleans | Munitions Administrative Facility | 0 | 1,650 |
| Army NG | Abbeville | National Guard Readiness Center Planning and Design. | 0 | 1,650 |
| | Michigan | | | |
| Army NG | Camo Grayling | National Guard Readiness Center | 16,000 | 16,000 |
| | Minnesota | | | |
| Army NG | New Ulm | National Guard Readiness Center | 17,000 | 17,000 |
| | Nevada | | | |
| Army NG | Reno | National Guard Readiness Center Add/Alt | 18,000 | 18,000 |
| | New York | | | |
| Army NG | Troy | National Guard Vehicle Maintenance Shop | 17,000 | 17,000 |
| | North Carolina | | | |
| Army NG | Mcleansville | National Guard Vehicle Maintenance Shop | 15,000 | 15,000 |
| | Puerto Rico | | | |
| Army NG | Camp Santiago | Engineering/Housing Maintenance Shops (DPW) | 14,500 | 14,500 |
| | Vermont | | | |
| Army NG | Bennington | National Guard Readiness Center | 14,800 | 14,800 |
| | West Virginia | | | |
| Army NG | Buckhannon | National Guard Readiness Center Add/Alt | 14,000 | 14,000 |
| | Worldwide Unspecified | | | |
| Army NG | Unspecified Worldwide Locations | Planning and Design | 28,245 | 28,245 |
| Army NG | Unspecified Worldwide Locations | Unspecified Minor Construction | 35,933 | 35,933 |
| Army NG | Unspecified Worldwide Locations | Unspecified Minor Construction | 0 | 4,346 |
| Army NG | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 138,600 |
| | Wyoming | | | |
| Army NG | Sheridan | National Guard Vehicle Maintenance Shop | 14,800 | 14,800 |
| | **Military Construction, Army National Guard Total** | | **297,278** | **468,989** |
| | Florida | | | |
| Army Res | Perrine | Army Reserve Center/AMSA | 46,000 | 46,000 |
| | Puerto Rico | | | |
| Army Res | Fort Buchanan | Army Reserve Center | 24,000 | 24,000 |
| | Worldwide Unspecified | | | |
| Army Res | Unspecified Worldwide Locations | Planning and Design | 9,829 | 9,829 |
| Army Res | Unspecified Worldwide Locations | Unspecified Minor Construction | 20,049 | 20,049 |
| Army Res | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 37,300 |
| | **Military Construction, Army Reserve Total** | | **99,878** | **137,178** |
| | Worldwide Unspecified | | | |
| N/MC Res | Unspecified Worldwide Locations | MCNR Unspecified Minor Construction | 27,747 | 18,747 |
| N/MC Res | Unspecified Worldwide Locations | USMCR Planning and Design | 2,590 | 2,590 |
| N/MC Res | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 19,500 |
| | **Military Construction, Naval Reserve Total** | | **30,337** | **40,837** |
| | Alabama | | | |
| Air NG | Birmingham International Airport | Security and Services Training Facility | 7,500 | 7,500 |
| Air NG | Montgomery | F–35 Weapons Load Crew Training Facility | 0 | 6,800 |
| | Arizona | | | |
| Air NG | Morris Air National Guard Base | Base Entry Complex | | 12,000 |
| Air NG | Tucson International Airport | Land Acquisition | 10,000 | 10,000 |
| | Florida | | | |
| Air NG | Jacksonville Air National Guard Base | F–35 Construct Munitions Storage Area Admin-Jacksonville IAP Design. | 0 | 730 |
| Air NG | Jacksonville Air National Guard Base | F–35 Munitions Maintenance and Inspection Facility Design. | 0 | 530 |
| Air NG | Jacksonville International Airport | F–35 Construct Flight Simulator Facility | 22,200 | 22,200 |
| | Indiana | | | |
| Air NG | Fort Wayne International Airport | Munitions Maintenance & Storage Complex | 12,800 | 12,800 |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| | Tennessee | | | |
| Air NG | McGhee-Tyson Airport | KC–135 Maintenance Shops | 23,800 | 23,800 |
| | Worldwide Unspecified | | | |
| Air NG | Unspecified Worldwide Locations | Planning and Design | 28,412 | 28,412 |
| Air NG | Unspecified Worldwide Locations | Unspecified Minor Construction | 44,171 | 44,171 |
| Air NG | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 122,900 |
| | **Military Construction, Air National Guard Total** | | **148,883** | **291,843** |
| | California | | | |
| AF Res | Beale Air Force Base | 940 ARW Squad OPS/AMU | 33,000 | 33,000 |
| | Virginia | | | |
| AF Res | Joint Base Langley-Eustis | Reserve Intelligence Group Facility | 0 | 10,500 |
| | Worldwide Unspecified | | | |
| AF Res | Unspecified Worldwide Locations | Planning & Design | 11,773 | 11,773 |
| AF Res | Unspecified Worldwide Locations | Unspecified Minor Military Construction | 11,850 | 11,850 |
| AF Res | Various Worldwide Locations | Cost to Complete- Inflation Adjustment | 0 | 46,600 |
| | **Military Construction, Air Force Reserve Total** | | **56,623** | **113,723** |
| | Germany | | | |
| FH Con Army | Baumholder | Family Housing Replacement Construction | 57,000 | 57,000 |
| | Italy | | | |
| FH Con Army | Vicenza | Family Housing New Construction | 95,000 | 95,000 |
| | Worldwide Unspecified | | | |
| FH Con Army | Unspecified Worldwide Locations | Family Housing P & D | 17,339 | 17,339 |
| | **Family Housing Construction, Army Total** | | **169,339** | **169,339** |
| | Worldwide Unspecified | | | |
| FH Ops Army | Unspecified Worldwide Locations | Furnishings | 22,911 | 22,911 |
| FH Ops Army | Unspecified Worldwide Locations | Housing Privatization Support | 65,740 | 65,740 |
| FH Ops Army | Unspecified Worldwide Locations | Leasing | 127,499 | 127,499 |
| FH Ops Army | Unspecified Worldwide Locations | Maintenance | 117,555 | 117,555 |
| FH Ops Army | Unspecified Worldwide Locations | Management | 45,718 | 45,718 |
| FH Ops Army | Unspecified Worldwide Locations | Miscellaneous | 559 | 559 |
| FH Ops Army | Unspecified Worldwide Locations | Services | 9,580 | 9,580 |
| FH Ops Army | Unspecified Worldwide Locations | Utilities | 46,849 | 46,849 |
| | **Family Housing Operation And Maintenance, Army Total** | | **436,411** | **436,411** |
| | Guam | | | |
| FH Con Navy | Joint Region Marianas | Replace Andersen Housing Ph VI | 68,985 | 68,985 |
| | Mariana Islands | | | |
| FH Con Navy | Guam | Replace Andersen Housing Ph IV | 86,390 | 86,390 |
| FH Con Navy | Guam | Replace Andersen Housing Ph V | 93,259 | 93,259 |
| | Worldwide Unspecified | | | |
| FH Con Navy | Unspecified Worldwide Locations | Design, Washington DC | 7,043 | 7,043 |
| FH Con Navy | Unspecified Worldwide Locations | Improvements, USMC HQ Washington DC | 74,540 | 74,540 |
| FH Con Navy | Unspecified Worldwide Locations | USMC DPRI/Guam Planning and Design | 7,080 | 7,080 |
| | **Family Housing Construction, Navy And Marine Corps Total** | | **337,297** | **337,297** |
| | Worldwide Unspecified | | | |
| FH Ops Navy | Unspecified Worldwide Locations | Furnishings | 16,182 | 16,182 |
| FH Ops Navy | Unspecified Worldwide Locations | Housing Privatization Support | 61,605 | 61,605 |
| FH Ops Navy | Unspecified Worldwide Locations | Leasing | 66,333 | 66,333 |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| FH Ops Navy | Unspecified Worldwide Locations | Maintenance | 105,470 | 105,470 |
| FH Ops Navy | Unspecified Worldwide Locations | Management | 59,312 | 59,312 |
| FH Ops Navy | Unspecified Worldwide Locations | Miscellaneous | 411 | 411 |
| FH Ops Navy | Unspecified Worldwide Locations | Services | 16,494 | 16,494 |
| FH Ops Navy | Unspecified Worldwide Locations | Utilities | 42,417 | 42,417 |
| | **Family Housing Operation And Maintenance, Navy And Marine Corps Total** | | **368,224** | **368,224** |
| | Delaware | | | |
| FH Con AF | Dover AFB | Dover MHPI Restructure | 25,492 | 25,492 |
| | Florida | | | |
| FH Con AF | Tyndall AFB | AETC Restructuring | 150,685 | 150,685 |
| | Illinois | | | |
| FH Con AF | Scott AFB | Scott MHPI Restructure | 52,003 | 52,003 |
| | Maryland | | | |
| FH Con AF | Andrews AFB | MHPI Equity Contribution CMSSF House | 1,878 | 1,878 |
| | Worldwide Unspecified | | | |
| FH Con AF | Unspecified Worldwide Locations | Planning & Design | 2,730 | 2,730 |
| | **Family Housing Construction, Air Force Total** | | **232,788** | **232,788** |
| | Worldwide Unspecified | | | |
| FH Ops AF | Unspecified Worldwide Locations | Furnishings | 27,379 | 27,379 |
| FH Ops AF | Unspecified Worldwide Locations | Housing Privatization | 33,517 | 33,517 |
| FH Ops AF | Unspecified Worldwide Locations | Leasing | 7,882 | 7,882 |
| FH Ops AF | Unspecified Worldwide Locations | Maintenance | 150,375 | 150,375 |
| FH Ops AF | Unspecified Worldwide Locations | Management | 77,042 | 77,042 |
| FH Ops AF | Unspecified Worldwide Locations | Miscellaneous | 2,240 | 2,240 |
| FH Ops AF | Unspecified Worldwide Locations | Services | 10,570 | 10,570 |
| FH Ops AF | Unspecified Worldwide Locations | Utilities | 46,217 | 46,217 |
| | **Family Housing Operation And Maintenance, Air Force Total** | | **355,222** | **355,222** |
| | Worldwide Unspecified | | | |
| FH Ops DW | Unspecified Worldwide Locations | Furnishings—DIA | 656 | 656 |
| FH Ops DW | Unspecified Worldwide Locations | Furnishings—NSA | 87 | 87 |
| FH Ops DW | Unspecified Worldwide Locations | Leasing—DIA | 31,849 | 31,849 |
| FH Ops DW | Unspecified Worldwide Locations | Leasing—NSA | 13,306 | 13,306 |
| FH Ops DW | Unspecified Worldwide Locations | Maintenance—NSA | 34 | 34 |
| FH Ops DW | Unspecified Worldwide Locations | Utilities—DIA | 4,166 | 4,166 |
| FH Ops DW | Unspecified Worldwide Locations | Utilities—NSA | 15 | 15 |
| | **Family Housing Operation And Maintenance, Defense-Wide Total** | | **50,113** | **50,113** |
| | Worldwide Unspecified | | | |
| FHIF | Unspecified Worldwide Locations | Administrative Expenses—FHIF | 6,442 | 6,442 |
| | **DOD Family Housing Improvement Fund Total** | | **6,442** | **6,442** |
| | Worldwide Unspecified | | | |
| UHIF | Unspecified Worldwide Locations | Administrative Expenses—UHIF | 494 | 494 |
| | **Unaccompanied Housing Improvement Fund Total** | | **494** | **494** |

**SEC. 4601. MILITARY CONSTRUCTION**
**(In Thousands of Dollars)**

| Account | State/Country and Installation | Project Title | FY 2023 Request | House Agreement |
|---|---|---|---|---|
| BRAC | Worldwide Unspecified Base Realignment & Closure, Army | Base Realignment and Closure | 67,706 | 117,706 |
| | **Base Realignment and Closure—Army Total** | | **67,706** | **117,706** |
| BRAC | Worldwide Unspecified Unspecified Worldwide Locations | Base Realignment & Closure | 106,664 | 156,664 |
| | **Base Realignment and Closure—Navy Total** | | **106,664** | **156,664** |
| BRAC | Worldwide Unspecified Unspecified Worldwide Locations | DOD BRAC Activities—Air Force | 107,311 | 107,311 |
| | **Base Realignment and Closure—Air Force Total** | | **107,311** | **107,311** |
| BRAC | Worldwide Unspecified Unspecified Worldwide Locations | Int–4: DLA Activities | 3,006 | 3,006 |
| | **Base Realignment and Closure—Defense-wide Total** | | **3,006** | **3,006** |
| | **Total, Military Construction** | | **12,153,965** | **16,468,588** |

# TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

## SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**
**(In Thousands of Dollars)**

| Program | FY 2023 Request | House Authorized |
|---|---|---|
| **Discretionary Summary By Appropriation** | | |
| **Energy And Water Development, And Related Agencies Appropriation Summary:** | | |
| **Energy Programs** | | |
| Nuclear Energy | 156,600 | 156,600 |
| **Atomic Energy Defense Activities** | | |
| **National nuclear security administration:** | | |
| Weapons activities | 16,486,298 | 17,210,798 |
| Defense nuclear nonproliferation | 2,346,257 | 2,348,257 |
| Naval reactors | 2,081,445 | 2,081,445 |
| Federal salaries and expenses | 496,400 | 496,400 |
| **Total, National Nuclear Security Administration** | **21,410,400** | **22,136,900** |
| **Environmental and other defense activities:** | | |
| Defense environmental cleanup | 6,914,532 | 7,229,203 |
| Other defense activities | 978,351 | 978,351 |
| **Total, Environmental & other defense activities** | **7,892,883** | **8,207,554** |
| **Total, Atomic Energy Defense Activities** | **29,303,283** | **30,344,454** |
| **Total, Discretionary Funding** | **29,459,883** | **30,501,054** |
| **Nuclear Energy** | | |
| Idaho sitewide safeguards and security | 156,600 | 156,600 |
| **Total, Nuclear Energy** | **156,600** | **156,600** |
| **Stockpile Management** | | |
| **Stockpile Major Modernization** | | |

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**
**(In Thousands of Dollars)**

| Program | FY 2023 Request | House Authorized |
|---|---|---|
| B61–12 Life Extension Program | 672,019 | 672,019 |
| W88 Alteration Program | 162,057 | 162,057 |
| W80–4 Life Extension Program | 1,122,451 | 1,117,451 |
| W80–4 ALT SLCM | 0 | 20,000 |
| Research and development for a nuclear warhead for a nuclear-capable sea-launched cruise missile | | [20,000] |
| W87–1 Modification Program | 680,127 | 680,127 |
| W93 Program | 240,509 | 240,509 |
| **Total, Stockpile Major Modernization** | **2,877,163** | **2,892,163** |
| **Stockpile services** | | |
| Stockpile Sustainment | 1,321,139 | 1,321,139 |
| Weapons Dismantlement and Disposition | 50,966 | 50,966 |
| Production Operations | 630,894 | 630,894 |
| Nuclear Enterprise Assurance | 48,911 | 48,911 |
| **Subtotal, Stockpile Services** | **2,051,910** | **2,051,910** |
| **Total, Stockpile Management** | **4,929,073** | **4,944,073** |
| **Weapons Activities** | | |
| **Production Modernization** | | |
| **Primary Capability Modernization** | | |
| **Plutonium Modernization** | | |
| **Los Alamos Plutonium Modernization** | | |
| Los Alamos Plutonium Operations | 767,412 | 767,412 |
| 21–D–512 Plutonium Pit Production Project, LANL | 588,234 | 588,234 |
| 15–D–302 TA–55 Reinvestments Project, Phase 3, LANL | 30,002 | 30,002 |
| 07–D–220-04 Transuranic Liquid Waste Facility, LANL | 24,759 | 24,759 |
| 04–D–125 Chemistry and Metallurgy Research Replacement Project, LANL | 162,012 | 162,012 |
| **Subtotal, Los Alamos Plutonium Modernization** | **1,572,419** | **1,572,419** |
| **Savannah River Plutonium Modernization** | | |
| Savannah River Plutonium Operations | 58,300 | 58,300 |
| 21–D–511 Savannah River Plutonium Processing Facility, SRS | 700,000 | 1,075,000 |
| NNSA unfunded priority | | [375,000] |
| **Subtotal, Savannah River Plutonium Modernization** | **758,300** | **1,133,300** |
| Enterprise Plutonium Support | 88,993 | 88,993 |
| **Total, Plutonium Modernization** | **2,419,712** | **2,794,712** |
| **High Explosives and Energetics** | | |
| High Explosives & Energetics | 101,380 | 101,380 |
| HESE OPCs | 0 | 0 |
| 23–D–516 Energetic Materials Characterization Facility, LANL | 19,000 | 19,000 |
| 21–D–510 HE Synthesis, Formulation, and Production, PX | 108,000 | 133,000 |
| Project risk reduction | | [25,000] |
| 15–D–301 HE Science & Engineering Facility, PX | 20,000 | 30,000 |
| Project risk reduction | | [10,000] |
| **Total, High Explosives and Energetics** | **248,380** | **283,380** |
| **Total, Primary Capability Modernization** | **2,668,092** | **3,078,092** |
| **Secondary Capability Modernization** | | |
| Uranium Modernization | 297,531 | 297,531 |
| Depleted Uranium Modernization | 170,171 | 170,171 |
| Lithium Modernization | 68,661 | 68,661 |
| 18–D–690 Lithium Processing Facility, Y–12 | 216,886 | 216,886 |
| 06–D–141 Uranium Processing Facility, Y–12 | 362,000 | 362,000 |
| **Total, Secondary Capability Modernization** | **1,115,249** | **1,115,249** |
| **Tritium and Domestic Uranium Enrichment** | | |
| Tritium Sustainment and Modernization | 361,797 | 361,797 |
| Domestic Uranium Enrichment | 144,852 | 144,852 |
| 18–D–650 Tritium Finishing Facility, SRS | 73,300 | 73,300 |
| **Total, Tritium and Domestic Uranium Enrichment** | **579,949** | **579,949** |
| Non-Nuclear Capability Modernization | 123,084 | 123,084 |
| Capability Based Investments | 154,220 | 154,220 |
| **Total, Production Modernization** | **4,640,594** | **5,050,594** |

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**
**(In Thousands of Dollars)**

| Program | FY 2023 Request | House Authorized |
|---|---|---|
| **Stockpile Research, Technology, and Engineering** | | |
| Assessment Science | 854,798 | 914,798 |
| Enhanced Capability for Subcritical Experiments (ECSE) and Hydrodynamic and Subcritical Experiment Execution Support. | | [70,000] |
| Program decrease | | [–10,000] |
| Engineering and Integrated Assessments | 366,455 | 366,455 |
| Inertial Confinement Fusion | 544,095 | 624,095 |
| Advanced Simulation and Computing | 742,646 | 842,146 |
| Weapon Technology and Manufacturing Maturation | 286,165 | 296,165 |
| Academic Programs | 100,499 | 100,499 |
| **Total, Stockpile Research, Technology, and Engineering** | **2,894,658** | **3,144,158** |
| **Infrastructure and Operations** | | |
| Operations of facilities | 1,038,000 | 1,038,000 |
| Safety and environmental operations | 162,000 | 162,000 |
| Maintenance and repair of facilities | 680,000 | 730,000 |
| Deferred maintenance | | [50,000] |
| **Recapitalization:** | | |
| Infrastructure and safety | 561,663 | 561,663 |
| **Total, Recapitalization** | **561,663** | **561,663** |
| **Construction:** | | |
| 23–D–519 Special Materials Facility, Y–12 | 49,500 | 49,500 |
| 23–D–518 Plutonium Modernization Operations & Waste Management Office Building, LANL | 48,500 | 48,500 |
| 23–D–517 Electrical Power Capacity Upgrade, LANL | 24,000 | 24,000 |
| 22–D–514 Digital Infrastructure Capability Expansion, LLNL | 67,300 | 67,300 |
| **Total, Construction** | **189,300** | **189,300** |
| **Total, Infrastructure and operations** | **2,630,963** | **2,680,963** |
| **Secure transportation asset** | | |
| Operations and equipment | 214,367 | 214,367 |
| Program direction | 130,070 | 130,070 |
| **Total, Secure transportation asset** | **344,437** | **344,437** |
| **Defense Nuclear Security** | | |
| Operations and Maintenance | 878,363 | 878,363 |
| Construction: | | 0 |
| 17–D–710 West end protected area reduction project, Y–12 | 3,928 | 3,928 |
| **Total, Defense nuclear security** | **882,291** | **882,291** |
| Information technology and cybersecurity | 445,654 | 445,654 |
| Legacy contractor pensions | 114,632 | 114,632 |
| Use of Prior Year Balances | –396,004 | –396,004 |
| **Total, Weapons Activities** | **16,486,298** | **17,210,798** |
| **Defense Nuclear Nonproliferation** | | |
| **Defense Nuclear Nonproliferation Programs** | | |
| **Global material security** | | |
| International nuclear security | 81,155 | 83,155 |
| NA–82 Counterproliferation classified program increase | | [2,000] |
| Radiological security | 244,827 | 244,827 |
| Nuclear smuggling detection and deterrence | 178,095 | 188,095 |
| **Total, Global material security** | **504,077** | **516,077** |
| **Material management and minimization** | | |
| Conversion | 153,260 | 153,260 |
| Nuclear material removal | 41,600 | 41,600 |
| Material disposition | 256,025 | 256,025 |
| **Total, Material management & minimization** | **450,885** | **450,885** |
| Nonproliferation and arms control | 207,656 | 207,656 |
| **Defense nuclear nonproliferation R&D** | | |
| Proliferation Detection | 287,283 | 287,283 |
| Nuclear Detonation Detection | 279,205 | 289,205 |
| Forensics R&D | 44,414 | 44,414 |
| Nonproliferation Stewardship Program | 109,343 | 109,343 |
| **Total, Defense nuclear nonproliferation R&D** | **720,245** | **730,245** |

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**
**(In Thousands of Dollars)**

| Program | FY 2023 Request | House Authorized |
|---|---|---|
| NNSA Bioassurance Program | 20,000 | 0 |
| **Nonproliferation Construction:** | | |
| 18–D–150 Surplus Plutonium Disposition Project, SRS | 71,764 | 71,764 |
| **Total, Nonproliferation construction** | **71,764** | **71,764** |
| **Total, Defense Nuclear Nonproliferation Programs** | **1,974,627** | **1,976,627** |
| Legacy contractor pensions | 55,708 | 55,708 |
| Nuclear counterterrorism and incident response program | 438,970 | 438,970 |
| Use of prior-year balances | –123,048 | –123,048 |
| **Total, Defense Nuclear Nonproliferation** | **2,346,257** | **2,348,257** |
| **Naval Reactors** | | |
| Naval reactors development | 798,590 | 798,590 |
| Columbia-Class reactor systems development | 53,900 | 53,900 |
| S8G Prototype refueling | 20,000 | 20,000 |
| Naval reactors operations and infrastructure | 695,165 | 695,165 |
| **Construction:** | | |
| 23–D–533 BL Component Test Complex | 57,420 | 57,420 |
| 14–D–901 Spent Fuel Handling Recapitalization Project, NRF | 397,845 | 397,845 |
| **Total, Construction** | **455,265** | **455,265** |
| Program direction | 58,525 | 58,525 |
| **Total, Naval Reactors** | **2,081,445** | **2,081,445** |
| **Federal Salaries And Expenses** | | |
| Program direction | 513,200 | 513,200 |
| Use of Prior Year Balances | –16,800 | –16,800 |
| **Total, Office Of The Administrator** | **496,400** | **496,400** |
| **Defense Environmental Cleanup** | | |
| **Closure sites:** | | |
| Closure sites administration | 4,067 | 4,067 |
| **Richland:** | | |
| River corridor and other cleanup operations | 135,000 | 221,000 |
| Central plateau remediation | 650,240 | 672,240 |
| Richland community and regulatory support | 10,013 | 10,013 |
| **Construction:** | | |
| 18–D–404 Modification of Waste Encapsulation and Storage Facility | 3,100 | 3,100 |
| 22–D–401 L–888, 400 Area Fire Station | 3,100 | 3,100 |
| 22–D–402 L–897, 200 Area Water Treatment Facility | 8,900 | 8,900 |
| 23–D–404 181D Export Water System Reconfiguration and Upgrade | 6,770 | 6,770 |
| 23–D–405 181B Export Water System Reconfiguration and Upgrade | 480 | 480 |
| **Total, Construction** | **22,350** | **22,350** |
| **Total, Hanford site** | **817,603** | **925,603** |
| **Office of River Protection:** | | |
| Waste Treatment Immobilization Plant Commissioning | 462,700 | 462,700 |
| Rad liquid tank waste stabilization and disposition | 801,100 | 801,100 |
| **Construction:** | | |
| 23–D–403, Hanford 200 West Area Tank Farms Risk Management Project | 4,408 | 45,000 |
| 01–D–16D High-Level Waste Facility | 316,200 | 358,939 |
| 01–D–16E Pretreatment Facility | 20,000 | 20,000 |
| **Total, Construction** | **340,608** | **423,939** |
| **Total, Office of River Protection** | **1,604,408** | **1,687,739** |
| **Idaho National Laboratory:** | | |
| Idaho cleanup and waste disposition | 350,658 | 350,658 |
| Idaho community and regulatory support | 2,705 | 2,705 |
| **Construction:** | | |
| 22–D–403 Idaho Spent Nuclear Fuel Staging Facility | 8,000 | 8,000 |

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**
**(In Thousands of Dollars)**

| Program | FY 2023 Request | House Authorized |
|---|---|---|
| 22–D–404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project | 8,000 | 8,000 |
| 23–D–402—Calcine Construction | 10,000 | 10,000 |
| **Total, Construction** | **26,000** | **26,000** |
| **Total, Idaho National Laboratory** | **379,363** | **379,363** |
| **NNSA sites and Nevada off-sites** | | |
| Lawrence Livermore National Laboratory | 1,842 | 1,842 |
| LLNL Excess Facilities D&D | 12,004 | 12,004 |
| **Nuclear facility D & D** | | |
| Separations Process Research Unit | 15,300 | 15,300 |
| Nevada Site | 62,652 | 62,652 |
| Sandia National Laboratories | 4,003 | 4,003 |
| Los Alamos National Laboratory | 286,316 | 286,316 |
| Los Alamos Excess Facilities D&D | 40,519 | 40,519 |
| **Total, NNSA sites and Nevada off-sites** | **422,636** | **422,636** |
| **Oak Ridge Reservation:** | | |
| OR Nuclear facility D & D | 334,221 | 334,221 |
| **Total, OR Nuclear facility D & D** | **334,221** | **334,221** |
| U233 Disposition Program | 47,628 | 47,628 |
| OR cleanup and disposition | 62,000 | 62,000 |
| **Construction:** | | |
| 17–D–401 On-site waste disposal facility | 35,000 | 35,000 |
| **Total, Construction** | **35,000** | **35,000** |
| **Total, OR cleanup and waste disposition** | **144,628** | **144,628** |
| OR community & regulatory support | 5,300 | 5,300 |
| OR technology development and deployment | 3,000 | 3,000 |
| **Total, Oak Ridge Reservation** | **487,149** | **487,149** |
| **Savannah River Sites:** | | |
| Savannah River risk management operations | 416,317 | 460,317 |
| **Construction:** | | |
| 18–D–402 Emergency Operations Center Replacement, SR | 25,568 | 25,568 |
| 19–D–701 SR Security Systems Replacement | 5,000 | 5,000 |
| **Total, risk management operations** | **30,568** | **30,568** |
| Savannah River Legacy Pensions | 132,294 | 132,294 |
| Savannah River National Laboratory O&M | 41,000 | 41,000 |
| SR community and regulatory support | 12,137 | 12,137 |
| Radioactive liquid tank waste stabilization and disposition | 851,660 | 931,000 |
| **Construction:** | | |
| 20-D–401 Saltstone Disposal Unit #10, 11, 12 | 37,668 | 37,668 |
| 18–D–402 Saltstone disposal unit #8/9 | 49,832 | 49,832 |
| **Total, Construction** | **87,500** | **87,500** |
| **Total, Savannah River site** | **1,571,476** | **1,694,816** |
| **Waste Isolation Pilot Plant** | | |
| Waste Isolation Pilot Plant | 371,943 | 371,943 |
| **Construction:** | | |
| 15–D–411 Safety significant confinement ventilation system, WIPP | 59,073 | 59,073 |
| 15–D–412 Exhaust Shaft, WIPP | 25,000 | 25,000 |
| **Total, Construction** | **84,073** | **84,073** |
| **Total, Waste Isolation Pilot Plant** | **456,016** | **456,016** |
| Program Direction | 317,002 | 317,002 |
| Program Support | 103,239 | 103,239 |
| Safeguards and Security | 309,573 | 309,573 |
| Technology Development and Deployment | 25,000 | 25,000 |
| Federal Contribution to the Uranium Enrichment D&D Fund | 417,000 | 417,000 |
| **Total, Defense Environmental Cleanup** | **6,914,532** | **7,229,203** |
| **Other Defense Activities** | | |
| **Environment, health, safety and security** | | |
| Environment, health, safety and security | 138,854 | 138,854 |
| Program direction | 76,685 | 76,685 |
| **Total, Environment, Health, safety and security** | **215,539** | **215,539** |

| SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars) | | |
|---|---|---|
| **Program** | **FY 2023 Request** | **House Authorized** |
| **Independent enterprise assessments** | | |
| Independent enterprise assessments | 27,486 | 27,486 |
| Program direction | 57,941 | 57,941 |
| **Total, Independent enterprise assessments** | **85,427** | **85,427** |
| Specialized security activities | 306,067 | 306,067 |
| **Office of Legacy Management** | | |
| Legacy management | 174,163 | 174,163 |
| Program direction | 21,983 | 21,983 |
| **Total, Office of Legacy Management** | **196,146** | **196,146** |
| Defense related administrative support | 170,695 | 170,695 |
| Office of hearings and appeals | 4,477 | 4,477 |
| **Subtotal, Other defense activities** | **978,351** | **978,351** |
| **Total, Other Defense Activities** | **978,351** | **978,351** |

# DIVISION E—NON-DEPARTMENT OF DEFENSE MATTERS

# TITLE LI—VETERANS AFFAIRS MATTERS

### SEC. 5101. MAXIMUM RATE OF INTEREST ON DEBTS INCURRED BEFORE MILITARY SERVICE APPLICABLE TO MILITARY DEPENDENTS.

Section 207 of the Servicemembers Civil Relief Act (50 U.S.C. 3937) is amended—

(1) in subsection (a)—

(A) in paragraph (1), by striking ''or the servicemember and the servicemember's spouse jointly'' and inserting ''a dependent of the servicemember, or such a dependent and the servicemember jointly''; and

(B) in paragraph (3), by inserting ''or a dependent of the servicemember'' after ''due from a servicemember''; and

(2) in subsection (b)(1)—

(A) in the paragraph heading, by inserting ''AND DEPENDENCY'' after ''MILITARY SERVICE'';

(B) in subparagraph (A)—

(i) by striking ''of the servicemember'';

(ii) by striking clause (i) and inserting the following:

''(i) military orders indicating the current, future, or past military duty status of the servicemember; or''; and

(iii) in clause (ii), by inserting ''or a certificate from the Defense Manpower Data Center'' before the period at the end;

(C) by redesignating subparagraph (B) as subparagraph (C); and

(D) by inserting the following after subparagraph (A):

''(B) DEPENDENTS.—In addition to providing proof of military service under subparagraph (A), dependents of servicemembers shall

provide documentation that indicates the dependency status of the dependent at the time the debt or obligation was incurred and continuing until the servicemember entered military service. Such documentation may include a marriage certificate, birth certificate, or any other appropriate indicator of dependency status.''; and

(3) in subsection (c), by inserting '', dependent, or both, as the case may be,'' after ''ability of the servicemember''.

**SEC. 5102. REPORT ON HANDLING OF CERTAIN RECORDS OF THE DEPARTMENT OF VETERANS AFFAIRS.**

(a) REPORT.—Not later than one year after the date of the enactment of this Act, the Inspector General of the Department of Veterans Affairs, in coordination with the Secretary of Defense, shall submit to Congress a report on how the procedures outlined in M21-1 III.ii.2.F.1. of the Adjudication Procedures Manual of the Department of Veterans Affairs are followed in assisting veterans obtain or reconstruct service records and medical information damaged or destroyed in the July 1973 fire at the National Processing Records Center.

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

(1) The determination of the Inspector General whether employees of the Department of Veterans Affairs receive sufficient training on such procedures.

(2) The determination of the Inspector General whether veterans are informed of actions necessary to adhere to such procedures.

(3) The percentage of cases regarding such service records and medical information in which employees of the Department of Veterans Affairs follow such procedures.

(4) The average time it takes to resolve an issue using such procedures.

(5) Recommendations to improve the implementation of such procedures.

# TITLE LII—HOMELAND SECURITY MATTERS

**SEC. 5201. CHEMICAL SECURITY ANALYSIS CENTER.**

(a) IN GENERAL.—Title III of the Homeland Security Act of 2002 (6 U.S.C. 181 et seq.) is amended by adding at the end the following new section:

**"SEC. 323. CHEMICAL SECURITY ANALYSIS CENTER.**

''(a) IN GENERAL.—The Secretary, acting through the Under Secretary for Science and Technology, shall designate the laboratory described in subsection (b) as an additional laboratory pursuant to the authority under section 308(c)(2). Such laboratory shall be used to conduct studies and analyses for assessing the threat and hazards associated with an accidental or intentional large-scale chemical event or chemical terrorism event.

''(b) LABORATORY DESCRIBED.—The laboratory described in this subsection is the laboratory known, as of the date of the enactment of this section, as the Chemical Security Analysis Center.

''(c) LABORATORY ACTIVITIES.—The Chemical Security Analysis Center shall—

''(1) identify and develop countermeasures to chemical threats, including the development of comprehensive, research-based definable goals for such countermeasures;

''(2) provide an enduring science-based chemical threat and hazard analysis capability;

''(3) provide expertise in risk and consequence modeling, chemical sensing and detection, analytical chemistry, chemical toxicology, synthetic chemistry and reaction characterization, and nontraditional chemical agents and emerging chemical threats;

''(4) staff and operate a technical assistance program that provides operational support and subject matter expertise, design and execute laboratory and field tests, and provide a comprehensive knowledge repository of chemical threat information that is continuously updated with data from scientific, intelligence, operational, and private sector sources; and

''(5) carry out such other activities as the Secretary determines appropriate.

''(d) RULE OF CONSTRUCTION.—Nothing in this section may be construed as affecting in any manner the authorities or responsibilities of the Countering Weapons of Mass Destruction Office of the Department.''.

(b) CLERICAL AMENDMENT.—The table of contents in section 1(b) of the Homeland Security Act of 2002 amended by inserting after the item relating to section 322 the following new item:

''Sec. 323. Chemical Security Analysis Center.''.

**SEC. 5202. NATIONAL CYBERSECURITY PREPAREDNESS CONSORTIUM.**

The National Cybersecurity Preparedness Consortium Act of 2021 (Public Law 117–122; 6 U.S.C. 652 note) is amended—

(1) in subsections (a) and (b), by striking ''The Secretary may work with one or more consortia''

each place it appears and inserting ''The Secretary shall work with not fewer than three consortia'';

(2) in subsection (c)—

(A) in the matter preceding paragraph (1), by striking ''In selecting a consortium'' and inserting ''In selecting the consortia''; and

(B) in paragraph (2), by striking ''Geographic diversity of the members of any such consortium'' and inserting ''Regional diversity of such consortia, and geographic diversity of the members of such consortia,''; and

(3) in subsection (d), by striking ''If the Secretary works with a consortium'' and inserting ''In working with the consortia''.

**SEC. 5203. REPORT ON CYBERSECURITY ROLES AND RESPONSIBILITIES OF THE DEPARTMENT OF HOMELAND SECURITY.**

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Homeland Security, in coordination with the Director of the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security, shall submit to the Committee on Homeland Security of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate a report on the roles and

responsibilities of the Department and its components relating to cyber incident response.

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

(1) A review of how the cyber incident response plans under section 2210(c) of the Homeland Security Act of 2002 (6 U.S.C. 660(c)) are utilized in the Federal Government's response to a cyber incident.

(2) An explanation of the roles and responsibilities of the Department of Homeland Security and its components with responsibility for, or in support of, the Federal Government's response to a cyber incident, including primary responsibility for working with impacted private sector entities.

(3) An explanation of which and how authorities of the Department and its components are utilized in the Federal Government's response to a cyber incident.

(4) Recommendations to provide further clarity for roles and responsibilities of the Department and its components relating to cyber incident response.

**SEC. 5204. EXEMPTION OF CERTAIN HOMELAND SECURITY FEES FOR CERTAIN IMMEDIATE RELATIVES OF AN INDIVIDUAL WHO RECEIVED THE PURPLE HEART.**

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Homeland Security shall include on a certain application or petition an opportunity for certain immediate relatives of an individual who was awarded the Purple Heart to identify themselves as such an immediate relative.

(b) FEE EXEMPTION.—The Secretary shall exempt certain immediate relatives of an individual who was awarded the Purple Heart, who identifies as such an immediate relative on a certain application or petition, from a fee with respect to a certain application or petition and any associated fee for biometrics.

(c) PENDING APPLICATIONS AND PETITIONS.—The Secretary of Homeland Security may waive fees for a certain application or petition and any associated fee for biometrics for certain immediate relatives of an individual who was awarded the Purple Heart, if such application or petition is submitted not more than 90 days after the date of the enactment of this Act.

(d) DEFINITIONS.—In this section:

(1) CERTAIN APPLICATION OR PETITION.—The term ''certain application or petition'' means—

(A) an application using Form–400, Application for Naturalization (or any successor form); or

(B) a petition using Form I-360, Petition for Amerasian, Widow(er), or Special Immigrant (or any successor form).

(2) CERTAIN IMMEDIATE RELATIVES OF AN INDIVIDUAL WHO WAS AWARDED THE PURPLE HEART.—The term ''certain immediate relatives of an individual who was awarded the Purple Heart'' means an immediate relative of a living or deceased member of the Armed Forces who was awarded the Purple Heart and who is not a person ineligible for military honors pursuant to section 985(a) of title 10, United States Code.

(3) IMMEDIATE RELATIVE.—The term ''immediate relative'' has the meaning given such term in section 201(b) of the Immigration and Nationality Act (8 U.S.C. 1151(b)).

**SEC. 5205. CLARIFICATIONS REGARDING SCOPE OF EMPLOYMENT AND REEMPLOYMENT RIGHTS OF MEMBERS 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 subparagraph:

''(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 unenforceable, 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.''.

# TITLE LIII—TRANSPORTATION AND INFRASTRUCTURE MATTERS

**SEC. 5301. CALCULATION OF ACTIVE SERVICE.**

(a) IN GENERAL.—Subchapter I of chapter 25 of title 14, United States Code, is amended by adding at the end the following:

**"§ 2515. Calculation of active service**

''Any service described, including service described prior to the date of enactment of the Don Young Coast Guard Authorization Act of 2022, in writing, including by electronic communication, by a representative of the Coast Guard Personnel Service Center as service that counts toward total active service for regular retirement under section 2152 or section 2306 shall be considered by the President as active service for purposes of applying section 2152 or section 2306 with respect to the determination of the retirement qualification for any officer or enlisted member to whom a description was provided.''.

(b) CLERICAL AMENDMENT.—The analysis for chapter 25 of title 14, United States Code, is amended by inserting after the item relating to section 2515 the following:

''2515. Calculation of active service.''.

(c) RULE OF CONSTRUCTION.—The amendment made by subsection (a) shall apply to officers and enlisted members that—

(1) have retired from the Coast Guard before the date of enactment of this Act;

(2) voluntarily separated from service before the date of enactment of this Act; or

(3) are serving in the Coast Guard on or after the date of enactment of this Act.

**SEC. 5302. ACQUISITION OF ICEBREAKER.**

(a) IN GENERAL.—The Commandant of the Coast Guard may acquire or procure an available icebreaker.

(b) EXEMPTIONS FROM REQUIREMENTS.—Sections 1131, 1132, 1133, and 1171 of title 14, United States Code, shall not apply to an acquisition or procurement under subsection (a).

(c) AVAILABLE ICEBREAKER DEFINED.—In this section, the term ''available icebreaker'' means a vessel that—

(1) is capable of—

(A) supplementing United States Coast Guard polar icebreaking capabilities;

(B) projecting United States sovereignty;

(C) carrying out the primary duty of the Coast Guard described in section 103(7) of title 14, United States Code; and

(D) collecting hydrographic, environmental, and climate data; and

(2) is documented with a coastwise endorsement under chapter 121 of title 46, United States Code.

(d) AUTHORIZATION OF APPROPRIATIONS.—Of the amounts authorized under section 4902 of title 14, United States Code, as amended by this Act, for fiscal year 2023 up to $150,000,000 is authorized for the acquisition or procurement of an available icebreaker.

**SEC. 5303. DEPARTMENT OF DEFENSE CIVILIAN PILOTS.**

(a) ELIGIBILITY FOR CERTAIN RATINGS.—Not later than 18 months after the date of the enactment of this Act, the Administrator of the Federal Aviation Administration shall revise section 61.73 of title 14, Code of Federal Regulations, to ensure that a Department of Defense civilian pilot is eligible for a rating based on qualifications earned as a Department of Defense pilot, pilot instructor, or pilot examiner in the same manner that a military pilot is eligible for such a rating based on qualifications earned as a military pilot, pilot instructor, or pilot examiner.

(b) DEFINITIONS.—In this section:

(1) DEPARTMENT OF DEFENSE CIVILIAN PILOT.—

(A) IN GENERAL.—The term ''Department of Defense civilian pilot'' means an individual, other than a military pilot, who is employed as a pilot by the Department of Defense.

(B) EXCLUSION.—The term ''Department of Defense civilian pilot'' does not include a contractor of the Department of Defense.

(2) MILITARY PILOT.—The term ''military pilot'' means a military pilot, as such term is used in section 61.73 of title 14, Code of Federal Regulations (as in effect on the day before the date of the enactment of this Act).

**SEC. 5304. PILOT PROGRAM FOR SPACEFLIGHT RECOVERY OPERATIONS AT SEA.**

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the United States has the most advanced commercial space industry in the world;

(2) the United States domestic space sector creates jobs, demonstrates American global technological leadership, and is critical to the national defense; and

(3) the reliable, safe, and secure at-sea recovery of spaceflight components is necessary to sustain and further develop the commercial space enterprise, which is of vital importance to the national and economic security of the United States.

(b) ESTABLISHMENT.—

(1) IN GENERAL.—Not later than 30 days after the date of enactment of this Act, the Secretary shall establish and conduct a pilot program to oversee the operation and monitoring of remotely-controlled or unmanned spaceflight recovery vessels or platforms by eligible entities to—

(A) better understand the complexities of such operation and monitoring and potential risks to navigation safety and maritime workers;

(B) gather observational and performance data from monitoring the use of remotely-controlled or unmanned spaceflight recovery vessels and platforms; and

(C) assess and evaluate regulatory alternatives to guide the development of routine operation and monitoring of remotely-controlled or unmanned spaceflight recovery vessels and platforms.

(2) REQUIREMENTS.—In conducting the pilot program established under this section, the Secretary shall—

(A) ensure that authority provided under this section is necessary to ensure the life and safety of licensed and unlicensed maritime workers and other non-vessel operating personnel involved during operations regulated under this section; and

(B) consider experience and knowledge gained pursuant to implementation of the pilot program authorized under section 8343 of the Elijah E. Cummings Coast Guard Authorization Act of 2020 (46 U.S.C. 70034 note).

(c) AUTHORIZED ACTIVITIES.—

(1) IN GENERAL.—In conducting the pilot program under this section, the Secretary may allow an eligible entity to—

(A) carry out remote over-the-horizon monitoring operations related to the active recovery of spaceflight components at sea on a remotely-controlled or unmanned spaceflight recovery vessel or platform;

(B) develop procedures for the operation and monitoring of remotely-controlled or un-

manned spaceflight recovery vessels or platforms;

(C) carry out unmanned spaceflight recovery vessel transits and testing operations without a physical tow line; and

(D) carry out any other activities the Secretary determines to be in the interest of furthering the development of operations to recover spaceflight components at sea, including the use of remotely-controlled or unmanned vessels specifically designed, built, and used for domestic spaceflight recovery operations.

(2) PROHIBITION.—In conducting the pilot program under this section, the Secretary may not allow an eligible entity to operate a remotely-controlled or unmanned spaceflight recovery vessel without a physical tow line within 12 nautical miles of a port.

(d) INTERIM AUTHORITY.—In recognition of potential risks to navigation safety and unique circumstances requiring the use of remotely operated or unmanned spaceflight recovery vessels or platforms for recovery of spaceflight components at sea, and in carrying out the pilot program under this section, the Secretary is authorized to—

(1) allow such recovery operations to proceed consistent with the authorities of the Secretary under navigation and manning laws and regulations; and

(2) modify applicable regulations and guidance as the Secretary considers appropriate to—

(A) allow the recovery of spaceflight components at sea to occur while ensuring navigation safety in recovery areas; and

(B) ensure the reliable, safe, and secure operation of remotely controlled or unmanned spaceflight recovery vessels and platforms.

(e) DURATION.—The pilot program established under this section shall terminate on the day that is 5 years after the date on which the pilot program is established.

(f) PROHIBITION ON RULEMAKING.—

(1) IN GENERAL.—During the covered period, and except as provided in paragraph (2), the Secretary may not propose, issue, or implement a rule regarding the integration of automated and autonomous commercial vessels and vessel technologies, including artificial intelligence, into the United States maritime transportation system.

(2) NON-APPLICATION.—The prohibition authorized under paragraph (1) shall not apply to a rule that is—

(A) related to activities carried out under this section; and

(B) initiated due to a matter of national security, an emergency, or to prevent the imminent loss of life and property at sea.

(3) COVERED PERIOD DEFINED.—In this subsection, the term ''covered period'' means the period beginning on the date of enactment of this Act and ending on the later of—

(A) the date on which the International Maritime Organization adopts a regulatory regime including international standards to govern the use and operation of automated and autonomous commercial vessels and vessel technologies for commercial waterborne transportation; or

(B) the date on which the pilot program terminates under subsection (e).

(g) BRIEFINGS.—Upon the request of the Committee on Transportation and Infrastructure of the House of Representatives or the Committee on Commerce, Science, and Transportation of the Senate, the Commandant of the

Coast Guard shall brief either such committee on the pilot program established under this section.

(h) REPORT.—Not later than 180 days after the termination of the pilot program under subsection (e), the Secretary shall submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a final report describing the execution of such pilot program and recommendations for maintaining navigation safety and the safety of maritime workers in spaceflight recovery areas.

(i) RULE OF CONSTRUCTION.—Nothing in this section may be construed to authorize the employment in the coastwise trade of a vessel or platform that does not meet the requirements of sections 12112, 55102, 55103, or 55111 of title 46, United States Code.

(j) DEFINITIONS.—In this section:

(1) ELIGIBLE ENTITY.—The term ''eligible entity'' means any company engaged in the recovery of spaceflight components at sea.

(2) SECRETARY.—The term ''Secretary'' means the Secretary of the department in which the Coast Guard is operating.

**SEC. 5305. PORT INFRASTRUCTURE DEVELOPMENT GRANTS.**

(a) IN GENERAL.—From amounts appropriated for port infrastructure development grants under section 54301(a) of title 46, United States Code, after the date of enactment of this Act for each of fiscal years 2023 through 2027, the Secretary of Transportation shall treat a project described in subsection (b) as an eligible project under section 54301(a)(3) of such title for purposes of making grants under section 54301(a) of such title.

(b) PROJECT DESCRIBED.—A project described in this subsection is a project to provide shore power at a port that services passenger vessels described in section 3507(k) of title 46, United States Code.

# TITLE LIV—FINANCIAL SERVICES MATTERS

**SEC. 5401. MODIFICATION TO FINANCIAL INSTITUTION DEFINITION AND ESTABLISHMENT OF ANTI-MONEY LAUNDERING STRATEGY AND TASK FORCE.**

(a) IN GENERAL.—Section 5312(a)(2) of title 31, United States Code, as amended by the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021, is amended—

(1) by redesignating subparagraphs (Z) and (AA) as subparagraphs (GG) and (HH), respectively; and

(2) by inserting after subparagraph (Y) the following:

''(Z) a person engaged in the business of providing investment advice for compensation;

''(AA) a person engaged in the trade in works of art, antiques, or collectibles, including a dealer, advisor, consultant, custodian, gallery, auction house, museum, or any other person who engages as a business in the solicitation or the sale of works of art, antiques, or collectibles;

''(BB) an attorney, law firm, or notary involved in financial activity or related administrative activity on behalf of another person;

''(CC) a trust or company service provider, including—

''(i) a person involved in forming a corporation, limited liability company, trust, foundation, partnership, or other similar entity or arrangement;

''(ii) a person involved in acting as, or arranging for another person to act as, a

registered agent, trustee, or nominee to be a shareholder, officer, director, secretary, partner, signatory, or other similar position in relation to a person or arrangement;

''(iii) a person involved in providing a registered office, address, or other similar service for a person or arrangement; or

''(iv) any other person providing trust or company services, as defined by the Secretary of the Treasury;

''(DD) a certified public accountant or public accounting firm;

''(EE) a person engaged in the business of public relations, marketing, communications, or other similar services in such a manner as to provide another person anonymity or deniability; and

''(FF) a person engaged in the business of providing third-party payment services, including payment processing, check consolidation, cash vault services, or other similar services designated by the Secretary of the Treasury;''.

(b) RULEMAKING.—

(1) IN GENERAL.—Not later than December 31, 2023, the Secretary of the Treasury shall issue one or more rules to require all financial institutions (as defined in section 5312(a)(2) of title 31, United States Code) that have not already done so to—

(A) report suspicious transactions under section 5318(g) of title 31, United States Code;

(B) establish anti-money laundering programs under section 5318(h) of title 31, United States Code;

(C) establish due diligence policies, procedures, and controls under section 5318(i) of title 31, United States Code; and

(D) identify and verify their account holders under section 5318(l) of title 31, United States Code.

(2) TRUST OR COMPANY SERVICE PROVIDER.—In promulgating a rule under paragraph (1) to implement subparagraph (CC) of section 5312(a)(2) of title 31, United States Code, as added by subsection (a), the Secretary of Treasury shall exclude from the category of covered persons—

(A) any government agency; and

(B) any attorney or law firm that uses a paid trust or company service provider, includ-

ing any paid entity formation agent, operating within the United States.

(c) EFFECTIVE DATE.—

(1) DELAYED EFFECTIVE DATE.—Subparagraphs (Z) through (FF) of section 5312(a)(2) of title 31, United States Code, as added by subsection (a), shall take effect on December 31, 2023.

(2) LIMITATION ON EXEMPTIONS.—With respect to a person described under subparagraphs (Z) through (FF) of section 5312(a)(2) of title 31, United States Code, as added by subsection (a), the Secretary of the Treasury may not exempt such person from any requirement under subchapter II of chapter 53 of title 31, United States Code, including any delay in such application.

(3) APPLICATION OF CERTAIN PROVISIONS.—Any financial institution (as defined in section 5312(a)(2) of title 31, United States Code) that is not already required to comply with subsections (g), (h), (i), and (l) of section 5318 of title 31, United States Code, shall do so on and after June 30, 2024, whether or not a rule has been issued under subsection (b)(1)(A).

(d) TREASURY TASK FORCE AND STRATEGY.—

(1) IN GENERAL.—The Secretary of the Treasury, acting through the Director of the Financial Crimes Enforcement Network, shall establish a task force to—

(A) develop an ambitious, comprehensive, and multi-year United States Government strategy to impose anti-money laundering safeguards on all necessary gatekeeper professions;

(B) designate and authorize a Federal or State agency to enforce anti-money laundering requirements for each type of financial institution defined in section 5312(a)(2) of title 31, United States Code; and

(C) advance the regulatory rulemaking required under section 2(b) of this Act.

(2) GATEKEEPERS STRATEGY.—

(A) IN GENERAL.—Section 262 of the Countering America's Adversaries Through Sanctions Act (Public Law 115–44), is amended by inserting after paragraph (10) the following:

''(11) GATEKEEPERS STRATEGY.—A description of efforts to impose anti-money laundering safeguards on all necessary gatekeeper professions, including art dealers, investment advisors, real estate

professionals, lawyers, accountants, trust or company service providers, public relations professionals, dealers of luxury vehicles, money service businesses, and other similar professions.''.

(B) UPDATE CLARIFICATION.—If, before the date of the enactment of this Act, all updates to the national strategy required by section 261(b) of the Countering America's Adversaries Through Sanctions Act (Public Law 115–44) have been completed, the President shall provide an additional update of such national strategy to the Congress containing the contents required under the amendment made by paragraph (1).

**SEC. 5402. REVIEW OF CYBER-RELATED MATTERS AT THE DEPARTMENT OF THE TREASURY.**

(a) IN GENERAL.—No later than 270 days after the date of enactment of this Act, the Secretary of the Treasury shall complete a comprehensive review of the Department of the Treasury's efforts dedicated to enhancing cybersecurity capability, readiness, and resilience of the financial services sector, specifically as it relates to—

(1) Treasury's role as the sector risk management agency for the financial services sector, as defined by section 9002 of the William M. (Mac)

Thornberry National Defense Authorization Act for Fiscal Year 2021; and

(2) integration of operational resilience and cybersecurity for the financial services sector across the Department of the Treasury.

(b) ELEMENTS.—The review required under subsection (a) shall include the following elements and considerations:

(1) A comprehensive review of the components and offices within the Departmental Offices of the Department of the Treasury involved in efforts specified in subsection (a).

(2) A review of activities by the Department of the Treasury involved in efforts specified in subsection (a).

(3) An assessment of the how each activity identified in this subsection connects to the National Security Strategy and other related documents of the Executive Branch.

(4) An assessment of the Department of the Treasury's ability to discharge fully its duties specified in subsection (a) and identify any areas where it may need additional resources, legislation or authority.

(5) An evaluation of the partnerships with other executive branch departments and agencies to support efforts specified in subsection (a).

(6) An evaluation of support to and from the Financial and Banking Information Infrastructure Committee, and its member agencies to enhance efforts specified in subsection (a).

(7) A five-year plan for the Department of the Treasury that defines an objectives and goals related to the efforts specified in subsection (a).

(c) SUBMISSION TO CONGRESS.—No later than 30 days after the completion of the review specified under subsection (a), the Secretary of the Treasury shall transmit the review to Committee on Financial Services of the House of Representatives and the Committee on Banking, Housing, and Urban Affairs of the Senate.

(d) ANNUAL UPDATE.—No later than February 1st of each year after the submission of the review until 2028, the Secretary shall provide an update on progress made in the preceding year in relation to the plan directed in subsection (b)(7) to the Committee on Financial Services of the House of Representatives and the Committee on Banking, Housing, and Urban Affairs of the Senate.

# TITLE LV—NATURAL RESOURCES MATTERS

**SEC. 5501. YSLETA DEL SUR PUEBLO AND ALABAMA-COUSHATTA TRIBES OF TEXAS EQUAL AND FAIR OPPORTUNITY AMENDMENT.**

The Ysleta del Sur Pueblo and Alabama and Coushatta Indian Tribes of Texas Restoration Act (Public Law 100–89; 101 Stat. 666) is amended by adding at the end the following:

**''SEC. 301. RULE OF CONSTRUCTION.**

''Nothing in this Act shall be construed to preclude or limit the applicability of the Indian Gaming Regulatory Act (25 U.S.C. 2701 et seq.).''.

**SEC. 5502. INCLUSION OF COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS AND AMERICAN SAMOA.**

The Wagner-Peyser Act is amended—

(1) in section 2(5) (29 U.S.C. 49a(5)), by inserting ''the Commonwealth of the Northern Mariana Islands, American Samoa,'' after ''Guam,'';

(2) in section 5(b)(1) (29 U.S.C. 49d(b)(1)), by inserting ''the Commonwealth of the Northern Mariana Islands, and American Samoa,'' after ''Guam,'';

(3) in section 6(a) (29 U.S.C. 49e(a))—

(A) by inserting ", the Commonwealth of the Northern Mariana Islands, and American Samoa" after "except for Guam";

(B) by striking "allot to Guam" and inserting the following: "allot to—

"(1) Guam";

(C) by striking the period at the end and inserting "; and"; and

(D) by adding at the end the following:

"(2) the Commonwealth of the Northern Mariana Islands and American Samoa an amount which, in relation to the total amount available for the fiscal year, is equal to the allotment percentage that Guam received of amounts available under this Act in fiscal year 1983."; and

(4) in section 6(b)(1) (29 U.S.C. 49e(b)(1)), in the matter following subparagraph (B), by inserting ", the Commonwealth of the Northern Mariana Islands, American Samoa," after "does not include Guam".

**SEC. 5503. AMENDMENTS TO SIKES ACT.**

(a) USE OF NATURAL FEATURES.—Section 101(a)(3)(A) of the Sikes Act (16 U.S.C. 670a(a)(3)(A)) is amended—

(1) by redesignating clauses (ii) and (iii) as clauses (iii) and (iv), respectively; and

(2) by inserting after clause (i) the following:

''(ii) the use of natural and nature-based features to maintain or improve military installation resilience;''.

(b) EXPANDING AND MAKING PERMANENT THE PROGRAM FOR INVASIVE SPECIES MANAGEMENT FOR MILITARY INSTALLATIONS.—Section 101(g) of the Sikes Act (16 U.S.C. 670a(g)) is amended—

(1) by striking the header and inserting ''PROGRAM FOR INVASIVE SPECIES MANAGEMENT FOR MILITARY INSTALLATIONS''; and

(2) in paragraph (1)—

(A) by striking ''During fiscal years 2009 through 2014, the'' and inserting ''The''; and

(B) by striking ''in Guam''.

**SEC. 5504. BRENNAN REEF.**

(a) DESIGNATION.—The reef described in subsection (b) shall be known and designated as ''Brennan Reef'', in honor of the late Rear Admiral Richard T. Brennan of the National Oceanic and Atmospheric Administration.

(b) REEF DESCRIBED.—The reef referred to in subsection (a) is—

(1) between San Miguel and Santa Rosa Islands on the north side of the San Miguel Passage in the Channel Island National Marine Sanctuary; and

(2) centered at 34 degrees 03.12 minutes North, 120 degrees 15.95 minutes West.

(c) REFERENCES.—Any reference in any law, regulation, document, record, map, or other paper of the United States to the reef described in subsection (b) is deemed to be a reference to Brennan Reef.

# TITLE LVI—INSPECTOR GENERAL INDEPENDENCE AND EMPOWERMENT MATTERS

## Subtitle A—Inspector General Independence

### SEC. 5601. SHORT TITLE.

This subtitle may be cited as the ''Securing Inspector General Independence Act of 2022''.

### SEC. 5602. REMOVAL OR TRANSFER OF INSPECTORS GENERAL; PLACEMENT ON NON-DUTY STATUS.

(a) IN GENERAL.—The Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) in section 3(b)—

(A) by inserting ''(1)(A)'' after ''(b)'';

(B) in paragraph (1), as so designated—

(i) in subparagraph (A), as so designated, in the second sentence—

(I) by striking ''reasons'' and inserting the following: ''substantive rationale, including detailed and case-specific reasons,''; and

(II) by inserting ''(including to the appropriate congressional committees)'' after ''Houses of Congress''; and

(ii) by adding at the end the following:

''(B) If there is an open or completed inquiry into an Inspector General that relates to the removal or transfer of the Inspector General under subparagraph (A), the written communication required under that subparagraph shall—

''(i) identify each entity that is conducting, or that conducted, the inquiry; and

''(ii) in the case of a completed inquiry, contain the findings made during the inquiry.''; and

(C) by adding at the end the following:

''(2)(A) Subject to the other provisions of this paragraph, only the President may place an Inspector General on non-duty status.

''(B) If the President places an Inspector General on non-duty status, the President shall communicate in writing the substantive rationale, including detailed and case-specific reasons, for the change in status to both Houses of Congress (including to the appropriate congressional committees) not later than 15 days before the date on which the change in status takes effect, except that the President may submit that communication not later than the date on which the change in status takes effect if—

''(i) the President has made a determination that the continued presence of the Inspector General in the workplace poses a threat described in any of clauses (i) through (iv) of section 6329b(b)(2)(A) of title 5, United States Code; and

''(ii) in the communication, the President includes a report on the determination described in clause (i), which shall include—

''(I) a specification of which clause of section 6329b(b)(2)(A) of title 5, United States Code, the President has determined applies under clause (i) of this subparagraph;

''(II) the substantive rationale, including detailed and case-specific reasons, for the determination made under clause (i);

''(III) an identification of each entity that is conducting, or that conducted, any inquiry upon which the determination under clause (i) was made; and

''(IV) in the case of an inquiry described in subclause (III) that is completed, the findings made during that inquiry.

''(C) The President may not place an Inspector General on non-duty status during the 30-day period preceding the date on which the Inspector General is removed or transferred under paragraph (1)(A) unless the President—

''(i) has made a determination that the continued presence of the Inspector General in the workplace poses a threat described in any of clauses (i) through (iv) of section 6329b(b)(2)(A) of title 5, United States Code; and

''(ii) not later than the date on which the change in status takes effect, submits to both Houses of Congress (including to the appropriate congressional committees) a written communication that contains the information required under subparagraph (B), including the report required under clause (ii) of that subparagraph.

''(D) For the purposes of this paragraph—

''(i) the term 'Inspector General'—

''(I) means an Inspector General who was appointed by the President, without regard to whether the Senate provided advice and consent with respect to that appointment; and

''(II) includes the Inspector General of an establishment, the Inspector General of the Intelligence Community, the Inspector General of the Central Intelligence Agency, the Special Inspector General for Afghanistan Reconstruction, the Special Inspector General for the Troubled Asset Relief Program, and the Special Inspector General for Pandemic Recovery; and

''(ii) a reference to the removal or transfer of an Inspector General under paragraph (1), or to the written communication described in that paragraph, shall be considered to be—

''(I) in the case of the Inspector General of the Intelligence Community, a reference to section 103H(c)(4) of the National Security Act of 1947 (50 U.S.C. 3033(c)(4));

''(II) in the case of the Inspector General of the Central Intelligence Agency, a reference to section 17(b)(6) of the Central Intelligence Agency Act of 1949 (50 U.S.C. 3517(b)(6));

''(III) in the case of the Special Inspector General for Afghanistan Reconstruction, a reference to section 1229(c)(6) of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 378);

''(IV) in the case of the Special Inspector General for the Troubled Asset Relief Program, a reference to section 121(b)(4) of the Emergency Economic Stabilization Act of 2008 (12 U.S.C. 5231(b)(4)); and

''(V) in the case of the Special Inspector General for Pandemic Recovery, a reference to section 4018(b)(3) of the CARES Act (15 U.S.C. 9053(b)(3)).''; and

(2) in section 8G(e)—

(A) in paragraph (1), by inserting ''or placement on non-duty status'' after ''a removal'';

(B) in paragraph (2)—

(i) by inserting ''(A)'' after ''(2)'';

(ii) in subparagraph (A), as so designated, in the first sentence—

(I) by striking ''reasons'' and inserting the following: ''substantive ra-

tionale, including detailed and case-specific reasons,''; and

(II) by inserting ''(including to the appropriate congressional committees)'' after ''Houses of Congress''; and

(iii) by adding at the end the following:

''(B) If there is an open or completed inquiry into an Inspector General that relates to the removal or transfer of the Inspector General under subparagraph (A), the written communication required under that subparagraph shall—

''(i) identify each entity that is conducting, or that conducted, the inquiry; and

''(ii) in the case of a completed inquiry, contain the findings made during the inquiry.''; and

(C) by adding at the end the following:

''(3)(A) Subject to the other provisions of this paragraph, only the head of the applicable designated Federal entity (referred to in this paragraph as the 'covered official') may place an Inspector General on non-duty status.

''(B) If a covered official places an Inspector General on non-duty status, the covered official shall communicate in writing the substantive rationale, including detailed and

case-specific reasons, for the change in status to both Houses of Congress (including to the appropriate congressional committees) not later than 15 days before the date on which the change in status takes effect, except that the covered official may submit that communication not later than the date on which the change in status takes effect if—

''(i) the covered official has made a determination that the continued presence of the Inspector General in the workplace poses a threat described in any of clauses (i) through (iv) of section 6329b(b)(2)(A) of title 5, United States Code; and

''(ii) in the communication, the covered official includes a report on the determination described in clause (i), which shall include—

''(I) a specification of which clause of section 6329b(b)(2)(A) of title 5, United States Code, the covered official has determined applies under clause (i) of this subparagraph;

''(II) the substantive rationale, including detailed and case-specific reasons, for the determination made under clause (i);

''(III) an identification of each entity that is conducting, or that conducted, any inquiry

upon which the determination under clause (i) was made; and

''(IV) in the case of an inquiry described in subclause (III) that is completed, the findings made during that inquiry.

''(C) A covered official may not place an Inspector General on non-duty status during the 30-day period preceding the date on which the Inspector General is removed or transferred under paragraph (2)(A) unless the covered official—

''(i) has made a determination that the continued presence of the Inspector General in the workplace poses a threat described in any of clauses (i) through (iv) of section 6329b(b)(2)(A) of title 5, United States Code; and

''(ii) not later than the date on which the change in status takes effect, submits to both Houses of Congress (including to the appropriate congressional committees) a written communication that contains the information required under subparagraph (B), including the report required under clause (ii) of that subparagraph.

''(D) Nothing in this paragraph may be construed to limit or otherwise modify—

''(i) any statutory protection that is afforded to an Inspector General; or

''(ii) any other action that a covered official may take under law with respect to an Inspector General.''.

(b) TECHNICAL AND CONFORMING AMENDMENT.—Section 12(3) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by inserting ''except as otherwise expressly provided,'' before ''the term''.

**SEC. 5603. VACANCY IN POSITION OF INSPECTOR GENERAL.**

(a) IN GENERAL.—Section 3 of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by adding at the end the following:

''(h)(1) In this subsection—

''(A) the term 'first assistant to the position of Inspector General' means, with respect to an Office of Inspector General—

''(i) an individual who, as of the day before the date on which the Inspector General dies, resigns, or otherwise becomes unable to perform the functions and duties of that position—

''(I) is serving in a position in that Office; and

''(II) has been designated in writing by the Inspector General, through an order

of succession or otherwise, as the first assistant to the position of Inspector General; or

''(ii) if the Inspector General has not made a designation described in clause (i)(II)—

''(I) the Principal Deputy Inspector General of that Office, as of the day before the date on which the Inspector General dies, resigns, or otherwise becomes unable to perform the functions and duties of that position; or

''(II) if there is no Principal Deputy Inspector General of that Office, the Deputy Inspector General of that Office, as of the day before the date on which the Inspector General dies, resigns, or otherwise becomes unable to perform the functions and duties of that position; and

''(B) the term 'Inspector General'—

''(i) means an Inspector General who is appointed by the President, by and with the advice and consent of the Senate; and

''(ii) includes the Inspector General of an establishment, the Inspector General of the Intelligence Community, the Inspector General of

the Central Intelligence Agency, the Special Inspector General for the Troubled Asset Relief Program, and the Special Inspector General for Pandemic Recovery.

''(2) If an Inspector General dies, resigns, or is otherwise unable to perform the functions and duties of the position—

''(A) section 3345(a) of title 5, United States Code, and section 103(e) of the National Security Act of 1947 (50 U.S.C. 3025(e)) shall not apply;

''(B) subject to paragraph (4), the first assistant to the position of Inspector General shall perform the functions and duties of the Inspector General temporarily in an acting capacity subject to the time limitations of section 3346 of title 5, United States Code; and

''(C) notwithstanding subparagraph (B), and subject to paragraphs (4) and (5), the President (and only the President) may direct an officer or employee of any Office of an Inspector General to perform the functions and duties of the Inspector General temporarily in an acting capacity subject to the time limitations of section 3346 of title 5, United States Code, only if—

''(i) during the 365-day period preceding the date of death, resignation, or beginning of inability to serve of the Inspector General, the officer or employee served in a position in an Office of an Inspector General for not less than 90 days, except that—

''(I) the requirement under this clause shall not apply if the officer is an Inspector General; and

''(II) for the purposes of this subparagraph, performing the functions and duties of an Inspector General temporarily in an acting capacity does not qualify as service in a position in an Office of an Inspector General;

''(ii) the rate of pay for the position of the officer or employee described in clause (i) is equal to or greater than the minimum rate of pay payable for a position at GS–15 of the General Schedule;

''(iii) the officer or employee has demonstrated ability in accounting, auditing, financial analysis, law, management analysis, public administration, or investigations; and

''(iv) not later than 30 days before the date on which the direction takes effect, the President communicates in writing to both Houses of Congress (including to the appropriate congressional committees) the substantive rationale, including the detailed and case-specific reasons, for such direction, including the reason for the direction that someone other than the individual who is performing the functions and duties of the Inspector General temporarily in an acting capacity (as of the date on which the President issues that direction) perform those functions and duties temporarily in an acting capacity.

''(3) Notwithstanding section 3345(a) of title 5, United States Code, section 103(e) of the National Security Act of 1947 (50 U.S.C. 3025(e)), and subparagraphs (B) and (C) of paragraph (2), and subject to paragraph (4), during any period in which an Inspector General is on non-duty status—

''(A) the first assistant to the position of Inspector General shall perform the functions and duties of the position temporarily in an acting capacity subject to the time limitations of section 3346 of title 5, United States Code; and

''(B) if the first assistant described in subparagraph (A) dies, resigns, or becomes otherwise unable to perform those functions and duties, the President (and only the President) may direct an officer or employee in that Office of Inspector General to perform those functions and duties temporarily in an acting capacity, subject to the time limitations of section 3346 of title 5, United States Code, if—

''(i) that direction satisfies the requirements under clauses (ii), (iii), and (iv) of paragraph (2)(C); and

''(ii) that officer or employee served in a position in that Office of Inspector General for not fewer than 90 of the 365 days preceding the date on which the President makes that direction.

''(4) An individual may perform the functions and duties of an Inspector General temporarily and in an acting capacity under subparagraph (B) or (C) of paragraph (2), or under paragraph (3), with respect to only 1 Inspector General position at any given time.

''(5) If the President makes a direction under paragraph (2)(C), during the 30-day period preceding the date on which the direction of the President takes effect, the

functions and duties of the position of the applicable Inspector General shall be performed by—

''(A) the first assistant to the position of Inspector General; or

''(B) the individual performing those functions and duties temporarily in an acting capacity, as of the date on which the President issues that direction, if that individual is an individual other than the first assistant to the position of Inspector General.''.

(b) RULE OF CONSTRUCTION.—Nothing in the amendment made by subsection (a) may be construed to limit the applicability of sections 3345 through 3349d of title 5, United States Code (commonly known as the ''Federal Vacancies Reform Act of 1998''), other than with respect to section 3345(a) of that title.

(c) EFFECTIVE DATE.—

(1) DEFINITION.—In this subsection, the term ''Inspector General'' has the meaning given the term in subsection (h)(1)(B) of section 3 of the Inspector General Act of 1978 (5 U.S.C. App.), as added by subsection (a) of this section.

(2) APPLICABILITY.—

(A) IN GENERAL.—Except as provided in subparagraph (B), this section, and the amend-

ments made by this section, shall take effect on the date of enactment of this Act.

(B) EXISTING VACANCIES.—If, as of the date of enactment of this Act, an individual is performing the functions and duties of an Inspector General temporarily in an acting capacity, this section, and the amendments made by this section, shall take effect with respect to that Inspector General position on the date that is 30 days after the date of enactment of this Act.

**SEC. 5604. OFFICE OF INSPECTOR GENERAL WHISTLEBLOWER COMPLAINTS.**

(a) WHISTLEBLOWER PROTECTION COORDINATOR.—Section 3(d)(1)(C) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) in clause (i), in the matter preceding subclause (I), by inserting ", including employees of that Office of Inspector General" after "employees"; and

(2) in clause (iii), by inserting "(including the Integrity Committee of that Council)" after "and Efficiency".

(b) COUNCIL OF THE INSPECTORS GENERAL ON INTEGRITY AND EFFICIENCY.—Section 11(c)(5)(B) of the

Inspector General Act of 1978 (5 U.S.C. App.) is amended by striking '', allegations of reprisal,'' and inserting the following: ''and allegations of reprisal (including the timely and appropriate handling and consideration of protected disclosures and allegations of reprisal that are internal to an Office of Inspector General)''.

# Subtitle B—Presidential Explanation of Failure to Nominate an Inspector General

### SEC. 5611. PRESIDENTIAL EXPLANATION OF FAILURE TO NOMINATE AN INSPECTOR GENERAL.

(a) IN GENERAL.—Subchapter III of chapter 33 of title 5, United States Code, is amended by inserting after section 3349d the following:

### ''§ 3349e. Presidential explanation of failure to nominate an inspector general

''If the President fails to make a formal nomination for a vacant inspector general position that requires a formal nomination by the President to be filled within the period beginning on the later of the date on which the vacancy occurred or on which a nomination is rejected, withdrawn, or returned, and ending on the day that is 210 days after that date, the President shall communicate, within 30 days after the end of such period and not later than June 1 of each year thereafter, to the appropriate

congressional committees, as defined in section 12 of the Inspector General Act of 1978 (5 U.S.C. App.)—

''(1) the reasons why the President has not yet made a formal nomination; and

''(2) a target date for making a formal nomination.''.

(b) TECHNICAL AND CONFORMING AMENDMENT.—The table of sections for subchapter III of chapter 33 of title 5, United States Code, is amended by inserting after the item relating to section 3349d the following:

''3349e. Presidential explanation of failure to nominate an Inspector General.''.

(c) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect—

(1) on the date of enactment of this Act with respect to any vacancy first occurring on or after that date; and

(2) on the day that is 210 days after the date of enactment of this Act with respect to any vacancy that occurred before the date of enactment of this Act.

# Subtitle C—Integrity Committee of the Council of Inspectors General on Integrity and Efficiency Transparency

**SEC. 5621. SHORT TITLE.**

This subtitle may be cited as the ''Integrity Committee Transparency Act of 2022''.

**SEC. 5622. ADDITIONAL INFORMATION TO BE INCLUDED IN REQUESTS AND REPORTS TO CONGRESS.**

Section 11(d) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) in paragraph (5)(B)(ii), by striking the period at the end and inserting '', the length of time the Integrity Committee has been evaluating the allegation of wrongdoing, and a description of any previous written notice provided under this clause with respect to the allegation of wrongdoing, including the description provided for why additional time was needed.''; and

(2) in paragraph (8)(A)(ii), by inserting ''or corrective action'' after ''disciplinary action''.

**SEC. 5623. AVAILABILITY OF INFORMATION TO CONGRESS ON CERTAIN ALLEGATIONS OF WRONGDOING CLOSED WITHOUT REFERRAL.**

Section 11(d)(5)(B) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by adding at the end the following:

''(iii) AVAILABILITY OF INFORMATION TO CONGRESS ON CERTAIN ALLEGATIONS OF WRONGDOING CLOSED WITHOUT REFERRAL.—

''(I) IN GENERAL.—With respect to an allegation of wrongdoing made by a member of Congress that is closed by the Integrity Committee without referral to the Chairperson of the Integrity Committee to initiate an investigation, the Chairperson of the Integrity Committee shall, not later than 60 days after closing the allegation of wrongdoing, provide a written description of the nature of the allegation of wrongdoing and how the Integrity Committee evaluated the allegation of wrongdoing to—

''(aa) the Chair and Ranking Minority Member of the

Committee on Homeland Security and Governmental Affairs of the Senate; and

''(bb) the Chair and Ranking Minority Member of the Committee on Oversight and Reform of the House of Representatives.

''(II) REQUIREMENT TO FORWARD.—The Chairperson of the Integrity Committee shall forward any written description or update provided under this clause to the members of the Integrity Committee and to the Chairperson of the Council.''.

**SEC. 5624. SEMIANNUAL REPORT.**

Section 11(d)(9) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended to read as follows:

''(9) SEMIANNUAL REPORT.—On or before May 31, 2022, and every 6 months thereafter, the Council shall submit to Congress and the President a report on the activities of the Integrity Committee during the immediately preceding 6-month periods ending March 31 and September 30, which shall include the following with respect to allegations of

wrongdoing that are made against Inspectors General and staff members of the various Offices of Inspector General described in paragraph (4)(C):

''(A) An overview and analysis of the allegations of wrongdoing disposed of by the Integrity Committee, including—

''(i) analysis of the positions held by individuals against whom allegations were made, including the duties affiliated with such positions;

''(ii) analysis of the categories or types of the allegations of wrongdoing; and

''(iii) a summary of disposition of all the allegations.

''(B) The number of allegations received by the Integrity Committee.

''(C) The number of allegations referred to the Department of Justice or the Office of Special Counsel, including the number of allegations referred for criminal investigation.

''(D) The number of allegations referred to the Chairperson of the Integrity Committee for investigation, a general description of the status of such investigations, and a summary of the findings of investigations completed.

''(E) An overview and analysis of allegations of wrongdoing received by the Integrity Committee during any previous reporting period, but remained pending during some part of the six months covered by the report, including—

''(i) analysis of the positions held by individuals against whom allegations were made, including the duties affiliated with such positions;

''(ii) analysis of the categories or types of the allegations of wrongdoing; and

''(iii) a summary of disposition of all the allegations.

''(F) The number and category or type of pending investigations.

''(G) For each allegation received—

''(i) the date on which the investigation was opened;

''(ii) the date on which the allegation was disposed of, as applicable; and

''(iii) the case number associated with the allegation.

''(H) The nature and number of allegations to the Integrity Committee closed without

referral, including the justification for why each allegation was closed without referral.

''(I) A brief description of any difficulty encountered by the Integrity Committee when receiving, evaluating, investigating, or referring for investigation an allegation received by the Integrity Committee, including a brief description of—

''(i) any attempt to prevent or hinder an investigation; or

''(ii) concerns about the integrity or operations at an Office of Inspector General.

''(J) Other matters that the Council considers appropriate.''.

**SEC. 5625. ADDITIONAL REPORTS.**

Section 5 of the Inspector General Act of 1978 (5 U.S.C. App.) is amended—

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

(2) by inserting after subsection (d) the following:

''(e) ADDITIONAL REPORTS.—

''(1) REPORT TO INSPECTOR GENERAL.—The Chairperson of the Integrity Committee of the Coun-

cil of the Inspectors General on Integrity and Efficiency shall, immediately whenever the Chairperson of the Integrity Committee becomes aware of particularly serious or flagrant problems, abuses, or deficiencies relating to the administration of programs and operations of an Office of Inspector General for which the Integrity Committee may receive, review, and refer for investigation allegations of wrongdoing under section 11(d), submit a report to the Inspector General who leads the Office at which the serious or flagrant problems, abuses, or deficiencies were alleged.

''(2) REPORT TO PRESIDENT, CONGRESS, AND THE ESTABLISHMENT.—Not later than 7 days after the date on which an Inspector General receives a report submitted under paragraph (1), the Inspector General shall submit to the President, the appropriate congressional committees, and the head of the establishment—

''(A) the report received under paragraph (1); and

''(B) a report by the Inspector General containing any comments the Inspector General determines appropriate.''.

**SEC. 5626. REQUIREMENT TO REPORT FINAL DISPOSITION TO CONGRESS.**

Section 11(d)(8)(B) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by inserting ''and the appropriate congressional committees'' after ''Integrity Committee''.

**SEC. 5627. INVESTIGATIONS OF OFFICES OF INSPECTORS GENERAL OF ESTABLISHMENTS BY THE INTEGRITY COMMITTEE.**

Section 11(d)(7)(B)(i)(V) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by inserting '', and that an investigation of an Office of Inspector General of an establishment is conducted by another Office of Inspector General of an establishment'' after ''size''.

## Subtitle D—Notice of Ongoing Investigations When There Is a Change in Status of Inspector General

**SEC. 5631. NOTICE OF ONGOING INVESTIGATIONS WHEN THERE IS A CHANGE IN STATUS OF INSPECTOR GENERAL.**

Section 5 of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by inserting after subsection (e), as added by section 5625 of this title, the following:

''(f) Not later than 15 days after an Inspector General is removed, placed on paid or unpaid non-duty status,

or transferred to another position or location within an establishment, the officer or employee performing the functions and duties of the Inspector General temporarily in an acting capacity 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 information regarding work being conducted by the Office as of the date on which the Inspector General was removed, placed on paid or unpaid non-duty status, or transferred, which shall include—

''(1) for each investigation—

''(A) the type of alleged offense;

''(B) the fiscal quarter in which the Office initiated the investigation;

''(C) the relevant Federal agency, including the relevant component of that Federal agency for any Federal agency listed in section 901(b) of title 31, United States Code, under investigation or affiliated with the individual or entity under investigation; and

''(D) whether the investigation is administrative, civil, criminal, or a combination thereof, if known; and

''(2) for any work not described in paragraph (1)—

''(A) a description of the subject matter and scope;

''(B) the relevant agency, including the relevant component of that Federal agency, under review;

''(C) the date on which the Office initiated the work; and

''(D) the expected time frame for completion.''.

# Subtitle E—Council of the Inspectors General on Integrity and Efficiency Report on Expenditures

**SEC. 5641. CIGIE REPORT ON EXPENDITURES.**

Section 11(c)(3) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by adding at the end the following:

''(D) REPORT ON EXPENDITURES.—Not later than November 30 of each year, the Chairperson shall submit to the appropriate committees or subcommittees of Congress, including the Committee on Appropriations of the Senate and the Committee on Appropriations of the House of Representatives, a report on the expenditures of the Council for the preceding

fiscal year, including from direct appropriations to the Council, interagency funding pursuant to subparagraph (A), a revolving fund pursuant to subparagraph (B), or any other source.''.

# Subtitle F—Notice of Refusal to Provide Inspectors General Access

**SEC. 5651. NOTICE OF REFUSAL TO PROVIDE INFORMATION OR ASSISTANCE TO INSPECTORS GENERAL.**

Section 6(c) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended by adding at the end the following:

''(3) If the information or assistance that is the subject of a report under paragraph (2) is not provided to the Inspector General by the date that is 30 days after the report is made, the Inspector General shall submit a notice that the information or assistance requested has not been provided by the head of the establishment involved or the head of the Federal agency involved, as applicable, to the appropriate congressional committees.''.

# Subtitle G—Training Resources for Inspectors General and Other Matters

**SEC. 5671. TRAINING RESOURCES FOR INSPECTORS GENERAL.**

Section 11(c)(1) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) by redesignating subparagraphs (E) through (I) as subparagraphs (F) through (J), respectively; and

(2) by inserting after subparagraph (D) the following:

''(E) support the professional development of Inspectors General, including by providing training opportunities on the duties, responsibilities, and authorities under this Act and on topics relevant to Inspectors General and the work of Inspectors General, as identified by Inspectors General and the Council.''.

**SEC. 5672. DEFINITION OF APPROPRIATE CONGRESSIONAL COMMITTEES.**

The Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) in section 5—

(A) in subsection (b), in the matter preceding paragraph (1), by striking ''committees or subcommittees of the Congress'' and inserting ''congressional committees''; and

(B) in subsection (d), by striking ''committees or subcommittees of Congress'' and inserting ''congressional committees'';

(2) in section 6(h)(4)—

(A) in subparagraph (B), by striking ''Government''; and

(B) by amending subparagraph (C) to read as follows:

''(C) Any other relevant congressional committee or subcommittee of jurisdiction.'';

(3) in section 8—

(A) in subsection (b)—

(i) in paragraph (3), by striking ''the Committees on Armed Services and Governmental Affairs of the Senate and the Committee on Armed Services and the Committee on Government Reform and Oversight of the House of Representatives and to other appropriate committees or subcommittees of the Congress'' and inserting ''the appropriate congressional

committees, including the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives''; and

(ii) in paragraph (4), by striking ''and to other appropriate committees or subcommittees''; and

(B) in subsection (f)—

(i) in paragraph (1), by striking ''the Committees on Armed Services and on Homeland Security and Governmental Affairs of the Senate and the Committees on Armed Services and on Oversight and Government Reform of the House of Representatives and to other appropriate committees or subcommittees of Congress'' and inserting ''the appropriate congressional committees, including the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives''; and

(ii) in paragraph (2), by striking ''committees or subcommittees of the Congress'' and inserting ''congressional committees'';

(4) in section 8D—

(A) in subsection (a)(3), by striking ''Committees on Governmental Affairs and Finance of the Senate and the Committees on Government Operations and Ways and Means of the House of Representatives, and to other appropriate committees or subcommittees of the Congress'' and inserting ''appropriate congressional committees, including the Committee on Finance of the Senate and the Committee on Ways and Means of the House of Representatives''; and

(B) in subsection (g)—

(i) in paragraph (1)—

(I) by striking ''committees or subcommittees of the Congress'' and inserting ''congressional committees''; and

(II) by striking ''Committees on Governmental Affairs and Finance of the Senate and the Committees on Government Reform and Oversight and Ways and Means of the House of Representatives'' and inserting ''Committee on Finance of the Senate and

the Committee on Ways and Means of the House of Representatives''; and

(ii) in paragraph (2), by striking ''committees or subcommittees of Congress'' and inserting ''congressional committees'';

(5) in section 8E—

(A) in subsection (a)(3), by striking ''Committees on Governmental Affairs and Judiciary of the Senate and the Committees on Government Operations and Judiciary of the House of Representatives, and to other appropriate committees or subcommittees of the Congress'' and inserting ''appropriate congressional committees, including the Committee on the Judiciary of the Senate and the Committee on the Judiciary of the House of Representatives''; and

(B) in subsection (c)—

(i) by striking ''committees or subcommittees of the Congress'' and inserting ''congressional committees''; and

(ii) by striking ''Committees on the Judiciary and Governmental Affairs of the Senate and the Committees on the Judiciary and Government Operations of the

House of Representatives'' and inserting ''Committee on the Judiciary of the Senate and the Committee on the Judiciary of the House of Representatives'';

(6) in section 8G—

(A) in subsection (d)(2)(E), in the matter preceding clause (i), by inserting ''the appropriate congressional committees, including'' after ''are''; and

(B) in subsection (f)(3)—

(i) in subparagraph (A)(iii), by striking ''Committee on Governmental Affairs of the Senate and the Committee on Government Reform and Oversight of the House of Representatives, and to other appropriate committees or subcommittees of the Congress'' and inserting ''the appropriate congressional committees''; and

(ii) by striking subparagraph (C);

(7) in section 8I—

(A) in subsection (a)(3), in the matter preceding subparagraph (A), by striking ''committees and subcommittees of Congress'' and inserting ''congressional committees''; and

(B) in subsection (d), by striking ''committees and subcommittees of Congress'' each place it appears and inserting ''congressional committees'';

(8) in section 8N(b), by striking ''committees of Congress'' and inserting ''congressional committees'';

(9) in section 11—

(A) in subsection (b)(3)(B)(viii)—

(i) by striking subclauses (III) and (IV);

(ii) in subclause (I), by adding ''and'' at the end; and

(iii) by amending subclause (II) to read as follows:

''(II) the appropriate congressional committees.''; and

(B) in subsection (d)(8)(A)(iii), by striking ''to the'' and all that follows through ''jurisdiction'' and inserting ''to the appropriate congressional committees''; and

(10) in section 12—

(A) in paragraph (4), by striking ''and'' at the end;

(B) in paragraph (5), by striking the period at the end and inserting ''; and''; and

(C) by adding at the end the following:

''(6) the term 'appropriate congressional committees' means—

''(A) the Committee on Homeland Security and Governmental Affairs of the Senate;

''(B) the Committee on Oversight and Reform of the House of Representatives; and

''(C) any other relevant congressional committee or subcommittee of jurisdiction.''.

**SEC. 5673. SEMIANNUAL REPORTS.**

The Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) in section 4(a)(2)—

(A) by inserting '', including'' after ''to make recommendations''; and

(B) by inserting a comma after ''section 5(a)'';

(2) in section 5—

(A) in subsection (a)—

(i) by striking paragraphs (1) through (12) and inserting the following:

''(1) a description of significant problems, abuses, and deficiencies relating to the administra-

tion of programs and operations of the establishment and associated reports and recommendations for corrective action made by the Office;

''(2) an identification of each recommendation made before the reporting period, for which corrective action has not been completed, including the potential costs savings associated with the recommendation;

''(3) a summary of significant investigations closed during the reporting period;

''(4) an identification of the total number of convictions during the reporting period resulting from investigations;

''(5) information regarding each audit, inspection, or evaluation report issued during the reporting period, including—

''(A) a listing of each audit, inspection, or evaluation;

''(B) if applicable, the total dollar value of questioned costs (including a separate category for the dollar value of unsupported costs) and the dollar value of recommendations that funds be put to better use, including whether a management decision had been made by the end of the reporting period;

''(6) information regarding any management decision made during the reporting period with respect to any audit, inspection, or evaluation issued during a previous reporting period;'';

(ii) by redesignating paragraphs (13) through (22) as paragraphs (7) through (16), respectively;

(iii) by amending paragraph (13), as so redesignated, to read as follows:

''(13) a report on each investigation conducted by the Office where allegations of misconduct were substantiated involving a senior Government employee or senior official (as defined by the Office) if the establishment does not have senior Government employees, which shall include—

''(A) the name of the senior Government employee, if already made public by the Office; and

''(B) a detailed description of—

''(i) the facts and circumstances of the investigation; and

''(ii) the status and disposition of the matter, including—

''(I) if the matter was referred to the Department of Justice, the date of the referral; and

''(II) if the Department of Justice declined the referral, the date of the declination;''; and

(iv) by amending paragraph (15), as so redesignated, to read as follows:

''(15) information related to interference by the establishment, including—

''(A) a detailed description of any attempt by the establishment to interfere with the independence of the Office, including—

''(i) with budget constraints designed to limit the capabilities of the Office; and

''(ii) incidents where the establishment has resisted or objected to oversight activities of the Office or restricted or significantly delayed access to information, including the justification of the establishment for such action; and

''(B) a summary of each report made to the head of the establishment under section 6(c)(2) during the reporting period;''; and

(B) in subsection (b)—

(i) by striking paragraphs (2) and (3) and inserting the following:

''(2) where final action on audit, inspection, and evaluation reports had not been taken before the commencement of the reporting period, statistical tables showing—

''(A) with respect to management decisions—

''(i) for each report, whether a management decision was made during the reporting period;

''(ii) if a management decision was made during the reporting period, the dollar value of disallowed costs and funds to be put to better use as agreed to in the management decision; and

''(iii) total number of reports where a management decision was made during the reporting period and the total corresponding dollar value of disallowed costs and funds to be put to better use as agreed to in the management decision; and

''(B) with respect to final actions—

''(i) whether, if a management decision was made before the end of the re-

porting period, final action was taken during the reporting period;

''(ii) if final action was taken, the dollar value of—

''(I) disallowed costs that were recovered by management through collection, offset, property in lieu of cash, or otherwise;

''(II) disallowed costs that were written off by management;

''(III) disallowed costs and funds to be put to better use not yet recovered or written off by management;

''(IV) recommendations that were completed; and

''(V) recommendations that management has subsequently concluded should not or could not be implemented or completed; and

''(iii) total number of reports where final action was not taken and total number of reports where final action was taken, including the total corresponding dollar value of disallowed costs and funds

to be put to better use as agreed to in the management decisions;'';

(ii) by redesignating paragraph (4) as paragraph (3);

(iii) in paragraph (3), as so redesignated, by striking ''subsection (a)(20)(A)'' and inserting ''subsection (a)(14)(A)''; and

(iv) by striking paragraph (5) and inserting the following:

''(4) a statement explaining why final action has not been taken with respect to each audit, inspection, and evaluation report in which a management decision has been made but final action has not yet been taken, except that such statement—

''(A) may exclude reports if—

''(i) a management decision was made within the preceding year; or

''(ii) the report is under formal administrative or judicial appeal or management of the establishment has agreed to pursue a legislative solution; and

''(B) shall identify the number of reports in each category so excluded.'';

(C) by redesignating subsection (h), as so redesignated by section ____305 of this title, as subsection (i); and

(D) by inserting after subsection (g), as so redesignated by section ____305 of this title, the following:

''(h) If an Office has published any portion of the report or information required under subsection (a) to the website of the Office or on oversight.gov, the Office may elect to provide links to the relevant webpage or website in the report of the Office under subsection (a) in lieu of including the information in that report.''.

**SEC. 5674. SUBMISSION OF REPORTS THAT SPECIFICALLY IDENTIFY NON-GOVERNMENTAL ORGANIZATIONS OR BUSINESS ENTITIES.**

(a) IN GENERAL.—Section 5(g) of the Inspector General Act of 1978 (5 U.S.C. App.), as so redesignated by section ____305 of this title, is amended by adding at the end the following:

''(6)(A) Except as provided in subparagraph (B), if an audit, evaluation, inspection, or other non-investigative report prepared by an Inspector General specifically identifies a specific non-governmental organization or business entity, whether or not the non-governmental organization

or business entity is the subject of that audit, evaluation, inspection, or non-investigative report—

''(i) the Inspector General shall notify the non-governmental organization or business entity;

''(ii) the non-governmental organization or business entity shall have—

''(I) 30 days to review the audit, evaluation, inspection, or non-investigative report beginning on the date of publication of the audit, evaluation, inspection, or non-investigative report; and

''(II) the opportunity to submit a written response for the purpose of clarifying or providing additional context as it directly relates to each instance wherein an audit, evaluation, inspection, or non-investigative report specifically identifies that non-governmental organization or business entity; and

''(iii) if a written response is submitted under clause (ii)(II) within the 30-day period described in clause (ii)(I)—

''(I) the written response shall be attached to the audit, evaluation, inspection, or non-investigative report; and

''(II) in every instance where the report may appear on the public-facing website of the Inspector General, the website shall be updated in order to access a version of the audit, evaluation, inspection, or non-investigative report that includes the written response.

''(B) Subparagraph (A) shall not apply with respect to a non-governmental organization or business entity that refused to provide information or assistance sought by an Inspector General during the creation of the audit, evaluation, inspection, or non-investigative report.

''(C) An Inspector General shall review any written response received under subparagraph (A) for the purpose of preventing the improper disclosure of classified information or other non-public information, consistent with applicable laws, rules, and regulations, and, if necessary, redact such information.''.

(b) RETROACTIVE APPLICABILITY.—During the 30-day period beginning on the date of enactment of this Act—

(1) the amendment made by subsection (a) shall apply upon the request of a non-governmental organization or business entity named in an audit, evaluation, inspection, or other non-investigative report prepared on or after January 1, 2019; and

(2) any written response submitted under clause (iii) of section 5(g)(6)(A) of the Inspector General Act of 1978 (5 U.S.C. App.), as added by subsection (a), with respect to such an audit, evaluation, inspection, or other non-investigative report shall attach to the original report in the manner described in that clause.

**SEC. 5675. REVIEW RELATING TO VETTING, PROCESSING, AND RESETTLEMENT OF EVACUEES FROM AFGHANISTAN AND THE AFGHANISTAN SPECIAL IMMIGRANT VISA PROGRAM.**

(a) IN GENERAL.—In accordance with the Inspector General Act of 1978 (5 U.S.C. App.), the Inspector General of the Department of Homeland Security, jointly with the Inspector General of the Department of State, and in coordination with the Inspector General of the Department of Defense and any appropriate inspector general, shall conduct a thorough review of efforts to support and process evacuees from Afghanistan and the Afghanistan special immigrant visa program.

(b) ELEMENTS.—The review required by subsection (a) shall include an assessment of the systems, staffing, policies, and programs used—

(1) to the screen and vet such evacuees, including—

(A) an assessment of whether personnel conducting such screening and vetting were appropriately authorized and provided with training, including training in the detection of fraudulent personal identification documents;

(B) an analysis of the degree to which such screening and vetting deviated from United States law, regulations, policy, and best practices relating to the screening and vetting of refugees and applicants for United States visas that have been in use at any time since January 1, 2016;

(C) an identification of any risk to the national security of the United States posed by any such deviations;

(D) an analysis of the processes used for evacuees traveling without personal identification records, including the creation or provision of any new identification records to such evacuees; and

(E) an analysis of the degree to which such screening and vetting process was capable of detecting—

(i) instances of human trafficking and domestic abuse;

(ii) evacuees who are unaccompanied minors; and

(iii) evacuees with a spouse that is a minor;

(2) to admit and process such evacuees at United States ports of entry;

(3) to temporarily house such evacuees prior to resettlement;

(4) to account for the total number of individuals evacuated from Afghanistan in 2021 with support of the United States Government, disaggregated by—

(A) country of origin;

(B) citizenship, only if different from country of origin;

(C) age;

(D) gender;

(E) eligibility for special immigrant visas under the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note; Public Law 111–8) or section 1059 of the National Defense Authorization Act for Fiscal Year 2006 (8 U.S.C. 1101 note; Public Law 109–163) at the time of evacuation;

(F) eligibility for employment-based non-immigrant visas at the time of evacuation; and

(G) familial relationship to evacuees who are eligible for visas described in subparagraphs (E) and (F); and

(5) to provide eligible individuals with special immigrant visas under the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note; Public Law 111–8) and section 1059 of the National Defense Authorization Act for Fiscal Year 2006 (8 U.S.C. 1101 note; Public Law 109–163) since the date of the enactment of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note; Public Law 111–8), including—

(A) a detailed step-by-step description of the application process for such special immigrant visas, including the number of days allotted by the United States Government for the completion of each step;

(B) the number of such special immigrant visa applications received, approved, and denied, disaggregated by fiscal year;

(C) the number of such special immigrant visas issued, as compared to the number available under law, disaggregated by fiscal year;

(D) an assessment of the average length of time taken to process an application for such a special immigrant visa, beginning on the date of submission of the application and ending on the date of final disposition, disaggregated by fiscal year;

(E) an accounting of the number of applications for such special immigrant visas that remained pending at the end of each fiscal year;

(F) an accounting of the number of interviews of applicants for such special immigrant visas conducted during each fiscal year;

(G) the number of noncitizens who were admitted to the United States pursuant to such a special immigrant visa during each fiscal year;

(H) an assessment of the extent to which each participating department or agency of the United States Government, including the Department of State and the Department of Homeland Security, adjusted processing practices and procedures for such special immigrant visas so as to vet applicants and expand processing capacity since the February 29, 2020,

Doha Agreement between the United States and the Taliban;

(I) a list of specific steps, if any, taken between February 29, 2020, and August 31, 2021—

(i) to streamline the processing of applications for such special immigrant visas; and

(ii) to address longstanding bureaucratic hurdles while improving security protocols;

(J) a description of the degree to which the Secretary of State implemented recommendations made by the Department of State Office of Inspector General in its June 2020 reports on Review of the Afghan Special Immigrant Visa Program (AUD-MERO-20-35) and Management Assistance Report: Quarterly Reporting on Afghan Special Immigrant Visa Program Needs Improvement (AUD-MERO-20-34);

(K) an assessment of the extent to which challenges in verifying applicants' employment with the Department of Defense contributed to delays in the processing of such special immi-

grant visas, and an accounting of the specific steps taken since February 29, 2020, to address issues surrounding employment verification; and

(L) recommendations to strengthen and streamline such special immigrant visa process going forward.

(c) INTERIM REPORTING.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Inspector General of the Department of Homeland Security and the Inspector General of the Department of State shall submit to the appropriate congressional committees not fewer than one interim report on the review conducted under this section.

(2) DEFINITIONS.—In this subsection:

(A) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term ''appropriate congressional committees'' has the meaning given the term in section 12 of the Inspector General Act of 1978 (5 U.S.C. App.), as amended by this subtitle.

(B) SCREEN; SCREENING.—The terms ''screen'' and ''screening'', with respect to an

evacuee, mean the process by which a Federal official determines—

(i) the identity of the evacuee;

(ii) whether the evacuee has a valid identification documentation; and

(iii) whether any database of the United States Government contains derogatory information about the evacuee.

(C) VET; VETTING.—The term ''vet'' and ''vetting'', with respect to an evacuee, means the process by which a Federal official interviews the evacuee to determine whether the evacuee is who they purport to be, including whether the evacuee poses a national security risk.

(d) DISCHARGE OF RESPONSIBILITIES.—The Inspector General of the Department of Homeland Security and the Inspector General of the Department of State shall discharge the responsibilities under this section in a manner consistent with the authorities and requirements of the Inspector General Act of 1978 (5 U.S.C. App.) and the authorities and requirements applicable to the Inspector General of the Department of Homeland Security and the Inspector General of the Department of State under that Act.

(e) COORDINATION.—Upon request of an Inspector General for information or assistance under subsection (a), the head of any Federal agency involved shall, insofar as is practicable and not in contravention of any existing statutory restriction or regulation of the Federal agency from which the information is requested, furnish to such Inspector General, or to an authorized designee, such information or assistance.

(f) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to limit the ability of the Inspector General of the Department of Homeland Security or the Inspector General of the Department of State to enter into agreements to conduct joint audits, inspections, or investigations in the exercise of the oversight responsibilities of the Inspector General of the Department of Homeland Security and the Inspector General of the Department of State, in accordance with the Inspector General Act of 1978 (5 U.S.C. App.), with respect to oversight of the evacuation from Afghanistan, the selection, vetting, and processing of applicants for special immigrant visas and asylum, and any resettlement in the United States of such evacuees.

# TITLE LVII—FEDERAL EMPLOYEE MATTERS

**SEC. 5701. APPEALS TO MERIT SYSTEMS PROTECTION BOARD RELATING TO FBI REPRISAL ALLEGATIONS; SALARY OF SPECIAL COUNSEL.**

(a) APPEALS TO MSPB.—Section 2303 of title 5, United States Code, is amended by adding at the end the following:

''(d)(1) An employee of the Federal Bureau of Investigation who makes an allegation of a reprisal under regulations promulgated under this section may appeal a final determination or corrective action order by the Bureau under those regulations to the Merit Systems Protection Board pursuant to section 1221.

''(2) If no final determination or corrective action order has been made or issued for an allegation described in paragraph (1) before the expiration of the 180-day period beginning on the date on which the allegation is received by the Federal Bureau of Investigation, the employee described in that paragraph may seek corrective action directly from the Merit Systems Protection Board pursuant to section 1221.''.

(b) SPECIAL COUNSEL SALARY.—

(1) IN GENERAL.—Subchapter II of chapter 53 of title 5, United States Code, is amended—

(A) in section 5314, by adding at the end the following new item :''Special Counsel of the Office of Special Counsel.''; and

(B) in section 5315, by striking ''Special Counsel of the Merit Systems Protection Board.''

(2) APPLICATION.—The rate of pay applied under the amendments made by paragraph (1) shall begin to apply on the first day of the first pay period beginning after date of enactment of this Act.

**SEC. 5702. MINIMUM WAGE FOR FEDERAL CONTRACTORS.**

Executive Order 14026 and its implementing regulations in part 23 of title 29, Code of Federal Regulations, are hereby enacted into law, except that nothing in this section shall be construed to prohibit any Federal department or agency from requiring any Federal contract entered into on or after the date of enactment of this section to include a clause requiring that workers employed in the performance of such contract or any covered subcontract (as defined in such regulations) be paid at a minimum wage that exceeds the minimum wage in effect pursuant to such executive order and regulations.

**SEC. 5703. FEDERAL WILDLAND FIREFIGHTER RECRUITMENT AND RETENTION.**

(a) RECRUITMENT AND RETENTION BONUS.—In order to promote the recruitment and retention of Federal wildland firefighters, the Director of the Office of Personnel Management, in coordination with the Secretary of Agriculture and the Secretary of the Interior, shall establish a program under which a recruitment or retention bonus of not less than $1,000 may be paid to a Federal wildland firefighter in an amount as determined appropriate by the Director of the Office of Personnel Management and the Secretary of Agriculture and the Secretary of the Interior. The minimum amount of such bonus in the previous sentence shall be increased each year by the Consumer Price Index in the manner prescribed under subsection (b)(2). Any bonus under this subsection—

(1) shall be paid to any primary or secondary Federal wildland firefighter upon the date that such firefighter successfully completes a work capacity test; and

(2) may not be paid to any such firefighter more than once per calendar year.

(b) FEDERAL WILDLAND FIREFIGHTER.—In this section, the term ''Federal wildland firefighter'' means any temporary, seasonal, or permanent position at the Department of Agriculture or the Department of the Interior

that maintains group, emergency incident management, or fire qualifications, as established annually by the Standards for Wildland Fire Position Qualifications published by the National Wildfire Coordinating Group, and primarily engages in or supports wildland fire management activities, including forestry and rangeland technicians and positions concerning aviation, engineering heavy equipment operations, or fire and fuels management.

# TITLE LVIII—OTHER MATTERS

### SEC. 5801. AFGHAN ALLIES PROTECTION.

Clause (ii) of section 602(b)(2)(A) of the Afghan Allies Protection Act of 2009 (Public Law 111–8; 8 U.S.C. 1101 note) is amended in the matter preceding subclause (I), by striking ''year—'' and inserting the following: ''year, or in the case of an alien who was wounded or seriously injured in connection with employment described in this subparagraph, for the period until such wound or injury occurred, if the wound or injury prevented the alien from continuing employment—''.

### SEC. 5802. ADVANCING MUTUAL INTERESTS AND GROWING OUR SUCCESS.

(a) NONIMMIGRANT TRADERS AND INVESTORS.—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 for-

eign state described in such section if the Government of Portugal provides similar nonimmigrant status to nationals of the United States.

(b) MODIFICATION OF ELIGIBILITY CRITERIA FOR E VISAS.—

Section 101(a)(15)(E) of the Immigration and Nationality Act (8 U.S.C. 1101(a)(15)(E)) is amended—

(1) by inserting ''(or, in the case of an alien who acquired the relevant nationality through a financial investment and who has not previously been granted status under this subparagraph, the foreign state of which the alien is a national and in which the alien has been domiciled for a continuous period of not less than 3 years at any point before applying for a nonimmigrant visa under this subparagraph)'' before '', and the spouse''; and

(2) by striking ''him'' and inserting ''such alien''; and

(3) by striking ''he'' each place such term appears and inserting ''the alien''.

**SEC. 5803. EXPANSION OF STUDY OF PFAS CONTAMINATION.**

(a) CDC STUDY ON HEALTH IMPLICATIONS OF PER- AND POLYFLUOROALKYL SUBSTANCES CONTAMINATION

IN DRINKING WATER.—The Secretary of Health and Human Services, acting through the Director of the Centers for Disease Control and Prevention and the Director of the Agency for Toxic Substances and Disease Registry, and, as appropriate, the Director of the National Institute of Environmental Health Sciences, and in consultation with the Secretary of Defense, shall—

(1) expand (by including more military installations, communities, or other sites) the study authorized by section 316 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) on the human health implications of per- and polyfluoroalkyl substances (in this section referred to as ''PFAS'') contamination in drinking water, ground water, and any other sources of water and relevant exposure pathways, including the cumulative human health implications of multiple types of PFAS contamination at levels above and below health advisory levels to assess health effects at additional military installations;

(2) not later than 1 year after the date of the enactment of this Act, and annually thereafter until submission of the report under paragraph (3)(B), submit to the appropriate congressional committees

a report on the progress of such expanded study; and

(3) not later than 5 years after the date of enactment of this Act (or 7 years after such date of enactment after providing notice to the appropriate congressional committees of the need for the delay)—

(A) complete the expanded study and make any appropriate recommendations; and

(B) submit a report to the appropriate congressional committees on the results of such expanded study.

(b) EXPOSURE ASSESSMENT.—

(1) IN GENERAL.—The Secretary of Health and Human Services, acting through the Director of the Centers for Disease Control and Prevention and the Director of the Agency for Toxic Substances and Disease Registry, and, as appropriate, the Director of the National Institute of Environmental Health Sciences, and in consultation with the Secretary of Defense, shall conduct an exposure assessment of not less than 10 current or former domestic military installations which were not included in the study authorized by section 316(a) of the National Defense Authorization Act for Fiscal Year 2018 (Pub-

lic Law 115–91) and which are known to have PFAS contamination in drinking water, ground water, and any other sources of water and relevant exposure pathways.

(2) CONTENTS.—The exposure assessment required under this subsection shall—

(A) include—

(i) for each military installation covered under the exposure assessment, a statistical sample to be determined by the Secretary of Health and Human Services in consultation with the relevant State health departments; and

(ii) biomonitoring for assessing the contamination described in paragraph (1); and

(B) produce findings, which shall be—

(i) used to help design the study described in subsection (a)(1); and

(ii) not later than 1 year after the conclusion of such exposure assessment, released to the appropriate congressional committees.

(3) TIMING.—The exposure assessment required under this subsection shall—

(A) begin not later than 180 days after the date of enactment of this Act; and

(B) conclude not later than 2 years after such date of enactment.

(c) COORDINATION WITH OTHER AGENCIES.—The Director of the Agency for Toxic Substances and Disease Registry may, as necessary, use staff and other resources from other Federal agencies in carrying out the study under subsection (a) and the assessment under subsection (b).

(d) NO EFFECT ON REGULATORY PROCESS.—The study under subsection (a) and assessment under subsection (b) shall not interfere with any regulatory processes of the Environmental Protection Agency, including determinations of maximum contaminant levels.

(e) DEFINITION.—In this section, the term ''appropriate congressional committees'' means—

(1) the congressional defense committees;

(2) the Committee on Heath, Education, Labor, and Pensions, the Committee on Environment and Public Works, and the Committee on Veterans' Affairs of the Senate; and

(3) the Committee on Energy and Commerce and the Committee on Veterans' Affairs of the House of Representatives.

(f) FUNDING.—

(1) SOURCE OF FUNDS.—The study under subsection (a) and assessment under subsection (b) may be paid for using funds authorized to be appropriated to the Department of Defense under the heading ''Operation and Maintenance, Defense-Wide''.

(2) TRANSFER AUTHORITY.—Without regard to section 2215 of title 10, United States Code, the Secretary of Defense may transfer not more than $20,000,000 a year during each of fiscal years 2023 and 2024 to the Secretary of Health and Human Services to pay for the study under subsection (a) and assessment under subsection (b).

(3) EXPENDITURE AUTHORITY.—Amounts transferred to the Secretary of Health and Human Services shall be used to carry out the study under subsection (a) and assessment under subsection (b) through contracts, cooperative agreements, or grants. In addition, such funds may be transferred by the Secretary of Health and Human Services to other accounts of the Department of Health and Human Services for the purposes of carrying out this section.

(4) RELATIONSHIP TO OTHER TRANSFER AUTHORITIES.—The transfer authority provided under this subsection is in addition to any other transfer authority available to the Department of Defense or the Department of Health and Human Services.

**SEC. 5804. NATIONAL RESEARCH AND DEVELOPMENT STRATEGY FOR DISTRIBUTED LEDGER TECHNOLOGY.**

(a) DEFINITIONS.—In this section:

(1) DIRECTOR.—Except as otherwise expressly provided, the term ''Director'' means the Director of the Office of Science and Technology Policy.

(2) DISTRIBUTED LEDGER.—The term ''distributed ledger'' means a ledger that—

(A) is shared across a set of distributed nodes, which are devices or processes, that participate in a network and store a complete or partial replica of the ledger;

(B) is synchronized between the nodes;

(C) has data appended to it by following the ledger's specified consensus mechanism;

(D) may be accessible to anyone (public) or restricted to a subset of participants (private); and

(E) may require participants to have authorization to perform certain actions (permissioned) or require no authorization (permissionless).

(3) DISTRIBUTED LEDGER TECHNOLOGY.—The term ''distributed ledger technology'' means technology that enables the operation and use of distributed ledgers.

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

(5) RELEVANT CONGRESSIONAL COMMITTEES.—The term ''relevant congressional committees'' means—

(A) the Committee on Commerce, Science, and Transportation of the Senate; and

(B) the Committee on Science, Space, and Technology of the House of Representatives.

(6) SMART CONTRACT.—The term ''smart contract'' means a computer program stored in a distributed ledger system that is executed when certain predefined conditions are satisfied and wherein the outcome of any execution of the program may be recorded on the distributed ledger.

(b) NATIONAL DISTRIBUTED LEDGER TECHNOLOGY R&D STRATEGY.—

(1) IN GENERAL.—The Director, or a designee of the Director, shall, in coordination with the National Science and Technology Council, and the heads of such other relevant Federal agencies and entities as the Director considers appropriate, which may include the National Academies, and in consultation with such nongovernmental entities as the Director considers appropriate, develop a national strategy for the research and development of distributed ledger technologies and their applications, including applications of public and permissionless distributed ledgers. In developing the national strategy, the Director shall consider the following:

(A) Current efforts and coordination by Federal agencies to invest in the research and development of distributed ledger technologies and their applications, including through programs like the Small Business Innovation Research program, the Small Business Technology Transfer program, and the National Science Foundation's Innovation Corps programs.

(B)(i) The potential benefits and risks of applications of distributed ledger technologies

across different industry sectors, including their potential to—

(I) lower transactions costs and facilitate new types of commercial transactions;

(II) protect privacy and increase individuals' data sovereignty;

(III) reduce friction to the interoperability of digital systems;

(IV) increase the accessibility, auditability, security, efficiency, and transparency of digital services;

(V) increase market competition in the provision of digital services;

(VI) enable dynamic contracting and contract execution through smart contracts;

(VII) enable participants to collaborate in trustless and disintermediated environments;

(VIII) enable the operations and governance of distributed organizations;

(IX) create new ownership models for digital items; and

(X) increase participation of populations historically underrepresented in the technology, business, and financial sectors.

(ii) In consideration of the potential risks of applications of distributed ledger technologies under clause (i), the Director shall take into account, where applicable—

(I) additional risks that may emerge from distributed ledger technologies, as identified in reports submitted to the President pursuant to Executive Order 14067, that may be addressed by research and development;

(II) software vulnerabilities in distributed ledger technologies and smart contracts;

(III) limited consumer literacy on engaging with applications of distributed ledger technologies in a secure way;

(IV) the use of distributed ledger technologies in illicit finance and their use in combating illicit finance;

(V) manipulative, deceptive, and fraudulent practices that harm consumers

engaging with applications of distributed ledger technologies;

(VI) the implications of different consensus mechanisms for digital ledgers and governance and accountability mechanisms for applications of distributed ledger technologies, which may include decentralized networks;

(VII) foreign activities in the development and deployment of distributed ledger technologies and their associated tools and infrastructure; and

(VIII) environmental, sustainability, and economic impacts of the computational resources required for distributed ledger technologies.

(C) Potential uses for distributed ledger technologies that could improve the operations and delivery of services by Federal agencies, taking into account the potential of digital ledger technologies to—

(i) improve the efficiency and effectiveness of privacy-preserving data sharing among Federal agencies and with State, local, territorial, and Tribal governments;

(ii) promote government transparency by improving data sharing with the public;

(iii) introduce or mitigate risks that may threaten individuals' rights or broad access to Federal services;

(iv) automate and modernize processes for assessing and ensuring regulatory compliance; and

(v) facilitate broad access to financial services for underserved and underbanked populations.

(D) Ways to support public and private sector dialogue on areas of research that could enhance the efficiency, scalability, interoperability, security, and privacy of applications using distributed ledger technologies.

(E) The need for increased coordination of the public and private sectors on the development of voluntary standards in order to promote research and development, including standards regarding security, smart contracts, cryptographic protocols, virtual routing and forwarding, interoperability, zero-knowledge proofs, and privacy, for distributed ledger technologies and their applications.

(F) Applications of distributed ledger technologies that could positively benefit society but that receive relatively little private sector investment.

(G) The United States position in global leadership and competitiveness across research, development, and deployment of distributed ledger technologies.

(2) CONSULTATION.—

(A) IN GENERAL.—In carrying out the Director's duties under this subsection, the Director shall consult with the following:

(i) Private industry.

(ii) Institutions of higher education, including minority-serving institutions.

(iii) Nonprofit organizations, including foundations dedicated to supporting distributed ledger technologies and their applications.

(iv) State governments.

(v) Such other persons as the Director considers appropriate.

(B) REPRESENTATION.—The Director shall ensure consultations with the following:

(i) Rural and urban stakeholders from across the Nation.

(ii) Small, medium, and large businesses.

(iii) Subject matter experts representing multiple industrial sectors.

(iv) A demographically diverse set of stakeholders.

(3) COORDINATION.—In carrying out this subsection, the Director shall, for purposes of avoiding duplication of activities, consult, cooperate, and coordinate with the programs and policies of other relevant Federal agencies, including the interagency process outlined in section 3 of Executive Order 14067 (87 Fed. Reg. 14143; relating ensuring responsible development of digital assets).

(4) NATIONAL STRATEGY.—Not later than 1 year after the date of enactment of this Act, the Director shall submit to the relevant congressional committees and the President a national strategy that includes the following:

(A) Priorities for the research and development of distributed ledger technologies and their applications.

(B) Plans to support public and private sector investment and partnerships in research and technology development for societally beneficial applications of distributed ledger technologies.

(C) Plans to mitigate the risks of distributed ledger technologies and their applications.

(D) An identification of additional resources, administrative action, or legislative action recommended to assist with the implementation of such strategy.

(5) RESEARCH AND DEVELOPMENT FUNDING.—The Director shall, as the Director considers necessary, consult with the Director of the Office of Management and Budget and with the heads of such other elements of the Executive Office of the President as the Director considers appropriate, to ensure that the recommendations and priorities with respect to research and development funding, as expressed in the national strategy developed under this subsection, are incorporated in the development of annual budget requests for Federal research agencies.

(c) DISTRIBUTED LEDGER TECHNOLOGY RESEARCH.—

(1) IN GENERAL.—The Director of the National Science Foundation shall make awards, on a competitive basis, to institutions of higher education, including minority-serving institutions, or nonprofit organizations (or consortia of such institutions or organizations) to support research, including interdisciplinary research, on distributed ledger technologies, their applications, and other issues that impact or are caused by distributed ledger technologies, which may include research on—

(A) the implications on trust, transparency, privacy, accessibility, accountability, and energy consumption of different consensus mechanisms and hardware choices, and approaches for addressing these implications;

(B) approaches for improving the security, privacy, resiliency, interoperability, performance, and scalability of distributed ledger technologies and their applications, which may include decentralized networks;

(C) approaches for identifying and addressing vulnerabilities and improving the performance and expressive power of smart contracts;

(D) the implications of quantum computing on applications of distributed ledger technologies, including long-term protection of sensitive information (such as medical or digital property), and techniques to address them;

(E) game theory, mechanism design, and economics underpinning and facilitating the operations and governance of decentralized networks enabled by distributed ledger technologies;

(F) the social behaviors of participants in decentralized networks enabled by distributed ledger technologies;

(G) human-centric design approaches to make distributed ledger technologies and their applications more usable and accessible;

(H) use cases for distributed ledger technologies across various industry sectors and government, including applications pertaining to—

(i) digital identity, including trusted identity and identity management;

(ii) digital property rights;

(iii) delivery of public services;

(iv) supply chain transparency;

(v) medical information management;

(vi) inclusive financial services;

(vii) community governance;

(viii) charitable giving;

(ix) public goods funding;

(x) digital credentials;

(xi) regulatory compliance;

(xii) infrastructure resilience, including against natural disasters; and

(xiii) peer-to-peer transactions; and

(I) the social, behavioral, and economic implications associated with the growth of applications of distributed ledger technologies, including decentralization in business, financial, and economic systems.

(2) ACCELERATING INNOVATION.—The Director of the National Science Foundation shall consider continuing to support startups that are in need of funding, would develop in and contribute to the economy of the United States, leverage distributed ledger technologies, have the potential to positively benefit society, and have the potential for commercial viability, through programs like the Small Business Innovation Research program, the Small Business Technology Transfer program, and, as appro-

priate, other programs that promote broad and diverse participation.

(3) CONSIDERATION OF NATIONAL DISTRIBUTED LEDGER TECHNOLOGY RESEARCH AND DEVELOPMENT STRATEGY.—In making awards under paragraph (1), the Director of the National Science Foundation shall take into account the national strategy, as described in subsection (b)(4).

(4) FUNDAMENTAL RESEARCH.—The Director of the National Science Foundation shall consider continuing to make awards supporting fundamental research in areas related to distributed ledger technologies and their applications, such as applied cryptography and distributed systems.

(d) DISTRIBUTED LEDGER TECHNOLOGY APPLIED RESEARCH PROJECT.—

(1) APPLIED RESEARCH PROJECT.—Subject to the availability of appropriations, the Director of the National Institute of Standards and Technology, may carry out an applied research project to study and demonstrate the potential benefits and unique capabilities of distributed ledger technologies.

(2) ACTIVITIES.—In carrying out the applied research project, the Director of the National Institute of Standards and Technology shall—

(A) identify potential applications of distributed ledger technologies, including those that could benefit activities at the Department of Commerce or at other Federal agencies, considering applications that could—

(i) improve the privacy and interoperability of digital identity and access management solutions;

(ii) increase the integrity and transparency of supply chains through the secure and limited sharing of relevant supplier information;

(iii) facilitate increased interoperability across healthcare information systems and consumer control over the movement of their medical data;

(iv) facilitate broader participation in distributed ledger technologies of populations historically underrepresented in technology, business, and financial sectors; or

(v) be of benefit to the public or private sectors, as determined by the Director in consultation with relevant stakeholders;

(B) solicit and provide the opportunity for public comment relevant to potential projects;

(C) consider, in the selection of a project, whether the project addresses a pressing need not already addressed by another organization or Federal agency;

(D) establish plans to mitigate potential risks, including those outlined in subsection (b)(1)(B)(ii), if applicable, of potential projects;

(E) produce an example solution leveraging distributed ledger technologies for 1 of the applications identified in subparagraph (A);

(F) hold a competitive process to select private sector partners, if they are engaged, to support the implementation of the example solution;

(G) consider hosting the project at the National Cybersecurity Center of Excellence; and

(H) ensure that cybersecurity best practices consistent with the Cybersecurity Framework of the National Institute of Standards and Technology are demonstrated in the project.

(3) BRIEFINGS TO CONGRESS.—Not later than 1 year after the date of enactment of this Act, the Director of the National Institute of Standards and

Technology shall offer a briefing to the relevant congressional committees on the progress and current findings from the project under this subsection.

(4) PUBLIC REPORT.—Not later than 12 months after the completion of the project under this subsection, the Director of the National Institute of Standards and Technology shall make public a report on the results and findings from the project.

**SEC. 5805. COMMERCIAL AIR WAIVER FOR NEXT OF KIN REGARDING TRANSPORTATION OF REMAINS OF CASUALTIES.**

Section 580A of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended by adding at the end the following:

''(c) TRANSPORTATION OF DECEASED MILITARY MEMBER.—In the event of a death that requires the Secretary concerned to provide a death benefit under subchapter II of chapter 75 of title 10, United States Code, such Secretary shall provide the next of kin or other appropriate person a commercial air travel use waiver for the transportation of deceased remains of military member who dies outside of the United States.''.

Amend the title so as to read: ''A bill to authorize appropriations for fiscal year 2023 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.''.