

**H.R. 7900—FY23 NATIONAL DEFENSE  
AUTHORIZATION BILL**

**CHAIRMAN’S MARK**

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## DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

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#### LEGISLATIVE PROVISIONS

##### SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

###### Section 101—Authorization of Appropriations

This section would authorize appropriations for procurement at the levels identified in section 4101 of division D of this Act.

##### SUBTITLE B—NAVY PROGRAMS

###### Section 111—Requirements Relating to EA-18G Aircraft of the Navy

This section would require the Secretary of the Navy to maintain a minimum quantity of high-demand, low-density EA-18G aircraft capabilities to meet Department of Defense combat air forces training, testing, and operational steady-state and major contingency requirements in support of geographical combatant commanders' planning and operations.

##### SUBTITLE C—AIR FORCE PROGRAMS

###### Section 121—Modification of Inventory Requirements for Aircraft of the Combat Air Forces

This section would reduce the minimum quantity of primary mission A-10 aircraft inventory required to be maintained by the Secretary of the Air Force in order to facilitate the transition of A-10 aircraft to F-16 aircraft at Fort Wayne Air National Guard Base, Indiana. This section would also reduce the minimum inventory quantity of total tactical fighter aircraft the Secretary of the Air Force is required to maintain from 1,970 to 1,800 aircraft.

###### Section 123—Requirements Relating to F-22 Aircraft

This section would require the Secretary of the Air Force to maintain a minimum quantity of F-22 aircraft with common air superiority mission employment capabilities to meet Department of Defense combat air forces training, testing, and operational steady-state and major contingency requirements in support of geographical combatant commanders' planning and operations.

## Section 126—Limitation on Retirement of E-3 Airborne Warning and Control System Aircraft

This section would prohibit divestment of 5 of the proposed 15 E-3 Airborne Warning and Control System (AWACS) aircraft retirements in fiscal year 2023 pending receipt of a report on the operational impact to the geographic combatant commanders of a reduced E-3 fleet, the comparative capabilities of the E-3 and its proposed replacement system, and an approved acquisition strategy for the replacement capability.

### SUBTITLE D—DEFENSE-WIDE, JOINT, AND MULTISERVICE MATTERS

## Section 131—Increase Air Force and Navy Use of Used Commercial Dual-Use Parts in Certain Aircraft and Engines

This section would direct the Secretary of the Air Force and the Secretary of the Navy to include Federal Aviation Administration-certified parts in supply chain solutions.

# TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

## LEGISLATIVE PROVISIONS

### SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

## Section 201—Authorization of Appropriations

This section would authorize appropriations for research, development, test, and evaluation at the levels identified in section 4201 of division D of this Act.

### SUBTITLE B—PROGRAM REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS

## Section 211—Clarification of Role of Senior Official with Principal Responsibility for Artificial Intelligence and Machine Learning

This section would make technical changes in prior legislation that referenced the Joint Artificial Intelligence Center to conform with the organizational changes within the Department of Defense.

## Section 212—Role of the Chief Digital and Artificial Intelligence Officer in Fostering Interoperability Among Joint Force Systems

This section would require the Secretary of Defense to task the Chief Digital and Artificial Intelligence Officer with fostering mission integration software and fielding to foster cross-service kill chains.

Elsewhere in this Act, the committee recommends an increase of \$45.0 million in PE 0604123D8Z to support mission integration software development and fielding.

#### Section 214—Activities to Support the Use of Metal Additive Manufacturing for the Subsurface Fleet of the Navy

This section would direct the Secretary of the Navy to develop additive manufacturing processes for the production of metal components and other metal-based materials for the subsurface fleet of the Navy.

### SUBTITLE C—PLANS, REPORTS, AND OTHER MATTERS

#### Section 221—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

This section would require the Under Secretary of Defense for Research and Engineering to submit a report on actions that may be carried out to increase the participation of minority-serving institutions in the research, development, test, and evaluation activities of the Department of Defense.

#### Section 222—Assessment of Test Infrastructure and Priorities Related to Hypersonic Capabilities and Related Technologies and Hypersonic Test Strategy

This section would require the Secretary of Defense to assess the hypersonic capabilities and related technologies including:

- (1) each test facility and its ability to simulate realistic flight-like environment;
- (2) test frequency, cost, and capacity of testing facilities; and
- (3) a review of testbeds in all phases of hypersonic flight.

This section would also require the Secretary of Defense to submit a report to the House Committee on Armed Services, not later than 180 days after the date of the enactment of this Act, on the the use of Federal test facilities to evaluate hypersonic technologies.

## TITLE III—OPERATION AND MAINTENANCE

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

## Section 301—Authorization of Appropriations

This section would authorize appropriations for operation and maintenance activities at the levels identified in section 4301 of division D of this Act.

### SUBTITLE B—ENERGY AND ENVIRONMENT

#### Section 314—Prohibition on Purchase by Department of Defense of Firefighting Equipment Containing Per- and Polyfluoroalkyl Substances

This section would prohibit the Department of Defense from purchasing firefighting equipment containing per- and polyfluoroalkyl substances if acceptable alternatives are available.

### SUBTITLE C—RED HILL BULK FUEL FACILITY

#### Section 331—Defueling of Red Hill Bulk Fuel Storage Facility

This section would require the Secretary of the Navy to defuel the Red Hill Bulk Fuel Facility not later than December 31, 2023. This section would require that, prior to defueling, the Secretary of Defense certify to the congressional defense committees that defueling will not adversely impact the Department of Defense's ability to provide fuel for operations within the Indo-Pacific. This section would also require a report on ways to mitigate the impacts caused by past fuel leaks and a review by an independent entity of the defueling process itself. Finally, this section would include a 180-day extendable waiver if it is determined that defueling cannot be done safely or in an environmentally sound manner.

#### Section 332—Activities Prior to Decommissioning of Red Hill Bulk Storage Facility

This section would prevent any funds, within fiscal year 2023, from being used to permanently close the Red Hill Bulk Fuel Facility until 1 year after the Secretary of Defense certifies that a fuel capacity equivalent to the capacity provided by the Red Hill Bulk Fuel Storage Facility has been added to U.S. Indo-Pacific Command and provides a report to the congressional defense committees on how the Department of Defense will replicate the fuel storage capacity of the Red Hill Facility through the Indo-Pacific, a risk analysis of these new fuel storage options, and a timeline and cost analysis for establishing this storage capacity, among other items.

#### Section 333—Placement of Sentinel or Monitoring Wells in Proximity to Red Hill Bulk Fuel Facility

This section would require the Department of Defense, in coordination with the United States Geological Survey, to determine and report on the need, number,

and optimal locations of additional sentinel or monitoring wells near the Red Hill facility to detect and track the movement of fuel that has leaked into the ground.

Section 334—Report on Department of Defense Efforts to Track Health Implications of Fuel Leaks at Red Hill Bulk Fuel Facility

This section would require the Secretary of Defense 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.

Section 335—Studies Relating to Water Needs of the Armed Forces on Oahu

This section would require the Secretary of Defense to conduct a study on the means to provide for the future water needs of the military on the island of Oahu, including construction of water treatment plants, construction of a new water well, and privatization of existing Department of Defense utilities, among other options. This section also would require the Secretary of Defense to conduct a hydrological study on the area surrounding the Red Hill Bulk Fuel Facility to model the groundwater flow in that area.

Section 336—Study on Alternative Uses for Red Hill Bulk Fuel Facility

This section would require a federally funded research and development center study, in coordination with stakeholders, on possible future Department of Defense uses for the Red Hill Bulk Fuel Facility. This study would include a cost-benefit analysis that would review, among other things, any potential benefits to the local economy, environmental impacts, and lifecycle costs of any proposed option. Once completed, this study would be made publicly available online by both the center itself and the Department of Defense.

SUBTITLE D—LOGISTICS AND SUSTAINMENT

Section 342—Independent Study Relating to Fuel Distribution Logistics across United States Indo-Pacific Command

This section would require a federally funded research and development center study on fuel distribution logistics in the Indo-Pacific, including capability gaps, distribution vulnerabilities, and the positioning of fuel support points.

SUBTITLE E—MATTERS RELATING TO DEPOTS AND AMMUNITION PRODUCTION FACILITIES

Section 352—Extension of Authorization of Depot Working Capital Funds for Unspecified Minor Military Construction

This section would amend section 2208 of title 10, United States Code, to extend the authority for service secretaries to use a working capital fund to fund an unspecified minor military construction project until the end of fiscal year 2025.

#### SUBTITLE F—REPORTS

##### Section 362—Quarterly Reports on Expenditures for Establishment of Fuel Distribution Points in INDOPACOM Area of Responsibility

This section would require the Commander of United States Indo-Pacific Command to submit quarterly reports to the congressional defense committees on the use of planning and design funds related to the Red Hill Bulk Fuel Storage Facility.

#### SUBTITLE G—OTHER MATTERS

##### Section 371—Accountability for Military Working Dogs

This section would require accountability reports for military working dogs in service of U.S. military operations and would require the Department of Defense to issue regulations prohibiting the abandonment of military working dogs within 2 years.

### TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

#### LEGISLATIVE PROVISIONS

##### SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS

##### Section 421—Military Personnel

This section would authorize appropriations for military personnel at the levels identified in the funding table in section 4401 of division D of this Act.

### TITLE V—MILITARY PERSONNEL POLICY

#### LEGISLATIVE PROVISIONS

##### SUBTITLE E—MEMBER EDUCATION, TRAINING, AND TRANSITION

##### Section 543—Establishment of Consortium for Curricula in Military Education

This section would authorize the establishment of a consortium to conduct research and development on the curricula for professional military education.



Section 544—Establishment of Consortium of Institutions of Military Education for Cybersecurity Matters

This section would require the Secretary of Defense to establish a consortium of military and civilian education institutions to provide a forum to share information on matters of cybersecurity.

TITLE VII—HEALTH CARE PROVISIONS

LEGISLATIVE PROVISIONS

SUBTITLE C—REPORTS AND OTHER MATTERS

Section 724—Improvement to Wounded Warrior Service Dog Program

This section would clarify the amount that can be awarded under the Wounded Warrior Service Dog Program.

Section 729—Standardization across Department of Defense of Policies Relating to Service by Individuals Diagnosed with HBV

This section would require the Department of Defense to review and standardize regulations, policies, and guidance of the Department relating to individuals diagnosed with hepatitis B virus (HBV).

TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

LEGISLATIVE PROVISIONS

SUBTITLE A—ACQUISITION POLICY AND MANAGEMENT

Section 801—Writing Award to Encourage Curiosity and Persistence in Overcoming Obstacles in Acquisition

This section would authorize the President of the Defense Acquisition University to establish an award to recognize members of the acquisition workforce who use an iterative writing process to document a firsthand account of using independent judgment to overcome an obstacle the member faced working within the defense acquisition system. The award will include \$10,000 cash for each of the five recipients.

Section 802—Life Cycle Management and Product Support

This section would improve sustainment planning for major weapon system acquisitions by amending section 4324 of title 10, United States Code, to require the milestone decision authority (MDA) to ensure the life cycle sustainment plan is approved by the product support manager, program manager, program executive officer, and an appropriate materiel, logistics, or fleet representative. Before granting approval for subsequent milestones the MDA shall ensure the life cycle sustainment plan has been updated and approved by the same officials, and that it includes an estimate of the number of personnel needed to operate and maintain the system.

#### Section 803—Amendments to Contractor Employee Protections from Reprisal for Disclosure of Certain Information

This section would amend section 4701 of title 10, United States Code, and section 4712 of title 41, United States Code, to enhance those whistleblower protections by expressly including qualified grantees, subgrantees, and personal services contractors among the qualified recipients of protected disclosures under subparagraph (a)(2)(G).

#### Section 804—Mission-Based Rapid Acquisition Account

This section would create a mission-based rapid acquisition account executed by the Strategic Capabilities Office in coordination with the Defense Innovation Unit.

### SUBTITLE B—AMENDMENTS TO GENERAL CONTRACTING AUTHORITIES, PROCEDURES, AND LIMITATIONS

#### Section 811—Comptroller General Assessment of Acquisition Programs and Efforts

This section would extend the mandate in section 3072 of title 10, United States Code, "Comptroller General Assessment of Acquisition Programs and Initiatives" (commonly known as the "Quick Look") from 2023 to 2026, and would make additional changes to the scope of the assessments.

#### Section 812—Clarification to Fixed-Price Incentive Contract References

This section would correct imprecise use of the term "fixed-price incentive fee" contract and replace it with "fixed-price incentive", which is used at subpart 16.204 of the Federal Acquisition Regulation and throughout Department of Defense policy. This correction is consistent with the established policy that fees are associated with cost reimbursable contracts only.

#### Section 813—Extension of Pilot Program to Accelerate Contracting and Pricing Processes

This section would extend to January 2, 2024, a pilot program established in section 890 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232) and amended by section 820 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92).

#### Section 814—Extension and Modification of Never Contract with the Enemy

This section would reauthorize through December 31, 2025, the authorities established by sections 841-843 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) and renew the requirements for annual reporting found at section 841(i) and 842(b).

#### Section 815—Modification to Indemnification Authority for Research and Development Contracts

This section would amend section 3861 of title 10, United States Code, and elevate indemnification authority for certain military contracts from service secretaries to the Secretary of Defense.

### SUBTITLE C—PROVISIONS RELATING TO ACQUISITION WORKFORCE

#### Section 821—Key Experiences and Enhanced Pay Authority for Acquisition Workforce Excellence

This section would amend section 1701a of title 10, United States Code, to require the Department of Defense to establish rotational assignments for a certain percentage of the acquisition workforce through the public-private talent exchange established in section 1599g of title 10, United States Code. This section would also amend section 1701b of title 10, United States Code, to add Department of Defense Field Activities and Defense Agencies and allow for up to five positions with enhanced pay.

#### Section 822—Defense Acquisition University Reforms

This section would amend section 1746 of title 10, United States Code, to replace the requirement for full-time visiting professors from civilian colleges or universities with an expectation that the Secretary of Defense will ensure the Defense Acquisition University (DAU) collaborates with the acquisition research activities established under section 2361a of title 10, United States Code, and to direct the Under Secretary of Defense for Acquisition and Sustainment to appoint the president of the DAU by evaluating certain factors.

#### Section 823—Repeal of Certain Provisions Relating to Acquisition Workforce Incentives

This section would repeal certain note provisions that have expired or been fully implemented in policy. The repealed notes are replaced by separate sections in this Act that create new incentive and exchange programs.

#### Section 824—Acquisition Workforce Incentives Relating to Training on and Agreements with Certain Software Businesses

This section would require training curricula to educate the Department of Defense acquisition community about the details of business models and revenue incentives of software-first commercial, startup, and nontraditional companies that may be able to offer solutions to the Department. It would require an exchange program, using existing authorities, focused on software-intensive startup businesses, and to establish related incentives for participation. It would further require regular discussions for industry and government stakeholders to exchange best practices and address general challenges. Finally, it would require a pilot program to test the feasibility of unique approaches to negotiating software data rights.

### SUBTITLE D—PROVISIONS RELATING TO SOFTWARE AND TECHNOLOGY

#### Section 831—Prizes for Advanced Technology Achievements

This section would expand authority to award prizes to recognize innovative program management practices, as assessed and reported by the responsible senior leaders in the Department of Defense, that result in more rapid and efficient delivery of technology to the warfighter.

#### Section 832—Congressional Notification for Pilot Program to Accelerate the Procurement and Fielding of Innovative Technologies

This section would amend section 834 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81) in order to require the Secretary of Defense to notify the congressional defense committees within 30 days after funding has been provided for a proposal selected for an award under the pilot program established under that section.

### SUBTITLE E—INDUSTRIAL BASE MATTERS

#### Section 841—Recognition of an Association of Eligible Entities That Provide Procurement Technical Assistance

This section would amend sections 4954, 4955, and 4561 of title 10, United States Code, to recognize Procurement Technical Assistance Centers (PTACs) and instruct the Secretary of Defense to coordinate with an association of eligible PTACs

on matters of common interest to the program, as well as make certain other essential changes to the Procurement Technical Assistance Program.

#### Section 842—Codification of the Department of Defense Mentor-Protege Program

This section would codify, make permanent, and make certain revisions to the Department of Defense Mentor-Protege Program. This section would also establish a 5-year pilot program to allow a portion of mentor reimbursement to be flowed down to the protege to cover costs to customize their technology solution in order to accelerate integration into Department systems.

### SUBTITLE F—OTHER MATTERS

#### Section 851—Technical Correction to Effective Date of the Transfer of Certain Title 10 Acquisition Provisions

This section would make certain technical corrections to title 10, United States Code. It would deem the amendments made by section 1701(e) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81) 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).

#### Section 852—Regulations on Use of Fixed-Price Type Contracts for Major Defense Acquisition Programs

This section would amend section 818 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109-364) to limit the number of low-rate initial production lots on a single contract under certain circumstances, and to provide for waiver authority.

#### Section 853—Data Requirements For Commercial Item Pricing Not Based on Adequate Price Competition

This section would amend section 3455 of title 10, United States Code, to grant the Department of Defense authority to obtain data to support the commercial product determination in certain circumstances.

## TITLE X—GENERAL PROVISIONS

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—FINANCIAL MATTERS

#### Section 1001—General Transfer Authority

This section would allow the Secretary of Defense, with certain limitations, to make transfers between amounts authorized for fiscal year 2023 in division A of this Act. This section would limit the total amount transferred under this authority to \$6.00 billion.

#### Section 1002—Determination of Budgetary Effects

This section would state the budgetary effects of this Act for the purpose of complying with the Statutory Pay-As-You-Go Act of 2010 (Public Law 111-139).

#### SUBTITLE B—COUNTERDRUG ACTIVITIES

##### Section 1011—Extension of Authority to Support a Unified Counterdrug and Counterterrorism Campaign in Colombia

This section would extend by 2 years section 1021 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375), as most recently amended by section 1007 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81), providing for authority to support a unified counterdrug and counterterrorism campaign in Colombia.

#### SUBTITLE C—NAVAL VESSELS AND SHIPYARDS

##### Section 1025—Business Case Analyses on Disposition of Certain Government-Owned Dry-Docks

This section would require the Navy to conduct a Business Case Analysis on the Graving Dock at Naval Base San Diego, California, and on the Auxiliary Floating Dock, Medium-10, at Seattle, Washington.

#### SUBTITLE D—COUNTERTERRORISM

##### Section 1031—Prohibition on Use of Funds for Transfer or Release of Individuals Detained at United States Naval Station, Guantanamo Bay, Cuba, to Certain Countries

This section would prohibit the use of funding authorized to be appropriated or otherwise made available for the Department of Defense 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 at United States Naval Station, Guantanamo Bay, Cuba, to Libya, Somalia, Syria, and Yemen.

#### SUBTITLE E—MISCELLANEOUS AUTHORITIES AND LIMITATIONS

Section 1041—Modification of Authority for Humanitarian Demining Assistance and Stockpiled Conventional Munitions Assistance

This section would modify section 407 of title 10, United States Code, to remove the geographic limitation, increase the funding cap, and allow for personnel expenses.

SUBTITLE F—STUDIES AND REPORTS

Section 1061—Briefing on Global Force Management Allocation Plan

This section would amend section 1074(c) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81) to add criteria regarding costs, risks, and strategic trade-offs associated with major modifications to global force allocation that deviate from the Global Force Management Allocation Plan to that section's annual briefing requirement.

Section 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

This section would extend until December 31, 2024, a report required by section 1014 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) and add a quarterly briefing, on the coordination of Department of Defense training missions with the Department of Homeland Security operational needs at the international borders of the United States and the information provided to the Department of Homeland Security as a result of the coordinated training.

Section 1063—Continuation of Requirement for Annual Report on National Guard and Reserve Component Equipment

This section would repeal section 1061(c)(62) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) and reestablish the requirement in section 10541 of title 10, United States Code for the annual submission of the National Guard and Reserve Equipment Report.

Section 1064—Combatant Command Risk Assessment for Airborne Intelligence, Surveillance, and Reconnaissance

This section would require the Vice Chairman of the Joint Chiefs of Staff, in coordination with the commanders of each geographic combatant command, to submit to the congressional defense committees an assessment of the level of operational risk to the combatant commands posed by any future plans to divest existing airborne intelligence, surveillance, and reconnaissance capability. The

assessment would be required to be submitted not later than 60 days after submission of the annual budget request for the Department of Defense or any proposal from the military services to divest intelligence, surveillance, and reconnaissance capability.

#### Section 1065—Reports on Effects of Strategic Competitor Naval Facilities in Africa

This section would require two reports by the Secretary of Defense on existing or planned Chinese and Russian naval facilities in Africa.

#### Section 1067—Quarterly Reports on Operation Spartan Shield

This section would require the Inspector General of the Department of Defense to submit quarterly reports on Operation Spartan Shield to the congressional defense committees, and to make them available on publicly facing website.

#### Section 1068—Congressional Notification of Military Information Support Operations in the Information Environment

This section would require the Secretary of Defense to provide written notification to the appropriate congressional committees not later than 15 days before exercising the authority to conduct a new military information support operation in the information environment. This section would also require the Secretary to submit an annual report not later than 90 days after the end of the fiscal year to the appropriate congressional committees on all such operations during the fiscal year.

#### Section 1070—Reports on Hostilities Involving United States Armed Forces

This section would require the President to transmit a report to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives within 48 hours of any incident in which U.S. Armed Forces are involved in an attack or hostilities, including in an offensive or defensive capacity, except in specified circumstances.

#### Section 1071—Annual Report on Civilian Casualties in Connection with United States Military Operations

This section would modify section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

### SUBTITLE G—OTHER MATTERS



## Section 1081—Technical and Conforming Amendments

This section would make technical and conforming amendments to existing law.

## Section 1082—Ronald V. Dellums Memorial Fellowship for Women of Color in STEAM

This section would establish a fellowship program to provide scholarships and internships for eligible students with high potential talent in science, technology, engineering, arts, and mathematics.

## Section 1083—Combating Military Reliance on Russian Energy

This section would require the Secretary of Defense, not later than June 1, 2023, to establish for all main operating bases in the U.S. European Command area of responsibility an installation energy plan to reduce reliance on Russian energy, and begin implementing those plans not later than 30 days after their completion. This section would also require a policy to ensure that any new military base in the U.S. European Command area of responsibility includes planning for energy security, resilience, and mitigation to reduce reliance on Russian energy.

## Section 1084—Commission on Civilian Harm

This section would establish a Commission on Civilian Harm.

## Section 1085—Department of Defense Center for Excellence in Civilian Harm Mitigation

This section would establish a Center for Excellence in Civilian Harm Mitigation to institutionalize and advance knowledge, practices, and tools for preventing, mitigating, and responding to civilian harm.

# TITLE XI—CIVILIAN PERSONNEL MATTERS

## LEGISLATIVE PROVISIONS

### Section 1104—Temporary Extension of Authority to Provide Security for Former Department of Defense Officials

This section would provide a temporary extension of the authorized period of protection for former Department of Defense officials. The protection period would be extended from up to 2 years to up to 3 years. This section would also require the Secretary of Defense to determine that such protection is necessary

because of a serious and credible threat to the safety of the individual for whom protection is to be provided. These changes would expire at the end of 2023.

## TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—ASSISTANCE AND TRAINING

##### Section 1201—Modifications to Annual Reports on Security Cooperation

This section would modify current reporting requirements under sections 332(b)(2) and 386 of title 10, United States Code.

##### Section 1202—Modification to Authority to Provide Support for Conduct of Operations

This section would increase the limitation on the aggregate value of all logistic support, supplies, and services provided for certain types of support under subsection 331(g)(1) of title 10, United States Code, to \$950.0 million.

##### Section 1203—Extension and Modification of Authority for Reimbursement of Certain Coalition Nations for Support Provided to United States Military Operations

This section would extend through December 31, 2023, the authority to make Coalition Support Fund payments under section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181).

#### SUBTITLE B—MATTERS RELATING TO AFGHANISTAN AND PAKISTAN

##### Section 1211—Extension and Modification of the Afghan Special Immigrant Visa Program

This section would extend the Afghan Allies Protection Act of 2009 (Public Law 111-8), as well as the application deadline. The committee notes the critical importance of the Special Immigrant Visa Program and remains committed to Afghan citizens who, at great personal risk, supported United States operations in Afghanistan.

##### Section 1212—Additional Matters for Inclusion in Reports on Oversight in Afghanistan

This section would amend section 1069(a) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) to add an assessment of defense intelligence capabilities.

#### SUBTITLE C—MATTERS RELATING TO SYRIA, IRAQ, AND IRAN

##### Section 1221—Extension of Authority to Provide Assistance to Vetted Syrian Groups and Individuals

This section would extend the authority granted in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291).

##### Section 1222—Extension and Modification of Authority to Provide Assistance to Counter the Islamic State of Iraq and Syria

This section would extend subsections (a) and (o)(5) of section 1236 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291). It would also limit the obligation and execution of funds pending the receipt of the report required by section 1223(f) of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81).

##### Section 1223—Extension of Authority to Support Operations and Activities of the Office of Security Cooperation in Iraq

This section would modify subsection (d) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note).

##### Section 1224—Extension and Modification of Report on the Military Capabilities of Iran and Related Activities

This section would amend section 1227 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81).

#### SUBTITLE D—MATTERS RELATING TO RUSSIA

##### Section 1231—Extension of Limitation on Military Cooperation between the United States and Russia

This section would extend for 1 year section 1232(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). This section would limit the use of fiscal year 2023 funds for bilateral military-to-military cooperation between the Government of the United States and Russia until the Secretary of Defense, in coordination with the Secretary of State, provides a certification to appropriate congressional committees relating to certain actions by Russia.

## Section 1232—Modification and Extension of Ukraine Security Assistance Initiative

This section would extend by 1 year section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to authorize the Secretary of Defense to provide security assistance and intelligence support to the government of Ukraine, with the concurrence of the Secretary of State; harmonize the authority with changes made in the Consolidated Appropriations Act, 2022 (Public Law 117-103); and allow transfers of equipment to replenish comparable stocks of equipment provided by allies and partners to Ukraine. This section would also authorize \$450.0 million to carry out this authority in fiscal year 2023.

## Section 1233—Prohibition on Availability of Funds Relating to Sovereignty of Russia over Crimea

This section would extend by 1 year the prohibition imposed by section 1245 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). This section would prohibit the use of fiscal year 2023 funds to implement any activity that recognizes the sovereignty of Russia over Crimea. This section would also allow the Secretary of Defense, with the concurrence of the Secretary of State, to waive the prohibition if the Secretary of Defense determines that doing so would be in the national security interest of the United States and submits a notification to the House Committee on Armed Services, the Senate Committee on Armed Services, the Senate Committee on Foreign Relations, and the House Committee on Foreign Affairs.

## Section 1234—Assessment of Russian Strategy in Ukraine

This section would require the Secretary of Defense, not later than 180 days after the date of enactment of this Act, to submit an assessment of the strategic, operational, and organizational strengths and weaknesses of the Russian strategy for invasion and occupation of Ukraine. This section would also modify the Annual Report on Military and Security Developments Involving the Russian Federation, required by section 1234(b) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283), to include the impact of sanctions.

## Section 1235—Report on Efforts by the Russian Federation to Expand Its Presence and Influence in Latin America and the Caribbean

This section would require a report on Russian Federation efforts to expand its influence and malign presence in Latin America.

## SUBTITLE E—MATTERS RELATING TO EUROPE AND NATO

Section 1261—Sense of Congress on United States Defense Posture in Europe following the Further Invasion of Ukraine

This section would express the sense of Congress on United States defense posture in Europe following the further invasion of Ukraine.

Section 1262—Sense of Congress on NATO Membership for Finland and Sweden

This section would express the sense of Congress on North Atlantic Treaty Organization membership for Finland and Sweden.

## TITLE XIII—OTHER MATTERS RELATING TO FOREIGN NATIONS

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—MATTERS RELATING TO THE INDO-PACIFIC REGION

Section 1301—Modification to Annual Report on Military and Security Developments Involving the People's Republic of China

This section would modify section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) to insert elements related to the special operations forces of the People's Liberation Army in the report required by such section.

Section 1302—Sense of Congress on South Korea

This section would express the sense of Congress regarding South Korea.

Section 1303—Sense of Congress on Taiwan Defense Relations

This section would express the sense of Congress regarding Taiwan defense relations.

Section 1304—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

This section would amend section 1251 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) to require an assessment of security cooperation authorities, activities, or resources required to achieve the objectives identified in such section, and would require the Commander, U.S. Indo-Pacific Command, to submit a report on the feasibility and advisability of enhancing defense cooperation with allies and partners in the Indo-Pacific region.

## Section 1305—Sense of Congress and Report on United States Security Cooperation with India

This section would express the sense of Congress regarding India. Further, it would require the Under Secretary of Defense for Policy to submit a report on opportunities for U.S.-India defense cooperation and on the defense relationships between India and Russia, China, Australia, Japan, and the United States.

## Section 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

This section would require the Commander, U.S. Indo-Pacific Command, to submit a report that describes the support and sustainment for critical capabilities in the area of responsibility of U.S. Indo-Pacific Command that are necessary to meet operational requirements in a conflict with a strategic competitor of a duration that exceeds 6 months.

## Section 1307—Modification of Pacific Deterrence Initiative

This section would modify section 1251(d) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) to require the Commander, U.S. Indo-Pacific Command, to submit a report containing a comparison of the specific cost estimates from the independent assessment required by such section to the funding provided in the budget request.

## SUBTITLE B—OTHER MATTERS RELATING TO FOREIGN NATIONS

### Section 1332—Extension of Authority for Certain Payments to Redress Injury and Loss

This section would extend through December 31, 2025, the authority to make ex gratia payments for damage, personal injury, or death that is incident to combat operations of the U.S. Armed Forces, under section 1213 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92).

### Section 1333—Extension of United States-Israel Cooperation to Counter Unmanned Aerial Systems

This section would extend section 1278 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92).

## TITLE XIV—OTHER AUTHORIZATIONS

### LEGISLATIVE PROVISIONS

## SUBTITLE A—MILITARY PROGRAMS

### Section 1401—Working Capital Funds

This section would authorize appropriations for Defense Working Capital Funds at the levels identified in section 4501 of division D of this Act.

### Section 1402—Chemical Agents and Munitions Destruction, Defense

This section would authorize appropriations for Chemical Agents and Munitions Destruction, Defense at the levels identified in section 4501 of division D of this Act.

### Section 1403—Drug Interdiction and Counter-Drug Activities, Defense-Wide

This section would authorize appropriations for Drug Interdiction and Counter-Drug Activities, Defense-wide at the levels identified in section 4501 of division D of this Act.

### Section 1404—Defense Inspector General

This section would authorize appropriations for the Office of the Inspector General of the Department of Defense at the levels identified in section 4501 of division D of this Act.

### Section 1405—Defense Health Program

This section would authorize appropriations for the Defense Health Program at the levels identified in section 4501 of division D of this Act.

## SUBTITLE B—OTHER MATTERS

### Section 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

This section would authorize the transfer of funds to the Joint Department of Defense–Department of Veterans Affairs Medical Facility Demonstration Fund.

### Section 1412—Authorization of Appropriations for Armed Forces Retirement Home

This section would authorize appropriations for the operation of the Armed Forces Retirement Home.

## TITLE XV—CYBER AND INFORMATION OPERATIONS MATTERS

## LEGISLATIVE PROVISIONS

### SUBTITLE A—CYBER MATTERS

#### Section 1501—Improvements to Principal Cyber Advisors

This section would authorize the Principal Cyber Advisor of the Department of Defense to certify the portions of the Department's Cyberspace Activities Budget not covered by the review conducted by the Department of Defense Chief Information Officer under section 142(b)(2) of title 10, United States Code.

#### Section 1502—Modification of Office of Primary Responsibility for Strategic Cybersecurity Program

This section would modify section 1640(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to enable the Secretary of Defense to designate a principal staff assistant from within the Office of the Secretary of Defense to serve as the office of primary responsibility for the Strategic Cybersecurity Program.

#### Section 1503—Establishment of Cyber Operations Designator and Rating for the Navy

This section would direct the Secretary of the Navy, in coordination with the Chief of Naval Operations, to establish and sustain a Cyber Warfare Operations designator for officers and warrant officers and a Cyber Warfare rating for enlisted personnel. This action would take effect not later than 180 days after the date of the enactment of this Act.

#### Section 1504—Cyber Threat Information Collaboration Environment Program

This section would direct the Secretary of Homeland Security, in coordination with the Secretary of Defense and the Director of National Intelligence, acting through the Director of the National Security Agency, to develop an information collaboration environment that enables entities to identify, mitigate, and prevent malicious cyber activity. The collaboration environment would provide limited access to appropriate operationally relevant data about cybersecurity risks and cybersecurity threats, including malware forensics and data from network sensor programs, on a platform that enables query and analysis.

### SUBTITLE B—INFORMATION OPERATIONS

#### Section 1511—Military Operations in Information Environment: Authority and Notifications



This section would require the Department of Defense to notify the appropriate congressional committees within 48 hours of conducting a clandestine operation in the information environment. This section would also make technical changes affirming the external nature of Department operations in the information environment.

#### Section 1513—Joint Information Operations Course

This section would direct the Secretary of Defense to create a joint information operations course to prepare the joint force to employ synchronized information-related capabilities in the information environment.

### SUBTITLE C—REPORTS AND OTHER MATTERS

#### Section 1531—Annual Reports on Support by Military Departments for Cyberspace Operations

This section would require the Commander of U.S. Cyber Command to certify to the congressional defense committees that the military departments had fulfilled the criteria and met the requirements related to each military department's support for cyberspace operations and validated cyberspace-related requirements.

## TITLE XVI—SPACE ACTIVITIES, STRATEGIC PROGRAMS, AND INTELLIGENCE MATTERS

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—SPACE ACTIVITIES

#### Section 1601—Requirements for Protection of Satellites

This section would amend chapter 135 of title 10, United States Code, to require the Chief of Staff of the Space Force, in coordination with the Commander of U.S. Space Command, to establish requirements for defense and resilience prior to any new major satellite acquisition program achieving Milestone A approval, or the equivalent.

#### Section 1602—Strategy on Protection of Satellites

This section would provide the sense of Congress highlighting recent demonstrations of strategic competitors' counter-space capabilities. This section would also require the Secretary of Defense, in coordination with the Director of National Intelligence, to make publicly available a strategy regarding defending and protecting on-orbit satellites.

### Section 1603—Report on Tactically Responsive Space Capabilities

This section would express the sense of Congress that given the successful tactically responsive launch-2 mission, the Space Force should continue to broaden tactically responsive space efforts with a focus on rapid reconstitution and responsiveness. The section would also recommend the Space Force consider establishing a "Tactically Responsive Space" budget line and would require a report on planned tactically responsive space activities.

### Section 1604—National Security Space Launch Program

This section would express a sense of Congress regarding the acquisition approach for phase three of the National Security Space Launch (NSSL) program, and would require quarterly briefings to the appropriate committees on the development of the phase three acquisition strategy. The section would also require that the Commander of Space Systems Command notify the defense and intelligence committees following completion of mission assignment boards for phase two of the NSSL program.

## SUBTITLE B—DEFENSE INTELLIGENCE AND INTELLIGENCE-RELATED ACTIVITIES

### Section 1612—Information on Cover and Cover Support Activities

This section would require a report on cover and cover support activities of the Department of Defense.

## SUBTITLE D—MISSILE DEFENSE PROGRAMS

### Section 1632—Fire Control Architectures

This section would express the sense of Congress commending the needed and significant shift in the new missile architecture, notably the tranche I and II capabilities of the Space Development Agency (SDA). Congress further notes the SDA and Space Force should develop a sensor payload integrated in this architecture that should take into account and integrate capabilities being developed by the hypersonic and ballistic tracking space sensor program.

This section would also require the Director of the Space Warfighting Analysis Center to provide a briefing to the House Committee on Armed Services not later than 14 days after the Director concludes an analysis of these architectures to support the engagement of ballistic and hypersonic threats.

### Section 1636—Plan on Delivering Shared Early Warning System Data to Certain Allies and Partners of the United States

This section would require the Secretary of Defense, in coordination with the Secretary of State and Director for National Intelligence, to develop a technical fielding plan to deliver information from the Shared Early Warning System regarding current and imminent missile threats to allies and partners. This section would also require a report on how rapid fielding of this information to additional countries could be provided to allies and partners of the United States that do not currently receive the data, and are under imminent threat of missile attack.

#### SUBTITLE E—OTHER MATTERS

##### Section 1641—Cooperative Threat Reduction Funds

This section would allocate specific funding amounts for each program under the Department of Defense Cooperative Threat Reduction (CTR) Program from within the overall \$341.6 million that the committee would authorize for the Cooperative Threat Reduction Program. The allocation under this section reflects the amount of the budget request for fiscal year 2023.

This section would specify that funds authorized to be appropriated to the Department of Defense for the Cooperative Threat Reduction Program, established under the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), would be available for obligation for fiscal years 2023-25.

### TITLE XVII—MUNITIONS REPLENISHMENT AND FUTURE PROCUREMENT

#### LEGISLATIVE PROVISIONS

##### Section 1701—Modification to Special Defense Acquisition Fund

This section would modify the Special Defense Acquisition Fund to increase, by \$1.0 billion, the maximum size of the Special Defense Acquisition Fund established pursuant to chapter 5 of the Arms Export Control Act (22 U.S.C. 2795 et seq.).

##### Section 1702—Development of Technologies with Respect to Critical, Preferred, and Precision-Guided Conventional Munitions

This section would require 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, to undertake an initiative to develop and invest in technologies to reduce the cost of critical, preferred, and precision-guided conventional munitions and their development, increase reliability and lethality, simplify manufacturing processes, and diversify the relevant supply chains.

### Section 1703—Sense of Congress and Quarterly Briefings on Replenishment and Revitalization of Stocks of Tactical Missiles Provided to Ukraine

This section would express the sense of Congress on replenishment and revitalization of stocks for tactical missiles provided to Ukraine. This section would also require quarterly briefings to Congress on the Department of Defense's progress toward replenishing and sustaining the production capacity for these munitions and its efforts to work with U.S. allies and partners to advance the replenishment of munitions stocks for allies and partners that have provided support to Ukraine.

### Section 1705—Federally Funded Research and Development Center Analysis of Department of Defense Capability and Capacity to Replenish Missile and Munition Inventories

This section would provide the sense of Congress regarding the importance of understanding defense industrial base's ability to replenish critical weapon inventories. This section would also direct the Secretary of Defense to enter into an agreement with a federally funded research and development center (FFRDC) to provide analysis regarding certain missile and munition inventories, supply chains, and the ability to replenish those inventories if needed, and provide a report on the analysis to the congressional defense committees not later than 180 days after the agreement is entered into with the FFRDC.

### Section 1706—Out-year Unconstrained Total Munitions Requirement, Out-year Inventory Numbers, and Critical Munitions Reserve

This provision would amend section 222c of title 10, United States Code to require a description and explanation of the implementation guidance developed by the Under Secretary of Defense for Acquisition and Sustainment for the munitions requirements process used by the Armed Forces. It would also require establishment and maintenance of a critical munitions reserve with quarterly reports to Congress on the management and funding of such reserves.

### Section 1707—Identification of Subcontractors for Critical Munitions Contracts

This section would require the Under Secretary of Defense for Acquisition and Sustainment to carry out a pilot program to establish a process for identifying sub tier contractors that supply products or services to critical munitions contracts, and provide the implementation plan to the congressional defense committees not later than 180 days after enactment. The section would further require an assessment of the feasibility of expanding the pilot program to future DO- or DX-rated programs.

## **DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS**

### **TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS**

#### **LEGISLATIVE PROVISIONS**

##### **SUBTITLE B—CONTINUATION OF MILITARY HOUSING REFORMS**

###### **Section 2812—Notice Requirement for MHPI Ground Lease Extensions**

This section would require the service secretaries to notify and provide a briefing to the congressional defense committees 90 days before they enter into any ground lease extension with a military housing privatization initiative partner. The notice and briefing shall include the new leasing terms of the agreement; the number of housing units to be constructed, demolished, and renovated; and the sources of additional financing, among other items.

###### **Section 2814—Privatization of Navy and Air Force Transient Housing**

This section would require the Navy and Air Force, 11 years after this provision becomes law, to privatize their transient housing, prevent government direct loans, government guarantees, or government equity from being used to accomplish this privatization, and would require consultation with the Army, which has already completed the privatization process. This section would also require annual reports until privatization is complete.

##### **SUBTITLE H—OTHER MATTERS**

###### **Section 2871—Defense Community Infrastructure Program**

This section would amend section 2391 of title 10, United States Code, to add properties subject to leases and easements with military installations to the permissible recipients of Defense Community Infrastructure Program funds.

###### **Section 2872—Inclusion in Defense Community Infrastructure Pilot Program of Certain Projects for ROTC Training**

This section would add certain projects for Reserve Officers' Training Corps training into the list of eligible projects for the Defense Community Infrastructure Pilot Program.

**DIVISION C—DEPARTMENT OF ENERGY NATIONAL  
SECURITY AUTHORIZATIONS AND OTHER  
AUTHORIZATIONS**

**TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY  
PROGRAMS**

**LEGISLATIVE PROVISIONS**

**SUBTITLE A—NATIONAL SECURITY PROGRAMS AND AUTHORIZATIONS**

**Section 3101—National Nuclear Security Administration**

This section would authorize appropriations for the National Nuclear Security Administration of the Department of Energy for fiscal year 2023 at the levels specified in the funding table in division D of this Act.

**Section 3102—Defense Environmental Cleanup**

This section would authorize appropriations for defense environmental cleanup for the Department of Energy for fiscal year 2023 at the levels specified in the funding table in division D of this Act.

**Section 3103—Other Defense Activities**

This section would authorize appropriations for other defense activities for the Department of Energy for fiscal year 2023 at the levels specified in the funding table in division D of this Act.

**Section 3104—Nuclear Energy**

This section would authorize appropriations for nuclear energy for the Department of Energy for fiscal year 2023 at the levels specified in the funding table in division D of this Act.

**SUBTITLE B—PROGRAM AUTHORIZATIONS, RESTRICTIONS, LIMITATIONS, AND OTHER  
MATTERS**

**Section 3111—Plutonium Pit Production Capacity**

This section would amend subsection (a) of section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a) to require the Secretary of Energy to produce the annual number of war reserve plutonium pits that the Secretary of Defense identifies as a requirement of the Department of Defense and maintain

requirements for producing, during any year that the Secretary of Defense identifies such production amount as a requirement, 30 war reserve plutonium pits at Los Alamos National Laboratory and 50 war reserve plutonium pits at the Savannah River Plutonium Processing Facility.

#### Section 3112—Nuclear Warhead Acquisition Process

This section would amend section 4223 of the Atomic Energy Defense Act (50 U.S.C. 2538e) to expand reporting and certification requirements for the W93 nuclear weapon to include other new or modified nuclear weapons.

#### Section 3114—Modification to Certain Reporting Requirements

This section would amend the Atomic Energy Defense Act (50 U.S.C. 2501) to modify certain reporting requirements.

#### Section 3115—Modifications to Long-Term Plan for Meeting National Security Requirements for Unencumbered Uranium

This section would amend subsection (a) of section 4221 of the Atomic Energy Defense Act (50 U.S.C. 2538c) to modify the requirement for the long-term plan for meeting national security requirements for unencumbered uranium. It would add requirements to consider uranium production by private industry and how uranium enrichment options would reduce reliance on importing uranium from foreign adversaries. It would also require a review by the Comptroller General of the United States of each plan submitted to Congress.

### TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

#### LEGISLATIVE PROVISIONS

##### Section 3201—Authorization

This section would authorize \$41.4 million for the Defense Nuclear Facilities Safety Board.

##### Section 3202—Continuation of Functions and Powers during Loss of Quorum

This section would amend section 311(e) of the Atomic Energy Act of 1954 (42 U.S.C. 2286(e)) to authorize temporary delegation of the mission functions of the Defense Nuclear Facilities Safety Board to the Chairperson for up to 1 year in the event of a loss of quorum.

### TITLE XXXV—MARITIME SECURITY

## LEGISLATIVE PROVISIONS

### SUBTITLE B—MERCHANT MARINE ACADEMY

#### Section 3512—Exemption of Certain Students from Requirement to Obtain Merchant Mariner License

This section would amend section 51309 of title 46, United States Code, and modify or waive requirements for students with respect to merchant mariner licensing.

#### Section 3513—Protection of Cadets from Sexual Assault onboard Vessels

This section would amend section 51322 of title 46, United States Code, and insert new standards and requirements for commercial vessels participating in the United States Merchant Marine Academy's Sea Year program.

#### Section 3514—Requirements Relating to Training of Merchant Marine Academy Cadets on Certain Vessels

This section would require vessels participating in the Maritime Security Program, Cable Security Program, or Tanker Security Program to implement and adhere to policies, programs, criteria, and requirements established pursuant to section 51322 of title 46, United States Code.

#### Section 3515—Reports on Matters Relating to the United States Merchant Marine Academy

This section would require the United States Merchant Marine Academy to provide quarterly reports on the status of implementation of the National Academy of Public Administration report recommendations.

## DIVISION D—FUNDING TABLES

### Section 4001—Authorization of Amounts in Funding Tables

This section would provide for the allocation of funds among programs, projects, and activities in accordance with the tables in division D of this Act, subject to reprogramming guidance in accordance with established procedures.

Consistent with the previously expressed views of the committee, this section would also require that a decision by an agency head to commit, obligate, or expend funds to a specific entity on the basis of such funding tables be based on merit-based selection procedures in accordance with the requirements of section 2304(k) and section 2374 of title 10, United States Code, and other applicable



provisions of law, except when the project, program, or activity is identified as Community Project Funding in section 4201.

# **BILL LANGUAGE**

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

3 **SEC. 101 [Log 74943]. AUTHORIZATION OF APPROPRIA-**  
4                           **TIONS.**

5           Funds are hereby authorized to be appropriated for  
6 fiscal year 2023 for procurement for the Army, the Navy  
7 and the Marine Corps, the Air Force and the Space Force,  
8 and Defense-wide activities, as specified in the funding  
9 table in section 4101.

## 1           **Subtitle B—Navy Programs**

### 2   **SEC. 111 [Log 75186]. REQUIREMENTS RELATING TO EA-18G** 3                   **AIRCRAFT OF THE NAVY.**

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

6                   (1) by redesignating subsection (f) as sub-  
7           section (g); and

8                   (2) by inserting after subsection (e) the fol-  
9           lowing new subsection:

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

11                   “(i) retire an EA-18G aircraft;

12                   “(ii) prepare to retire an EA-18G aircraft;

13                   “(iii) place an EA-18G aircraft in active  
14           storage status or inactive storage status; or

15                   “(iv) keep an EA-18G aircraft in a status  
16           considered excess to the requirements of the  
17           possessing command and awaiting disposition  
18           instructions.

19                   “(B) The prohibition under subparagraph (A)  
20           shall not apply to individual EA-18G aircraft that  
21           the Secretary of the Navy determines, on a case-by-  
22           case basis, to be no longer mission capable and un-  
23           economical to repair because of aircraft accidents or  
24           mishaps.

1           “(2)(A) Beginning on October 1, 2022, the Secretary  
2 of the Navy shall maintain a total aircraft inventory of  
3 EA–18G aircraft of not less than 158 aircraft, of which  
4 not less than 126 aircraft shall be coded as primary mis-  
5 sion aircraft inventory.

6           “(B) The Secretary of the Navy may reduce the num-  
7 ber of EA–18G aircraft in the inventory of the Navy below  
8 the minimum number specified in subparagraph (A) if the  
9 Secretary determines on a case-by-case basis, that an air-  
10 craft is no longer mission capable and uneconomical to re-  
11 pair because of aircraft accidents or mishaps.

12           “(C) In this paragraph, the term ‘primary mission  
13 aircraft inventory’ means aircraft assigned to meet the  
14 primary aircraft authorization—

15                   “(i) to a unit for the performance of its war-  
16 time mission;

17                   “(ii) to a training unit for technical and special-  
18 ized training for crew personnel or leading to air-  
19 crew qualification;

20                   “(iii) to a test unit for testing of the aircraft  
21 or its components for purposes of research, develop-  
22 ment, test, and evaluation, operational test and eval-  
23 uation, or to support testing programs; or

24                   “(iv) to meet requirements for missions not oth-  
25 erwise specified in clauses (i) through (iii).”.

## 1       **Subtitle C—Air Force Programs**

### 2       **SEC. 121 [Log 75373]. MODIFICATION OF INVENTORY RE-** 3                               **QUIREMENTS FOR AIRCRAFT OF THE COM-** 4                               **BAT AIR FORCES.**

5           (a) TOTAL FIGHTER AIRCRAFT INVENTORY RE-  
6       QUIREMENTS.—Section 9062(i)(1) of title 10, United  
7       States Code, is amended by striking “1,970” and inserting  
8       “1,800”.

9           (b) A–10 MINIMUM INVENTORY REQUIREMENTS.—

10               (1) Section 134(d) of the National Defense Au-  
11       thorization Act for Fiscal Year 2017 (Public Law  
12       114–328; 130 Stat. 2038) is amended by striking  
13       “171” and inserting “153”.

14               (2) Section 142(b)(2) of the National Defense  
15       Authorization Act for Fiscal Year 2016 (Public Law  
16       114–92; 129 Stat. 755 ) is amended by striking  
17       “171” and inserting “153”.

18           (c) MODIFICATION OF LIMITATION ON AVAILABILITY  
19       OF FUNDS FOR DESTRUCTION OF A–10 AIRCRAFT IN  
20       STORAGE STATUS.—Section 135(a) of the National De-  
21       fense Authorization Act for Fiscal Year 2017 (Public Law  
22       114–328; 130 Stat. 2039) is amended by striking “the  
23       report required under section 134(e)(2)” and inserting “a  
24       report that includes the information described in section  
25       134(e)(2)(C)”.

1 **SEC. 123 [Log 75185]. REQUIREMENTS RELATING TO F-22**  
2 **AIRCRAFT.**

3 Section 9062 of title 10, United States Code, is  
4 amended by adding at the end the following new sub-  
5 section:

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

7 “(i) retire an F-22 aircraft;

8 “(ii) prepare to retire an F-22 aircraft; or

9 “(iii) keep an F-22 aircraft in a status  
10 considered excess to the requirements of the  
11 possessing command and awaiting disposition  
12 instructions (commonly referred to as ‘XJ’ sta-  
13 tus).

14 “(B) The prohibition under subparagraph (A)  
15 shall not apply to individual F-22 aircraft that the  
16 Secretary of the Air Force determines, on a case-by-  
17 case basis, to be no longer mission capable and un-  
18 economical to repair because of aircraft accidents or  
19 mishaps.

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

23 “(B) The Secretary of the Air Force may reduce the  
24 number of F-22 aircraft in the inventory of the Air Force  
25 below the minimum number specified in subparagraph (A)  
26 if the Secretary determines on a case-by-case basis, that

1 an aircraft is no longer mission capable and uneconomical  
2 to repair because of aircraft accidents or mishaps.

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

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

8 “(B) mission systems, sensors, and weapon em-  
9 ployment capabilities more advanced than those de-  
10 scribed in subparagraph (A).”.



1 **SEC. 126 [Log 74844]. LIMITATION ON RETIREMENT OF E-3**  
2 **AIRBORNE WARNING AND CONTROL SYSTEM**  
3 **AIRCRAFT.**

4 (a) **LIMITATION.**—The Secretary of the Air Force  
5 may not retire or prepare to retire more than a total of  
6 10 E-3 Airborne Warning and Control System aircraft  
7 until a period of 30 days has elapsed following the date  
8 on which the Secretary of the Air Force submits the report  
9 required under subsection (b).

10 (b) **REPORT REQUIRED.**—

11 (1) **IN GENERAL.**—The Secretary of the Air  
12 Force shall submit to the congressional defense com-  
13 mittees a report on the airborne warning and control  
14 capabilities and capacity of the Air Force.

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

17 (A) An assessment of—

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

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

24 (B) Identification of—

25 (i) air moving target indicator and  
26 battle management and command and con-

1 control requirements as of the date of the re-  
2 port;

3 (ii) the number of such requirements  
4 being fulfilled by the current fleet of 31 E-  
5 3 aircraft or other capabilities; and

6 (iii) the number of such requirements  
7 that would be fulfilled by a reduced fleet of  
8 16 E-3 aircraft.

9 (C) An assessment of whether and to what  
10 extent a reduced fleet of 16 E-3 aircraft would  
11 affect the level of support provided to the oper-  
12 ations of the geographic combatant commands.

13 (D) A comparison of the capabilities of the  
14 E-3 aircraft with the capabilities of the E-7  
15 aircraft that is proposed as a replacement for  
16 the E-3 aircraft.

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

21 (F) An acquisition strategy for the E-7  
22 aircraft proposed as a replacement for the E-  
23 3 aircraft that is—

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

- 1 (ii) includes cost and schedule data,
- 2 plans for training and fielding, and an as-
- 3 sessment of possible courses of action to
- 4 accelerate the proposed acquisition.

1     **Subtitle D—Defense-wide, Joint,**  
2             **and Multiservice Matters**

3     **SEC. 131 [Log 75088]. INCREASE AIR FORCE AND NAVY USE**  
4                     **OF USED COMMERCIAL DUAL-USE PARTS IN**  
5                     **CERTAIN AIRCRAFT AND ENGINES.**

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

11             (1) the acquisition of used, overhauled, recondi-  
12    tioned, and remanufactured commercial dual-use  
13    parts; and

14             (2) the use of such commercial-dual use parts,  
15    to the extent practicable, in all—

16                 (A) commercial derivative aircraft and en-  
17    gines; and

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

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

1 (1) pursuant to competitive procedures (as de-  
2 fined in section 3012 of title 10, United States  
3 Code); and

4 (2) only from suppliers that provide parts that  
5 possess an Authorized Release Certificate Federal  
6 Aviation Administration Form 8130-3 Airworthy  
7 Approval Tag from a certified repair station pursu-  
8 ant to part 145 of title 14, Code of Federal Regula-  
9 tions.

10 (c) DEFINITIONS.—In this section:

11 (1) COMMERCIAL DERIVATIVE.—The term  
12 “commercial derivative” means an item procured by  
13 the Department of Defense that is or was produced  
14 using the same or similar production facilities, a  
15 common supply chain, and the same or similar pro-  
16 duction processes that are used for the production of  
17 the item as predominantly used by the general public  
18 or by nongovernmental entities for purposes other  
19 than governmental purposes.

20 (2) COMMERCIAL DUAL-USE PARTS.—The term  
21 “commercial dual-use parts” means a product that  
22 is—

23 (A) a commercial product;

24 (B) dual-use;

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

1 (D) not a life limited part.

2 (3) COMMERCIAL PRODUCT.—The term “com-  
3 mercial product” has the meaning given such term  
4 in section 103 of title 41, United States Code.

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

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

3 **SEC. 201 [Log 74944]. AUTHORIZATION OF APPROPRIA-**  
4                           **TIONS.**

5           Funds are hereby authorized to be appropriated for  
6 fiscal year 2023 for the use of the Department of Defense  
7 for research, development, test, and evaluation, as speci-  
8 fied in the funding table in section 4201.

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

4 **SEC. 211 [Log 74863]. CLARIFICATION OF ROLE OF SENIOR**  
5 **OFFICIAL WITH PRINCIPAL RESPONSIBILITY**  
6 **FOR ARTIFICIAL INTELLIGENCE AND MA-**  
7 **CHINE LEARNING.**

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

13 (1) by amending subsection (c) to read as fol-  
14 lows:

15 “(c) ORGANIZATION AND ROLES.—

16 “(1) IN GENERAL.—In addition to designating  
17 an official under subsection (b), the Secretary of De-  
18 fense shall assign to appropriate officials within the  
19 Department of Defense roles and responsibilities re-  
20 lating to the research, development, prototyping,  
21 testing, procurement of, requirements for, and oper-  
22 ational use of artificial intelligence technologies.

23 “(2) APPROPRIATE OFFICIALS.—The officials  
24 assigned roles and responsibilities under paragraph  
25 (1) shall include—



1           “(A) the Under Secretary of Defense for  
2           Research and Engineering;

3           “(B) the Under Secretary of Defense for  
4           Acquisition and Sustainment;

5           “(C) one or more officials in each military  
6           department;

7           “(D) officials of appropriate Defense Agen-  
8           cies; and

9           “(E) such other officials as the Secretary  
10          of Defense determines appropriate.”;

11          (2) in subsection (e) in the second sentence, by  
12          striking “Director of the Joint Artificial Intelligence  
13          Center” and inserting “the official designated under  
14          subsection (b)”;

15          (3) by striking subsection (h).

16          (b) PERSONNEL MANAGEMENT AUTHORITY TO AT-  
17          TRACT EXPERTS IN SCIENCE AND ENGINEERING.—Sec-  
18          tion 4092 of title 10, United States Code, is amended—

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

21                 “(6) JOINT ARTIFICIAL INTELLIGENCE RE-  
22                 SEARCH, DEVELOPMENT, AND TRANSITION ACTIVI-  
23                 TIES.—The official designated under subsection (b)  
24                 of section 238 of the John S. McCain National De-  
25                 fense Authorization Act for Fiscal Year 2019 (Pub-

1       lic Law 115–232) shall carry out a program of per-  
2       sonnel management authority provided in subsection  
3       (b) of this section in order to facilitate recruitment  
4       of eminent experts in science or engineering to sup-  
5       port the activities of such official under such section  
6       238.”.

7               (2) in subsection (b)(1)(F)—

8                       (A) by striking “Joint Artificial Intel-  
9                       ligence Center” and inserting “official des-  
10                      ignated under subsection (b) of section 238 of  
11                      the John S. McCain National Defense Author-  
12                      ization Act for Fiscal Year 2019 (Public Law  
13                      115–232)”; and

14                     (B) by striking “in the Center” and insert-  
15                     ing “in support of the activities of such official  
16                     under such section”; and

17               (3) in subsection (c)(2), by striking “the Joint  
18       Artificial Intelligence Center” and inserting “the ac-  
19       tivities under section 238 of the John S. McCain  
20       National Defense Authorization Act for Fiscal Year  
21       2019 (Public Law 115–232)”.

22       (c) REVIEW OF ARTIFICIAL INTELLIGENCE APPLICA-  
23       TIONS AND ESTABLISHMENT OF PERFORMANCE  
24       METRICS.—Section 226(b) of the National Defense Au-

1 thORIZATION Act for Fiscal Year 2022 (Public Law 117–  
2 81; 10 U.S.C. 4001 note) is amended—

3 (1) in paragraph (3), by inserting “or the offi-  
4 cial designated under subsection (b) of section 238  
5 of the John S. McCain National Defense Authoriza-  
6 tion Act for Fiscal Year 2019 (Public Law 115–232;  
7 10 U.S.C. note prec. 4061)” after “Director of the  
8 Joint Artificial Intelligence Center”;

9 (2) in paragraph (4), by inserting “or the offi-  
10 cial designated under subsection (b) of section 238  
11 of the John S. McCain National Defense Authoriza-  
12 tion Act for Fiscal Year 2019 (Public Law 115–232;  
13 10 U.S.C. note prec. 4061)” after “Director of the  
14 Joint Artificial Intelligence Center”; and

15 (3) in paragraph (5), by inserting “or the offi-  
16 cial designated under subsection (b) of section 238  
17 of the John S. McCain National Defense Authoriza-  
18 tion Act for Fiscal Year 2019 (Public Law 115–232;  
19 10 U.S.C. note prec. 4061)” after “Director of the  
20 Joint Artificial Intelligence Center”.

21 (d) MODIFICATION OF THE JOINT COMMON FOUNDA-  
22 TION PROGRAM.—Section 227(a) of the National Defense  
23 Authorization Act for Fiscal Year 2022 (Public Law 117–  
24 81; 10 U.S.C. 4001 note) is amended by striking “Joint  
25 Artificial Intelligence Center” and inserting “the office of

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

5 (e) PILOT PROGRAM ON DATA REPOSITORIES TO FA-  
6 CILITATE THE DEVELOPMENT OF ARTIFICIAL INTEL-  
7 LIGENCE CAPABILITIES FOR THE DEPARTMENT OF DE-  
8 FENSE.—Section 232 of the National Defense Authoriza-  
9 tion Act for Fiscal Year 2022 (Public Law 117–81; 10  
10 U.S.C. 4001 note) is amended—

11 (1) in the section heading, by striking “**PILOT**  
12 **PROGRAM ON DATA REPOSITORIES**” and insert-  
13 ing “**DATA REPOSITORIES**”;

14 (2) by amending subsection (a) to read as fol-  
15 lows:

16 “(a) ESTABLISHMENT OF DATA REPOSITORIES.—  
17 The Secretary of Defense, acting through the official des-  
18 ignated under subsection (b) of section 238 of the John  
19 S. McCain National Defense Authorization Act for Fiscal  
20 Year 2019 (Public Law 115–232; 10 U.S.C. note prec.  
21 4061) (and such other officials as the Secretary deter-  
22 mines appropriate), shall—

23 “(1) establish data repositories containing De-  
24 partment of Defense data sets relevant to the devel-

1       opment of artificial intelligence software and tech-  
2       nology; and

3               “(2) allow appropriate public and private sector  
4       organizations to access such data repositories for the  
5       purpose of developing improved artificial intelligence  
6       and machine learning software capabilities that may,  
7       as determined appropriate by the Secretary, be pro-  
8       cured by the Department to satisfy Department re-  
9       quirements and technology development goals.”;

10              (3) in subsection (b), by striking “If the Sec-  
11       retary of Defense carries out the pilot program  
12       under subsection (a), the data repositories estab-  
13       lished under the program” and inserting “The data  
14       repositories established under subsection (a)”;

15              (4) by amending subsection (c) to read as fol-  
16       lows:

17       “(c) BRIEFING.—Not later than July 1, 2023, the  
18       Secretary of Defense shall provide to the congressional de-  
19       fense committees a briefing on—

20              “(1) the types of information the Secretary de-  
21       termines are feasible and advisable to include in the  
22       data repositories established under subsection (a);  
23       and

24              “(2) the progress of the Secretary in estab-  
25       lishing such data repositories.”.

1 (f) DIGITAL DEVELOPMENT INFRASTRUCTURE PLAN  
2 AND WORKING GROUP.—Section 1531(d)(2)(C) of the  
3 National Defense Authorization Act for Fiscal Year 2022  
4 (Public Law 117–81; 135 Stat. 2051) is amended by strik-  
5 ing “The Joint Artificial Intelligence Center (JAIC)” and  
6 inserting “The office of the official designated under sub-  
7 section (b) of section 238 of the John S. McCain National  
8 Defense Authorization Act for Fiscal Year 2019 (Public  
9 Law 115–232; 10 U.S.C. note prec. 4061)”.

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

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

1 (1) in paragraph (1), by striking “the Joint Ar-  
2 tificial Intelligence Center” and inserting “the office  
3 of the official designated under subsection (b) of sec-  
4 tion 238 of the John S. McCain National Defense  
5 Authorization Act for Fiscal Year 2019 (Public Law  
6 115–232; 10 U.S.C. note prec. 4061)”;

7 (2) by striking paragraph (2); and

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

10 (i) ACQUISITION AUTHORITY OF THE DIRECTOR OF  
11 THE JOINT ARTIFICIAL INTELLIGENCE CENTER.—Sec-  
12 tion 808 the William M. (Mac) Thornberry National De-  
13 fense Authorization Act for Fiscal Year 2021 (Public Law  
14 116–283; 10 U.S.C. 4001 note) is amended—

15 (1) in the section heading, by striking “**THE**  
16 **DIRECTOR OF THE JOINT ARTIFICIAL INTEL-**  
17 **LIGENCE CENTER**” and inserting “**THE SENIOR**  
18 **OFFICIAL WITH PRINCIPAL RESPONSIBILITY**  
19 **FOR ARTIFICIAL INTELLIGENCE AND MACHINE**  
20 **LEARNING**”;

21 (2) in subsection (a)—

22 (A) by striking “the Director of the Joint  
23 Artificial Intelligence Center” and inserting  
24 “the official designated under subsection (b) of  
25 section 238 of the John S. McCain National

1 Defense Authorization Act for Fiscal Year 2019  
2 (Public Law 115–232; 10 U.S.C. note prec.  
3 4061) (referred to in this section as the ‘Offi-  
4 cial’); and

5 (B) by striking “the Center” and inserting  
6 “the office of such official (referred to in this  
7 section as the ‘Office’)”;

8 (3) in subsection (b)—

9 (A) in the subsection heading, by striking  
10 “JAIC”;

11 (B) in paragraph (1)—

12 (i) in the matter preceding subpara-  
13 graph (A),

14 (I) by striking “staff of the Di-  
15 rector” and inserting “staff of the Of-  
16 ficial”; and

17 (II) by striking “the Director of  
18 the Center” and inserting “such Offi-  
19 cial”;

20 (ii) in subparagraph (A), by striking  
21 “the Center” and inserting “the Office”;

22 (iii) in subparagraph (B), by striking  
23 “the Center” and inserting “the Office”;



1 (iv) in subparagraph (C), by striking  
2 “the Center” each place it appears and in-  
3 sserting “the Office”; and

4 (v) in subparagraph (D), by striking  
5 “the Center” each place it appears and in-  
6 sserting “the Office”;

7 (C) in paragraph (2)—

8 (i) by striking “the Center” and in-  
9 sserting “the Office”; and

10 (ii) by striking “the Director” and in-  
11 sserting “the Official”;

12 (4) in subsection (c)(1)—

13 (A) by striking “the Center” and inserting  
14 “the Office”; and

15 (B) by striking “the Director” and insert-  
16 ing “the Official”;

17 (5) in subsection (d), by striking “the Director”  
18 and inserting “the Official”;

19 (6) in subsection (e)—

20 (A) in paragraph (2)—

21 (i) in subparagraph (B), by striking  
22 “Center missions” and inserting “the mis-  
23 sions of the Office”; and

1 (ii) in subparagraph (D), by striking  
2 “the Center” and inserting “the Office”;  
3 and

4 (B) in paragraph (3), by striking “the  
5 Center” and inserting “the Office”;

6 (7) in subsection (f), by striking “the Director”  
7 and inserting “the Official”; and

8 (8) in subsection (g)—

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

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

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

16 (1) in the section heading, by striking “**JOINT**  
17 **ARTIFICIAL INTELLIGENCE CENTER**” and insert-  
18 ing “**OFFICE OF THE SENIOR OFFICIAL WITH**  
19 **PRINCIPAL RESPONSIBILITY FOR ARTIFICIAL**  
20 **INTELLIGENCE AND MACHINE LEARNING**”;

21 (2) in subsection (a)—

22 (A) by striking “2023” and inserting  
23 “2026”; and

24 (B) by striking “the Joint Artificial Intel-  
25 ligence Center (referred to in this section as the

1           ‘Center’))” and inserting “the office of the offi-  
2           cial designated under subsection (b) of section  
3           238 of the John S. McCain National Defense  
4           Authorization Act for Fiscal Year 2019 (Public  
5           Law 115–232; 10 U.S.C. note prec. 4061) (re-  
6           ferred to in this section as the ‘Office’));

7           (3) in subsection (b)—

8                   (A) by striking “Center” each place it ap-  
9                   pears and inserting “Office”;

10                   (B) in paragraph (2), by striking “the Na-  
11                   tional Mission Initiatives, Component Mission  
12                   Initiatives, and any other initiatives” and in-  
13                   serting “any initiatives”; and

14                   (C) in paragraph (7), by striking “the  
15                   Center’s investments in the National Mission  
16                   Initiatives and Component Mission Initiatives”  
17                   and inserting “the Office’s investments in its  
18                   initiatives and other activities”; and

19           (4) by striking subsection (c).

20           (k) REPORTING RESPONSIBILITY.—Section 903(b) of  
21           the National Defense Authorization Act for Fiscal Year  
22           2020 (Public Law 116–92; 10 U.S.C. 2223 note) is  
23           amended—

24           (1) by striking paragraph (3); and

1           (2) by redesignating paragraph (4) as para-  
2           graph (3).

3           (1) REFERENCES IN EXISTING LAW.—Any reference  
4 in any law, regulation, guidance, instruction, or other doc-  
5 ument of the Federal Government to the Director of the  
6 Joint Artificial Intelligence Center of the Department of  
7 Defense or to the Joint Artificial Intelligence Center shall  
8 be deemed to refer to the official designated under section  
9 238(b) of the John S. McCain National Defense Author-  
10 ization Act for Fiscal Year 2019 (Public Law 115–232;  
11 10 U.S.C. note prec. 4061) or the office of such official,  
12 as the case may be.

1 **SEC. 212 [Log 75007]. ROLE OF THE CHIEF DIGITAL AND AR-**  
2 **TIFICIAL INTELLIGENCE OFFICER IN FOS-**  
3 **TERING INTEROPERABILITY AMONG JOINT**  
4 **FORCE SYSTEMS.**

5 (a) IN GENERAL.—The Secretary of Defense, in con-  
6 sultation with the Director of National Intelligence, shall  
7 direct the Chief Digital and Artificial Intelligence Officer  
8 of the Department of Defense to carry out the activities  
9 described in subsection (b) in support of the Joint All Do-  
10 main Command and Control strategy and the Joint  
11 Warfighting Concept of the Department.

12 (b) ACTIVITIES DESCRIBED.—The activities de-  
13 scribed in this subsection are the following:

14 (1) To solicit feedback from the combatant  
15 commands and the Joint Staff to identify oper-  
16 ational challenges that—

17 (A) are attributable to a lack of interoper-  
18 ability between the warfighting systems and  
19 other technology, including software and data,  
20 of such commands and the Joint Staff; and

21 (B) could potentially be resolved using mis-  
22 sion integration software, including software de-  
23 signed to integrate heterogeneous systems  
24 across domains without upgrading hardware or  
25 changing existing system software.

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

5           (A) the development, procurement, or field-  
6 ing of mission integration software; and

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

10          (3) To identify, acquire, and field existing mis-  
11 sion integration capabilities and enhance ongoing re-  
12 search and development.

13          (4) To support exercises, experimentation, and  
14 demonstrations to highlight and refine mission inte-  
15 gration software and address associated interoper-  
16 ability challenges.

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

21          (c) BRIEFING.—Not later than 180 days after the  
22 date of the enactment of this Act, the Secretary of Defense  
23 shall provide to the Committee on Armed Services of the  
24 House of Representatives a briefing on the progress of the

1 Chief Digital and Artificial Intelligence Officer in carrying  
2 out the activities described in subsection (b)).

3 (d) REPORTS.—On a biannual basis during the pe-  
4 riod of three years following the date of the briefing under  
5 subsection (c), the Secretary of Defense shall submit to  
6 the congressional defense committees a report that in-  
7 cludes, with respect to the period of six months preceding  
8 the date of the report, the following:

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

11 (2) Of those operational challenges—

12 (A) identification of the challenges the  
13 Chief Digital and Artificial Intelligence Officer  
14 addressed through the allocation of funds under  
15 subsection (b)(2); and

16 (B) an explanation of whether and to what  
17 extent activities carried out with such funds re-  
18 duced interoperability challenges.

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

22 (4) A description of any exercises, experimen-  
23 tation, and demonstrations performed.

24 (e) DEFINITIONS.—In this section:

1           (1) The term “Chief Digital and Artificial Intel-  
2           ligence Officer” means the official designated under  
3           subsection (b) of section 238 of the John S. McCain  
4           National Defense Authorization Act for Fiscal Year  
5           2019 (Public Law 115–232; 10 U.S.C. note prec.  
6           4061).

7           (2) The term “mission integration software”  
8           means software that supports military operations by  
9           creating interoperability between systems, tools, and  
10          applications, including weapons, platforms, intel-  
11          ligence, surveillance, and reconnaissance systems, in-  
12          telligence fusion systems, tasking systems, tactical  
13          data links, cyberspace and electronic warfare sys-  
14          tems, communications systems, command and con-  
15          trol systems, common operating pictures, and com-  
16          manders’ decision aids.



1 **SEC. 214 [Log 75490]. ACTIVITIES TO SUPPORT THE USE OF**  
2 **METAL ADDITIVE MANUFACTURING FOR THE**  
3 **SUBSURFACE FLEET OF THE NAVY.**

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

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

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

12 (3) the use of such processes, components, and  
13 materials to meet requirements and milestones appli-  
14 cable to the subsurface fleet of the Navy.

15 (b) FUNDING.—From amounts authorized to be ap-  
16 propriated by this Act for shipbuilding concept advance  
17 design (PE 0603563N), as reflected in division D of this  
18 Act, the Secretary of the Navy is authorized to use up  
19 to \$5,000,0000 to carry out the activities required under  
20 subsection (a).

1       **Subtitle C—Plans, Reports, and**  
2                   **Other Matters**

3       **SEC. 221 [Log 75084]. REPORT ON EFFORTS TO INCREASE**  
4                   **THE PARTICIPATION OF HISTORICALLY**  
5                   **BLACK COLLEGES AND UNIVERSITIES AND**  
6                   **OTHER MINORITY-SERVING INSTITUTIONS IN**  
7                   **THE RESEARCH AND DEVELOPMENT ACTIVI-**  
8                   **TIES OF THE DEPARTMENT OF DEFENSE.**

9           (a) REPORT REQUIRED.—Not later than 180 days  
10 after the date of the enactment of this Act, the Under  
11 Secretary of Defense for Research and Engineering shall  
12 submit to the congressional defense committees a report  
13 on measures that may be implemented to increase the par-  
14 ticipation of historically Black colleges and universities  
15 and other minority-serving institutions in the research, de-  
16 velopment, test, and evaluation activities of the Depart-  
17 ment of Defense.

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

20                   (1) A strategy for the provision of long-term in-  
21                   stitutional support to historically Black colleges and  
22                   universities and other minority-serving institutions,  
23                   including support for—

1 (A) the development and enhancement of  
2 the physical research infrastructure of such in-  
3 stitutions; and

4 (B) the research activities of such institu-  
5 tions.

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

13 (3) An evaluation of options to strengthen sup-  
14 port for historically Black colleges and universities  
15 and other minority-serving institutions within the  
16 military departments and other organizations and  
17 elements of the Department, including an evaluation  
18 of the need for and feasibility of establishing dedi-  
19 cated organizations within the Army, Navy, Marine  
20 Corps, Air Force, and Space Force to increase en-  
21 gagement with such institutions.

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

1           (5) A plan to improve data collection and eval-  
2           uation with respect to historically Black colleges and  
3           universities and other minority-serving institutions,  
4           including—

5                   (A) harmonization of standards with re-  
6                   spect to the type, detail, and organization of  
7                   data on such institutions;

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

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

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

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

19                           (ii) the total number of grants and  
20                           contracts for which such institutions are  
21                           eligible to apply and the number of appli-  
22                           cations received from such institutions for  
23                           such grants and contracts; and

1 (iii) formal feedback mechanisms for  
2 rejected proposals from first-time appli-  
3 cants from such institutions; and

4 (E) as necessary, promulgation of addi-  
5 tional or modified regulations, instructions, or  
6 guidance regarding the collection, evaluation,  
7 and retention of data on such institutions.

8 (6) Identification of the types of research facili-  
9 ties, personnel, capabilities, and subject areas that  
10 are in-demand within the Department so that his-  
11 torically Black colleges and universities and other  
12 minority-serving institutions may prioritize invest-  
13 ment in those types of facilities, personnel, capabili-  
14 ties, and subject areas as appropriate.

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

20 (8) An evaluation of options to implement cri-  
21 teria for the award of grants and contracts that as-  
22 sign value to the inclusion of historically Black col-  
23 leges and universities and other minority-serving in-  
24 stitutions as research partners, including such mech-  
25 anisms as weighted grant solicitation evaluation cri-

1       teria and longer periods of performance to allow for  
2       capacity-building within such institutions.

3           (9) An evaluation of options to incentivize the  
4       defense industry to support capacity building within  
5       historically Black colleges and universities and other  
6       minority-serving institutions, including through the  
7       incentivization of independent research and develop-  
8       ment or other activities.

9           (10) A plan to compile and maintain data re-  
10      garding institutions of higher education, including  
11      historically Black colleges and universities and other  
12      minority-serving institutions, that receive funding  
13      from departments and agencies of the Federal Gov-  
14      ernment outside the Department of Defense.

15          (11) A review of the programs and practices of  
16      departments and agencies of the Federal Govern-  
17      ment outside the Department of Defense relevant to  
18      increasing research capacity at historically Black col-  
19      leges and universities and other minority-serving in-  
20      stitutions for purposes of—

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

23           (B) the identification of opportunities to  
24      leverage the research capacity of such institu-  
25      tions; and

1 (C) increasing the level of collaboration be-  
2 tween the Department and such institutions.

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

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

11 (14) A plan for the implementation of the rec-  
12 ommendations included in the report, as appro-  
13 priate, including an explanation of any additional  
14 funding, authorities, or organizational changes need-  
15 ed for the implementation of such recommendations.

16 (c) DEFINITIONS.—In this section:

17 (1) The term “historically Black college or uni-  
18 versity” means a part B institution (as defined in  
19 section 322 of the Higher Education Act of 1965  
20 (20 U.S.C. 1061)).

21 (2) The term “institution of higher education”  
22 has the meaning given that term in section 101 of  
23 the Higher Education Act of 1932 (20 U.S.C.  
24 1001).

1           (3) The term “other minority-serving institu-  
2           tion” means an institution of higher education speci-  
3           fied in paragraphs (2) through (7) of section 371(a)  
4           of the Higher Education Act of 1965 (20 U.S.C.  
5           1067q(a)).

6           (d) REPORT ON IMPLEMENTATION.—Not later than  
7           180 days after the date of the submission of the report  
8           under subsection (a), the Under Secretary of Defense for  
9           Research and Engineering shall submit to the congress-  
10          sional defense committees a report on the progress of the  
11          Under Secretary in implementing measures to increase the  
12          participation of historically Black colleges and universities  
13          and other minority-serving institutions in the research, de-  
14          velopment, test, and evaluation activities of the Depart-  
15          ment of Defense, as identified in the report under sub-  
16          section (a).



1 **SEC. 222 [Log 75239]. ASSESSMENT OF TEST INFRASTRUC-**  
2 **TURE AND PRIORITIES RELATED TO**  
3 **HYPERSONIC CAPABILITIES AND RELATED**  
4 **TECHNOLOGIES AND HYPERSONIC TEST**  
5 **STRATEGY.**

6 (a) **ASSESSMENT.**—The Secretary of Defense shall  
7 assess the capacity of the Department of Defense to test,  
8 evaluate, and qualify the hypersonic capabilities and re-  
9 lated technologies of the Department.

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

12 (1) An identification of facilities of other de-  
13 partments and agencies of the Federal Government  
14 and commercial facilities relevant to the capacity de-  
15 scribed in subsection (a).

16 (2) An analysis of the capability of each test fa-  
17 cility to simulate various individual and coupled  
18 hypersonic conditions to accurately simulate a real-  
19 istic flight-like environment with all relevant aero-  
20 thermochemical conditions.

21 (3) An identification of the coordination, sched-  
22 uling, reimbursement processes, and requirements  
23 needed for the potential use of test facilities of other  
24 departments and agencies of the Federal Govern-  
25 ment, as available.

1           (4) An analysis of the test frequency, sched-  
2           uling lead time, test cost, and capacity of each test  
3           facility relating to testing technologies of the De-  
4           partment for hypersonic flight.

5           (5) A review of contractor-owned, commercial  
6           ground and flight testbeds that could enhance ef-  
7           forts to test flight vehicles of the Department in all  
8           phases of hypersonic flight, and other technologies,  
9           including sensors, communications, thermal protec-  
10          tive shields and materials, optical windows, naviga-  
11          tion, and environmental sensors.

12          (c) STRATEGY.—

13           (1) REQUIREMENT.—Not later than 180 days  
14           after the date of the enactment of this Act, the Sec-  
15           retary of Defense shall submit to the appropriate  
16           congressional committees a strategy to coordinate  
17           the potential use of test facilities and ranges of  
18           other departments and agencies of the Federal Gov-  
19           ernment, as available, and contractor-owned, com-  
20           mercial flight and reentry test capabilities to evalu-  
21           ate hypersonic technologies.

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

24                   (A) be based on the assessment under sub-  
25                   section (a);

1 (B) address how the Secretary will coordi-  
2 nate with other departments and agencies of  
3 the Federal Government, including the National  
4 Aeronautics and Space Administration, to plan  
5 for and schedule the potential use of other Fed-  
6 eral Government-owned test facilities and  
7 ranges, as available, to evaluate the hypersonic  
8 technologies of the Department of Defense;

9 (C) to the extent practicable, address in  
10 what cases the Secretary can use contractor-  
11 owned, commercial flight and reentry test capa-  
12 bilities to fill any existing testing requirement  
13 gaps to enhance and accelerate flight qualifica-  
14 tion of critical hypersonic technologies of the  
15 Department; and

16 (D) identify—

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

22 (ii) the resources needed to reimburse  
23 other departments and agencies of the  
24 Federal Government for the use of the test  
25 facilities and ranges of those departments

1 or agencies to test the hypersonics tech-  
2 nologies of the Department;

3 (iii) the requirements, approval proc-  
4 esses, and resources needed to enhance, as  
5 appropriate, the testing capabilities and ca-  
6 pacity of other Federal Government-owned  
7 test facilities and flight ranges, in coordi-  
8 nation with the heads of the relevant de-  
9 partments and agencies;

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

15 (v) the environmental conditions, test-  
16 ing sizes, and duration required for flight  
17 qualification of both hypersonic cruise and  
18 hypersonic boost-glide technologies of the  
19 Department.

20 (3) COORDINATION.—The Secretary shall de-  
21 velop the strategy under paragraph (1) in coordina-  
22 tion with the Joint Hypersonic Transition Office, the  
23 Administrator of the National Aeronautics and  
24 Space Administration, the research labs of the mili-

1 tary departments, and the Defense Test Resource  
2 Management Center.

3 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
4 DEFINED.—The term “appropriate congressional commit-  
5 tees” means the following:

6 (1) The congressional defense committees.

7 (2) The Committee on Science, Space, and  
8 Technology of the House of Representatives and the  
9 Committee on Commerce, Science, and Transpor-  
10 tation of the Senate.

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

3   **SEC. 301 [Log 74945]. AUTHORIZATION OF APPROPRIA-**  
4                           **TIONS.**

5           Funds are hereby authorized to be appropriated for  
6   fiscal year 2023 for the use of the Armed Forces and other  
7   activities and agencies of the Department of Defense for  
8   expenses, not otherwise provided for, for operation and  
9   maintenance, as specified in the funding table in section  
10 4301.

1 **SEC. 314 [Log 75259]. PROHIBITION ON PURCHASE BY DE-**  
2 **PARTMENT OF DEFENSE OF FIREFIGHTING**  
3 **EQUIPMENT CONTAINING PER- AND**  
4 **POLYFLUOROALKYL SUBSTANCES.**

5 (a) PROHIBITION ON PROCUREMENT.—Except as  
6 provided in subsection (d), beginning October 1, 2025, the  
7 Secretary of Defense may not enter into any contract for  
8 the purchase of personal protective firefighting equipment  
9 for use by firefighters of the Department of Defense if  
10 such equipment contains a per- or polyfluoroalkyl sub-  
11 stance.

12 (b) IMPLEMENTATION.—The Secretary of Defense  
13 shall include the prohibition under subsection (a) in any  
14 contract for the purchase of personal protective fire-  
15 fighting equipment for use by firefighters of the Depart-  
16 ment of Defense.

17 (c) SAVINGS CLAUSE.—Nothing in this section shall  
18 be construed—

19 (1) to require the Secretary of Defense to test  
20 any piece of covered personal protective firefighting  
21 equipment to confirm the absence of per- and  
22 polyfluoroalkyl substances; or

23 (2) to affect existing inventories of personal  
24 protective firefighting equipment.

25 (d) LACK OF AVAILABILITY.—

1           (1) IN GENERAL.—If the Secretary of Defense  
2 determines that equipment described in paragraph  
3 (2) is not available for purchase by the Department  
4 of Defense, the requirement under subsection (a)  
5 shall not apply until such date as the Secretary de-  
6 termines that such equipment is available for pur-  
7 chase.

8           (2) EQUIPMENT DESCRIBED.—The equipment  
9 described in this section is personal protective fire-  
10 fighting equipment that—

11           (A) does not contain a per- or  
12 polyfluoroalkyl substance;

13           (B) meets every applicable standard for  
14 personal protective firefighting equipment  
15 (other than a standard specifically relating to  
16 per- or polyfluoroalkyl substances); and

17           (C) is at least as protective as current per-  
18 sonal protective firefighting equipment con-  
19 taining a per- or polyfluoroalkyl substance.



1           **Subtitle C—Red Hill Bulk Fuel**  
2                           **Facility**

3   **SEC. 331 [Log 74795]. DEFUELING OF RED HILL BULK FUEL**  
4                           **STORAGE FACILITY.**

5           (a) DEADLINE FOR COMPLETION OF DEFUELING.—

6                   (1) IN GENERAL.—Subject to the certification  
7                   requirement under subsection (e), the Secretary of  
8                   the Navy, in cooperation with the Director of the  
9                   Defense Logistics Agency, shall complete the  
10                  defueling of the Red Hill Bulk Fuel Storage Facility  
11                  by not later than December 31, 2023.

12                  (2) REPORT.—Not later than December 31,  
13                  2022, the Secretary of the Navy shall submit to the  
14                  congressional defense committees, and make publicly  
15                  available on an appropriate website of the Depart-  
16                  ment of Defense, a report on the status of the  
17                  defueling of the Red Hill Bulk Fuel Storage Facil-  
18                  ity.

19           (b) COMPLIANCE WITH APPLICABLE LAWS.—The  
20           Secretary of the Navy, in coordination with the Adminis-  
21           trator of the Environmental Protection Agency and the  
22           State of Hawaii, shall plan for and implement the  
23           defueling of the Red Hill Bulk Fuel Facility in a manner  
24           that complies with all applicable laws.

25           (c) MITIGATION PLAN.—

1           (1) IN GENERAL.—Not later than one year  
2 after the date of the enactment of this Act, the Sec-  
3 retary of the Navy shall make publicly available an  
4 unclassified report containing the plan of the Sec-  
5 retary for actions to be taken to mitigate the im-  
6 pacts caused by releases at the Red Hill Bulk Fuel  
7 Storage Facility, together with cost estimates for  
8 such actions.

9           (2) BRIEFING.—Not later than one year after  
10 the date of the enactment of this Act, the Secretary  
11 of the Navy shall provide to the congressional de-  
12 fense committees a briefing on the actions and cost  
13 estimates included in the plan required under para-  
14 graph (1).

15 (d) OVERSIGHT REQUIREMENTS.—

16           (1) REVIEW.—Not later than 30 days after the  
17 date of the enactment of this Act, the Secretary of  
18 Defense shall seek to enter into an agreement with  
19 an appropriate independent entity under which the  
20 entity agrees to conduct a review of the defueling  
21 process for the Red Hill Bulk Fuel Storage Facility.

22           (2) REPORTING REQUIREMENTS.—An agree-  
23 ment entered into under paragraph (1) shall provide  
24 that the non-Department of Defense entity shall  
25 produce and make publicly available, by not later

1 than 30 days after the completion of the defueling  
2 of the Red Hill Bulk Fuel Storage Facility, an un-  
3 classified report on the defueling process.

4 (e) CERTIFICATION REQUIREMENT.—The Secretary  
5 of the Navy may not begin the process of defueling the  
6 Red Hill Bulk Storage Facility before the date on which  
7 the Secretary of Defense submits to the congressional de-  
8 fense committees certification that such defueling would  
9 not adversely affect the ability of the Department of De-  
10 fense to provide fuel to support military operations in the  
11 area of responsibility of the United States Indo-Pacific  
12 Command.

13 (f) WAIVER.—

14 (1) IN GENERAL.—The Secretary of Defense  
15 may waive the deadline under subsection (a)(1) for  
16 a period of not more than 180 days if the Secretary  
17 submits to the congressional defense committees cer-  
18 tification in writing that—

19 (A) the Red Hill Bulk Fuel Storage Facil-  
20 ity cannot be defueled safely and in an environ-  
21 mentally sound manner before the deadline; or

22 (B) the State of Hawaii Department of  
23 Health objects to the defueling of the Facility.

24 (2) EXTENSIONS.—The Secretary may extend a  
25 waiver issued under paragraph (1) if the Secretary

1 submits to the congressional defense committees an  
2 additional certification described in paragraph (1)  
3 and a justification for the extension of the waiver.

1 **SEC. 332 [Log 75443]. ACTIVITIES PRIOR TO DECOMMIS-**  
2 **SIONING OF RED HILL BULK STORAGE FACIL-**  
3 **ITY.**

4 (a) LIMITATION.—None of the funds authorized to  
5 be appropriated by this Act or otherwise made available  
6 for the Department of Defense for fiscal year 2023 may  
7 be obligated or expended to permanently close the Red Hill  
8 Bulk Fuel Storage Facility until the date that is one year  
9 after the date on which the Secretary of Defense, in con-  
10 sultation with the Commander of United States Indo-Pa-  
11 cific Command, submits to the congressional defense com-  
12 mittees—

13 (1) the report required under subsection (b);

14 and

15 (2) certification that—

16 (A) a fuel capacity that is equivalent to the  
17 capacity provided by the Red Hill Bulk Fuel  
18 Storage Facility has been added to the fuel ca-  
19 pacity of United States Indo-Pacific Command;  
20 and

21 (B) the bulk fuel requirements of United  
22 States Indo-Pacific Command have been fully  
23 programmed for funding in the five fiscal years  
24 following the year in which the certification is  
25 submitted.

26 (b) REPORT REQUIRED.—

1           (1) IN GENERAL.—Not later than one year  
2 after the date of the enactment of this Act, the Sec-  
3 retary of the Defense shall submit to the congres-  
4 sional defense committees a report on the costs asso-  
5 ciated with replacing the Red Hill Bulk Fuel Stor-  
6 age Facility.

7           (2) ELEMENTS.—The report required by para-  
8 graph (1) shall include each of the following:

9           (A) Detailed plans for how the Department  
10 of Defense will replicate the aggregate bulk fuel  
11 storage capacity of the Red Hill Bulk Fuel  
12 Storage Facility throughout the Indo-Pacific re-  
13 gion, including on United States territories and  
14 possessions, as appropriate, in both steady state  
15 and in a major conflict lasting not less than  
16 180 days, including through the use of—

17                   (i) fleet oilers;  
18                   (ii) fuel bladders;  
19                   (iii) above ground storage facilities;  
20           and  
21                   (iv) hardened storage facilities.

22           (B) An identification of—

23                   (i) any additional costs to the Depart-  
24                   ment of acquiring or building the assets  
25                   planned to replicate such fuel storage ca-

1           capacity and of obtaining any required envi-  
2           ronmental approvals to operate such as-  
3           sets; and

4                   (ii) the timelines associated with ac-  
5           quiring or building such assets and obtain-  
6           ing such approvals.

7           (C) An analysis of the relative surviv-  
8           ability, reliability, risks, and any advantages as-  
9           sociated with the assets planned to replicate  
10          such fuel storage capacity, including any  
11          changes necessary for the operational plans of  
12          the Department compared to such operational  
13          plans as in effect when the Red Hill Bulk Fuel  
14          Storage Facility was operational.

15          (D) An identification of the cost to the De-  
16          partment of maintaining the Red Hill Bulk  
17          Fuel Storage Facility in an empty but rapidly  
18          reconstitutable state.

19          (E) Any other matters the Secretary of the  
20          Defense considers relevant.

21          (c) RULE OF CONSTRUCTION.—Nothing in this sec-  
22          tion shall be construed to affect the authority of the Sec-  
23          retary of Defense or the Secretary of the Navy to conduct  
24          any of the following at Red Hill Bulk Fuel Storage Facil-  
25          ity:

- 1 (1) Defueling activities.
- 2 (2) Remedial investigations.
- 3 (3) Site or safety inspections.
- 4 (4) Feasibility studies.
- 5 (5) Safety related repairs.
- 6 (6) Monitoring.
- 7 (7) Transferring of fuel.
- 8 (8) Maintenance and sustainment activities.



1 **SEC. 333 [Log 74796]. PLACEMENT OF SENTINEL OR MONI-**  
2 **TORING WELLS IN PROXIMITY TO RED HILL**  
3 **BULK FUEL FACILITY.**

4 (a) IN GENERAL.—Not later than April 1, 2023, the  
5 Secretary of Defense, in coordination with the Director of  
6 the United States Geological Survey and the Adminis-  
7 trator of the Environmental Protection Agency, shall sub-  
8 mit to the congressional defense committees a report on  
9 the placement of sentinel or monitoring wells in proximity  
10 to the Red Hill Bulk Fuel Facility for the purpose of mon-  
11 itoring and tracking the movement of fuel that has es-  
12 caped the Facility. Such report shall include—

13 (1) the number and location of new wells that  
14 have been established during the 12-month period  
15 preceding the date of the submittal of the report;

16 (2) an identification of the wells proposed to be  
17 established by the aquifer recovery working group;

18 (3) an analysis of the need for any wells not  
19 recommended by the aquifer recovery working group;

20 (4) the proposed number and location of any  
21 such additional wells; and

22 (5) the priority level of each proposed well  
23 based on—

24 (A) the optimal locations for new wells;

25 and

1 (B) the capability of a proposed well to as-  
2 sist in monitoring and tracking the movement  
3 of fuel toward the Halawa shaft, the Halawa  
4 Well, and the Aiea Well.

5 (b) QUARTERLY BRIEFINGS.—Not later than 30 days  
6 after the submittal of the report under subsection (a), and  
7 every 90 days thereafter for 12 months, the Secretary of  
8 Defense shall provide to the congressional defense commit-  
9 tees a briefing on the progress of the Department toward  
10 installing the wells described in paragraphs (2) and (3)  
11 of subsection (a).

1 **SEC. 334 [Log 74799]. REPORT ON DEPARTMENT OF DE-**  
2 **FENSE EFFORTS TO TRACK HEALTH IMPLICA-**  
3 **TIONS OF FUEL LEAKS AT RED HILL BULK**  
4 **FUEL FACILITY.**

5 (a) IN GENERAL.—Not later than 90 days after the  
6 date of the enactment of this Act, the Secretary of De-  
7 fense, in consultation with the Director of the Centers for  
8 Disease Control and Prevention and the Administrator of  
9 the Environmental Protection Agency, shall submit to the  
10 appropriate congressional committees a report on the ef-  
11 forts of the Secretary to appropriately track the health  
12 implications of fuel leaks from the Red Hill Bulk Fuel Fa-  
13 cility for members of the Armed Forces and their depend-  
14 ents, including members and dependents from each Armed  
15 Force, including the Coast Guard. The report shall include  
16 each of the following:

17 (1) A plan to coordinate with the Centers for  
18 Disease Control and Prevention to align with the en-  
19 vironmental health assessment and monitoring ef-  
20 forts of the Centers.

21 (2) A description of any potential benefits of co-  
22 ordinating and sharing data with the State of Ha-  
23 waii Department of Health.

24 (3) An analysis of the extent to which data  
25 from the State of Hawaii Department of Health and  
26 data from other non-Department of Defense sources

1 can and should be used in any long-term health  
2 study relating to fuel leaks from the Red Hill Bulk  
3 Fuel Facility.

4 (4) A description of the potential health impli-  
5 cations of contaminants, including fuel, found in the  
6 drinking water distribution system at the Red Hill  
7 Bulk Fuel Facility during testing after the fuel leaks  
8 that occurred in May and November 2021.

9 (5) A description of any contaminants, includ-  
10 ing fuel, detected in the water during the 12-month  
11 period preceding the fuel leak that occurred in No-  
12 vember 2021.

13 (6) A description of any potential benefits of  
14 broadening the tracing window to include indications  
15 of contaminants, including fuel, in the drinking  
16 water supply at the Red Hill Bulk Fuel Facility be-  
17 fore May 2021.

18 (b) APPROPRIATE CONGRESSIONAL COMMITTEES.—  
19 In this section, the term “appropriate congressional com-  
20 mittees” means—

21 (1) the congressional defense committees;

22 (2) the Committee on Energy and Commerce of  
23 the House of Representatives; and

24 (3) the Committee on Energy and Natural Re-  
25 sources of the Senate.

1 **SEC. 335 [Log 74798]. STUDIES RELATING TO WATER NEEDS**  
2 **OF THE ARMED FORCES ON OAHU.**

3 (a) STUDY ON FUTURE WATER NEEDS OF OAHU.—

4 (1) IN GENERAL.—Not later than July 31,  
5 2023, the Secretary of the Defense shall conduct a  
6 study on how the Department of Defense can best  
7 address the future water needs on the island of  
8 Oahu for the Armed Forces. Such study shall in-  
9 clude consideration of—

10 (A) the construction of a new water treat-  
11 ment plant or plants;

12 (B) the construction of a new well for use  
13 by members of the Armed Forces and the civil-  
14 ian population;

15 (C) the construction of a new well for the  
16 exclusive use of members of the Armed Forces;

17 (D) privatizing existing Department of De-  
18 fense utilities;

19 (E) conveying the Navy utilities to the  
20 Honolulu Board of Water Supply, with consid-  
21 eration; and

22 (F) any other water solutions the Sec-  
23 retary determines appropriate.

24 (2) COORDINATION.—In carrying out the study  
25 under paragraph (1), the Secretary shall coordinate  
26 with the State of Hawaii, the Honolulu Board of

1 Water Supply, the Secretary of the Department in  
2 which the Coast Guard is operating, the Adminis-  
3 trator of the Environmental Protection Agency, and  
4 any other individual or entity the Secretary deter-  
5 mines appropriate.

6 (b) HYDROLOGICAL STUDY.—

7 (1) IN GENERAL.—Not later than July 31,  
8 2023, the Secretary of Defense shall enter into an  
9 agreement with the Administrator of the Environ-  
10 mental Protection Agency and the Director of the  
11 United States Geological Survey, in consultation  
12 with the State of Hawaii, to perform a study to  
13 model the groundwater flow in the area surrounding  
14 the Red Hill Bulk Fuel Storage Facility. The model  
15 shall be designed to—

16 (A) seek to improve the understanding of  
17 the direction and rate of groundwater flow and  
18 dissolved constituent migration within the  
19 aquifers around the facility;

20 (B) reflect site specific data, including  
21 available data of the heterogeneous subsurface  
22 geologic system; and

23 (C) address any previously identified defi-  
24 ciencies in existing groundwater flow models.

1           (2) DEADLINE FOR COMPLETION.—The study  
2           under paragraph (1) shall be completed by not later  
3           than one year after the date of the enactment of this  
4           Act.

5           (c) REPORT; BRIEFING.—

6           (1) IN GENERAL.—Upon completion of the  
7           studies under subsections (a) and (b), the Secretary  
8           shall—

9                   (A) submit to the appropriate congress-  
10                   sional committees a report on the findings of  
11                   the studies; and

12                   (B) provide to such committees a briefing  
13                   on such findings.

14           (2) APPROPRIATE CONGRESSIONAL COMMIT-  
15           TEES.—In this subsection, the term “appropriate  
16           congressional committees” means—

17                   (A) the congressional defense committees;

18                   (B) the Committee on Transportation and  
19                   Infrastructure and the Committee on Energy  
20                   and Commerce of the House of Representatives;  
21                   and

22                   (C) the Committee on Commerce, Science,  
23                   and Transportation and the Committee on En-  
24                   vironment and Public Works of the Senate.

1 **SEC. 336 [Log 74797]. STUDY ON ALTERNATIVE USES FOR**  
2 **RED HILL BULK FUEL FACILITY.**

3 (a) STUDY REQUIRED.—

4 (1) IN GENERAL.—Not later than 30 days after  
5 the date of the enactment of this Act, the Secretary  
6 of Defense shall seek to enter into an agreement  
7 with a federally funded research and development  
8 center that meets the criteria specified in paragraph  
9 (2) under which such center will conduct a study to  
10 determine the range of feasible alternative Depart-  
11 ment of Defense uses for the Red Hill Bulk Fuel  
12 Facility and provide to the Secretary a report on the  
13 findings of the study. The conduct of such study  
14 shall include—

15 (A) engagement with stakeholders;

16 (B) a review of historical alternative uses  
17 of facilities with similar characteristics; and

18 (C) such other modalities as determined  
19 necessary to appropriately identify alternative  
20 use options, including data and information col-  
21 lected from various stakeholders and through  
22 site visits to physically inspect the facility.

23 (2) CRITERIA FOR FFRDC.—The federally fund-  
24 ed research and development center with which the  
25 Secretary seeks to enter into an agreement under  
26 paragraph (1) shall meet the following criteria:



1 (A) A primary focus on studies and anal-  
2 ysis.

3 (B) A record of conducting research and  
4 analysis using a multidisciplinary approach.

5 (C) Demonstrated specific competencies  
6 in—

7 (i) life cycle cost-benefit analysis;

8 (ii) military facilities and how such fa-  
9 cilities support missions; and

10 (iii) the measurement of environ-  
11 mental impacts.

12 (D) A strong reputation for publishing  
13 publicly releasable analysis to inform public de-  
14 bate.

15 (b) COST-BENEFIT ANALYSIS.—An agreement en-  
16 tered into pursuant to subsection (a) shall specify that the  
17 study conducted under the agreement will include a cost-  
18 benefit analysis of the feasible Department of Defense al-  
19 ternative uses considered under the study. Such cost-ben-  
20 efit analysis shall cover each of the following for each such  
21 alternative use:

22 (1) The design and construction costs.

23 (2) Life-cycle costs, including the operation and  
24 maintenance costs of operating the facility, such as  
25 annual operating costs, predicted maintenance costs,

1 and any disposal costs at the end of the useful life  
2 of the facility.

3 (3) Any potential military benefits.

4 (4) Any potential benefits for the local econ-  
5 omy, including any potential employment opportuni-  
6 ties for members of the community.

7 (5) A determination of environmental impact  
8 analysis requirements.

9 (6) The effects of the use on future mitigation  
10 efforts.

11 (7) Any additional factors determined to be rel-  
12 evant by the federally funded research and develop-  
13 ment center in consultation with the Secretary.

14 (c) DEADLINE FOR COMPLETION.—An agreement en-  
15 tered into pursuant to subsection (a) shall specify that the  
16 study conducted under the agreement shall be completed  
17 by not later than February 1, 2024.

18 (d) BRIEFING.—Upon completion of a study con-  
19 ducted under an agreement entered into pursuant to sub-  
20 section (a), the Secretary shall provide to the Committees  
21 on Armed Services of the Senate and House of Represent-  
22 atives a briefing on the findings of the study.

23 (e) PUBLIC AVAILABILITY.—

24 (1) FFRDC.—An agreement entered into pur-  
25 suant to subsection (a) shall specify that the feder-

1       ally funded research and development center shall  
2       make an unclassified version of the report provided  
3       to the Secretary publicly available on an appropriate  
4       website of the center.

5               (2) DEPARTMENT OF DEFENSE.—Upon receipt  
6       of such report, the Secretary shall make an unclassi-  
7       fied version of the report publicly available on an ap-  
8       propriate website of the Department of Defense.

1 **SEC. 342 [Log 75176]. INDEPENDENT STUDY RELATING TO**  
2 **FUEL DISTRIBUTION LOGISTICS ACROSS**  
3 **UNITED STATES INDO-PACIFIC COMMAND.**

4 (a) STUDY.—Not later than the 30 days after the  
5 date of the enactment of this Act, the Secretary of Defense  
6 shall seek to enter into a contract with a federally funded  
7 research and development center to conduct a study on  
8 fuel distribution logistics in the area of responsibility of  
9 the United States Indo-Pacific Command.

10 (b) CRITERIA FOR FFRDC.—The federally funded  
11 research and development center with which the Secretary  
12 seeks to enter into an contract under subsection (a) shall  
13 meet the following criteria, as determined by the Sec-  
14 retary:

15 (1) A primary focus on the conduct of studies  
16 and analysis.

17 (2) A demonstrated record of conducting re-  
18 search and analysis using a multidisciplinary ap-  
19 proach.

20 (3) A strong reputation for publishing publicly  
21 releasable analysis to inform public debate.

22 (c) ELEMENTS.—The study conducted pursuant to  
23 subsection (a) shall include, with respect to the area of  
24 responsibility of the United States Indo-Pacific Command,  
25 the following:

1           (1) An evaluation of the vulnerabilities associ-  
2           ated with the production, refinement, and distribu-  
3           tion of fuel by the Armed Forces during periods of  
4           conflict and in contested logistics environments with-  
5           in the area, including with respect to the capability  
6           of the Armed Forces to sustain operational flights  
7           by aircraft and joint force distributed operations.

8           (2) An assessment of potential adversary capa-  
9           bilities to disrupt such fuel distribution in the area  
10          through a variety of means, including financial  
11          means, cyber means, and conventional kinetic at-  
12          tacks.

13          (3) An assessment of any gaps in the capability  
14          or capacity of inter- or intra-theater fuel distribu-  
15          tion, including any gaps relating to storage, transfer  
16          platforms, manning for platforms, command and  
17          control, or fuel handling.

18          (4) An evaluation of the positioning of defense  
19          fuel support points in the area, including with re-  
20          spect to operational suitability and vulnerability to a  
21          variety of kinetic threats.

22          (5) An assessment of the readiness of allies and  
23          partners of the United States to support the supply,  
24          storage, and distribution of fuel by the Armed  
25          Forces in the area, including a review of any rel-

1        evant security cooperation agreements entered into  
2        between the United States and such allies and part-  
3        ners.

4            (6) An assessment of potential actions to miti-  
5        gate any vulnerabilities identified pursuant to the  
6        study.

7        (d) REPORT.—

8            (1) SUBMISSION TO SECRETARY OF DE-  
9        FENSE.—

10            (A) IN GENERAL.—The Secretary of De-  
11        fense shall require, as a term of any contract  
12        entered into with a federally funded research  
13        and development center to conduct a study pur-  
14        suant to subsection (a), that not later than one  
15        year after the date of entering into such con-  
16        tract, the federally funded research and devel-  
17        opment center shall submit to the Secretary a  
18        report containing the findings of the study.

19            (B) FORM.—The report under subpara-  
20        graph (A) shall be submitted in an unclassified  
21        and publicly releasable form, but may contain a  
22        classified annex.

23            (2) SUBMISSION TO CONGRESS.—Not later than  
24        30 days after the date on which the Secretary of De-  
25        fense receives the report under paragraph (1), the

1 Secretary shall submit to the appropriate congress-  
2 sional committees a copy of such report, submitted  
3 without change.

4 (e) DEFINITIONS.—In this section:

5 (1) The term “appropriate congressional com-  
6 mittees” means—

7 (A) the congressional defense committees;

8 (B) the Committee on Transportation and  
9 Infrastructure of the House of Representatives;  
10 and

11 (C) the Committee on Commerce, Science,  
12 and Transportation of the Senate.

13 (2) The term “contested logistics environment”  
14 has the meaning given that term in section 2926 of  
15 title 10, United States Code.

1 **SEC. 352 [Log 75508]. EXTENSION OF AUTHORIZATION OF**  
2 **DEPOT WORKING CAPITAL FUNDS FOR UN-**  
3 **SPECIFIED MINOR MILITARY CONSTRUC-**  
4 **TION.**

5 Section 2208(u)(4) of title 10, United States Code,  
6 is amended by striking “2023” and inserting “2025”.



1 **SEC. 362 [Log 75014]. QUARTERLY REPORTS ON EXPENDI-**  
2 **TURES FOR ESTABLISHMENT OF FUEL DIS-**  
3 **TRIBUTION POINTS IN INDOPACOM AREA OF**  
4 **RESPONSIBILITY.**

5 (a) QUARTERLY REPORTS REQUIRED.—The Com-  
6 mander of United States Indo-Pacific Command shall sub-  
7 mit to the congressional defense committees quarterly re-  
8 ports on the use of the funds described in subsection (c)  
9 until the date on which all such funds are expended.

10 (b) CONTENTS OF REPORT.—Each report required  
11 under subsection (a) shall include an expenditure plan for  
12 the establishment of fuel distribution points in the area  
13 of responsibility of United States Indo-Pacific Command  
14 relating to the defueling and closure of the Red Hill Bulk  
15 Fuel Storage Facility.

16 (c) FUNDS DESCRIBED.—The funds described in this  
17 subsection are the amounts authorized to be appropriated  
18 or otherwise made available for fiscal year 2023 for Mili-  
19 tary Construction, Defense-wide for Planning and Design  
20 for United States Indo-Pacific Command.

1                   **Subtitle G—Other Matters**

2   **SEC. 371 [Log 75119]. ACCOUNTABILITY FOR MILITARY**  
3                   **WORKING DOGS.**

4           (a) IN GENERAL.—Chapter 50 of title 10, United  
5 States Code, is amended by adding at the end the fol-  
6 lowing new section (and conforming the table of sections  
7 at the beginning of such chapter accordingly):

8   **“§ 995. Accountability for military working dogs**

9           “(a) ANNUAL REPORTING REQUIREMENT FOR CON-  
10 TRACTORS.—

11           “(1) REQUIREMENT.—The Secretary of De-  
12 fense shall require that each covered contractor sub-  
13 mit to the Under Secretary of Defense (Comp-  
14 troller), on an annual basis for the contract period,  
15 a report containing an identification of—

16           “(A) the number of military working dogs  
17 that are in the possession of the covered con-  
18 tractor and located outside of the continental  
19 United States in support of a military oper-  
20 ation, if any; and

21           “(B) the primary location of any such mili-  
22 tary working dogs.

23           “(2) GUIDANCE.—The Under Secretary of De-  
24 fense (Comptroller) shall issue guidance on the an-

1 annual reporting requirement under paragraph (1) for  
2 purposes of carrying out this section.

3 “(b) ANNUAL REPORT TO CONGRESS.—Not later  
4 than March 1, 2023, and on an annual basis thereafter,  
5 the Secretary of Defense shall submit to the congressional  
6 defense a committees a report on the implementation of  
7 this section.

8 “(c) COVERED CONTRACTOR DEFINED.—The term  
9 ‘covered contractor’ means a contractor of the Department  
10 of Defense the contract of which the Secretary determines  
11 involves military working dogs.”.

12 (b) APPLICABILITY.—The amendments made by sub-  
13 section (a) shall apply with respect to contracts entered  
14 into on or after the date of the enactment of this Act.

15 (c) DEADLINE FOR GUIDANCE.—Not later than 180  
16 days after the date of the enactment of this Act, the Under  
17 Secretary of Defense (Comptroller) shall issue the guid-  
18 ance specified in section 995(a)(2) of title 10, United  
19 States Code, as added by subsection (a).

20 (d) REGULATIONS TO PROHIBIT ABANDONMENT.—  
21 Not later than 2 years after the date of the enactment  
22 of this Act, the Secretary of Defense shall issue regula-  
23 tions to prohibit the abandonment of military working  
24 dogs used in support of a military operation outside of  
25 the continental United States.

1           **Subtitle C—Authorization of**  
2                           **Appropriations**

3   **SEC. 421 [log74824]. MILITARY PERSONNEL.**

4           (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
5 are hereby authorized to be appropriated for fiscal year  
6 2023 for the use of the Armed Forces and other activities  
7 and agencies of the Department of Defense for expenses,  
8 not otherwise provided for, for military personnel, as spec-  
9 ified in the funding table in section 4401.

10          (b) CONSTRUCTION OF AUTHORIZATION.—The au-  
11 thorization of appropriations in the subsection (a) super-  
12 sedes any other authorization of appropriations (definite  
13 or indefinite) for such purpose for fiscal year 2023.

1 **SEC. 543 [log75037]. ESTABLISHMENT OF CONSORTIUM FOR**  
2 **CURRICULA IN MILITARY EDUCATION.**

3 (a) ESTABLISHMENT.—Not later than one year after  
4 the date of the enactment of this Act, the Secretary of  
5 Defense, in coordination with the Chairman of the Joint  
6 Chiefs of Staff, and in coordination with the Under Sec-  
7 retary of Defense for Personnel and Readiness, shall es-  
8 tablish a consortium of the institutions of military edu-  
9 cation and covered entities.

10 (b) ACTIVITIES.—The duties of the consortium shall  
11 be to conduct research and develop common, research-  
12 based curricula for the institutions of military education  
13 in order to improve military education for students of the  
14 consortium members.

15 (c) CURRICULA.—

16 (1) IN GENERAL.—Curricula developed by the  
17 consortium shall—

18 (A) be more responsive to new opportuni-  
19 ties and challenges in an era of great power  
20 competition, and in which security requires  
21 knowledge of economics, new technologies, sup-  
22 ply chains, and adversarial governments;

23 (B) creatively apply military power to in-  
24 form national strategy, conduct globally inte-  
25 grated operations, and fight under conditions of  
26 disruptive change; and

1 (C) include non-military topics, such as di-  
2 plomacy, economics, information, intelligence,  
3 and culture.

4 (2) APPLIED DESIGN CENTER FOR INNOVATION  
5 OF THE NAVAL POSTGRADUATE SCHOOL.—The Sec-  
6 retary may make permanent the curriculum of the  
7 Applied Design Center for Innovation of the Naval  
8 Postgraduate School.

9 (d) DIRECTOR.—The Director of the consortium shall  
10 be the President of National Defense University.

11 (e) MEETINGS.—The consortium shall meet at the  
12 call of the Director, in accordance with the following:

13 (1) The consortium and the Chiefs of the  
14 Armed Forces shall meet not less than once annually  
15 to establish or revise curricula.

16 (2) The consortium shall meet not less than  
17 twice annually to establish a plan of action and mile-  
18 stones to prepare curricula.

19 (f) REPORTS.—

20 (1) INTERIM REPORT.—Not later than 180  
21 days after the date of the enactment of this Act, the  
22 Secretary shall submit to the Committees on Armed  
23 Services of the Senate and House of Representative  
24 an interim report on the organization, activities,  
25 funding, actions and milestones of the consortium.

1           (2) ANNUAL REPORT.—Not later than Sep-  
2           tember 30 of each year, beginning in 2024 and end-  
3           ing in 2028, the Secretary shall submit to the Com-  
4           mittees on Armed Services of the Senate and House  
5           of Representative a report describing the activities,  
6           funding, curricula created, and research conducted  
7           by the consortium during the preceding year.

8           (g) TERMINATION.—The consortium shall terminate  
9           on September 30, 2028.

10          (h) DEFINITIONS.—In this section:

11           (1) The term “institutions of military edu-  
12           cation” means—

13                   (A) the professional military education  
14                   schools;

15                   (B) the senior level service schools;

16                   (C) the intermediate level service schools;

17                   (D) the joint intermediate level service  
18                   school;

19                   (E) the Naval Postgraduate School; and

20                   (F) the military service academies.

21           (2) The term “covered entity” means—

22                   (A) an institution of higher education that  
23                   the Secretary determines has an established  
24                   program of education regarding national secu-

1           rity or technology relevant to the Department  
2           of Defense; or

3           (B) an entity that the Secretary deter-  
4           mines conducts research in policy relevant to  
5           the Department of Defense.

6           (3) The term “institution of higher education”  
7           has the meaning given that term in section 101 of  
8           the Higher Education Act of 1965 (Public Law 89–  
9           329; 20 U.S.C. 1001).

10          (4) The terms “intermediate level service  
11          school”, “joint intermediate level service school”,  
12          and “senior level service school” have the meaning  
13          given such terms in section 2151 of title 10, United  
14          States Code.

15          (5) The term “military service academy” means  
16          the following:

17                 (A) The United States Military Academy.

18                 (B) The United States Naval Academy.

19                 (C) The United States Air Force Academy.

20          (6) The term “professional military education  
21          schools” means the schools specified in section 2162  
22          of title 10, United States Code.



1 **SEC. 544 [log75392]. ESTABLISHMENT OF CONSORTIUM OF**  
2 **INSTITUTIONS OF MILITARY EDUCATION FOR**  
3 **CYBERSECURITY MATTERS.**

4 (a) ESTABLISHMENT.—Not later than one year after  
5 the date of the enactment of this Act, the Secretary of  
6 Defense, in coordination with the Chairman of the Joint  
7 Chiefs of Staff and the Under Secretary of Defense for  
8 Personnel and Readiness, shall establish a consortium of  
9 the institutions of military education and covered entities.

10 (b) FUNCTIONS.—The functions of the consortium  
11 include the following:

12 (1) To provide a forum for members of the con-  
13 sortium to share information regarding matters of  
14 education on cybersecurity, including—

15 (A) education of cyber mission forces;

16 (B) lessons learned;

17 (C) the intersection of cybersecurity across  
18 all warfighting domains; and

19 (D) other matters of cybersecurity related  
20 to national security.

21 (2) To develop a cybersecurity research agenda  
22 to—

23 (A) identify gaps in cybersecurity of the  
24 Department of Defense; and

1           (B) study offensive threats, defensive  
2           threats, and active deterrence in the cyber do-  
3           main.

4           (3) To provide the Secretary, the consortium  
5           members, and other entities determined appropriate  
6           by the Secretary, access to the expertise of the mem-  
7           bers of the consortium on matters relating to cyber-  
8           security.

9           (4) To align the efforts of the members of the  
10          consortium to support cybersecurity of the Depart-  
11          ment of Defense.

12          (c) DIRECTOR.—The Director of the consortium shall  
13          be the President of National Defense University. The Di-  
14          rector shall consult and coordinate with representatives of  
15          the institutions of military education and covered entities.

16          (d) MEETINGS.—The consortium shall meet at the  
17          call of the Director, including—

18               (1) not less than once annually with the Chiefs  
19               of the Armed Forces; and

20               (2) not less than once annually to conduct cyber  
21               space war games wherein members of the consor-  
22               tium compete.

23          (e) COORDINATION WITH OTHER ENTITIES.—The  
24          Consortium shall, to the maximum extent practicable, co-  
25          ordinate on matters of mutual interest and align its efforts

1 with the consortium established under section 1659 of the  
2 National Defense Authorization Act for Fiscal Year 2020  
3 (Public Law 116–92; 10 U.S.C. 391 note).

4 (f) REPORTS.—

5 (1) INTERIM REPORT.—Not later than 180  
6 days after the date of the enactment of this Act, the  
7 Secretary shall submit to the Committees on Armed  
8 Services of the Senate and House of Representative  
9 an interim report on the organization, activities,  
10 funding, actions and milestones of the consortium.

11 (2) ANNUAL REPORT.—Not later than Sep-  
12 tember 30 of each year, beginning in 2024 and end-  
13 ing in 2028, the Secretary shall submit to the Com-  
14 mittees on Armed Services of the Senate and House  
15 of Representative a report describing the activities,  
16 funding, research conducted by the consortium, and  
17 other matters determined by the Secretary, during  
18 the preceding year.

19 (g) TERMINATION.—The consortium shall terminate  
20 on September 30, 2028.

21 (h) DEFINITIONS.—In this section:

22 (1) The term “institutions of military edu-  
23 cation” means—

24 (A) the professional military education  
25 schools;

- 1 (B) the senior level service schools;  
2 (C) the intermediate level service schools;  
3 (D) the joint intermediate level service  
4 school;  
5 (E) the Naval Postgraduate School; and  
6 (F) the military service academies.

7 (2) The term “covered entity” means—

8 (A) an institution of higher education that  
9 the Secretary determines has an established  
10 program of education regarding cybersecurity  
11 or technology relevant to the Department of  
12 Defense; or

13 (B) an entity that the Secretary deter-  
14 mines conducts research in cybersecurity rel-  
15 evant to the Department of Defense.

16 (3) The term “institution of higher education”  
17 has the meaning given that term in section 101 of  
18 the Higher Education Act of 1965 (Public Law 89–  
19 329; 20 U.S.C. 1001).

20 (4) The terms “intermediate level service  
21 school”, “joint intermediate level service school”,  
22 and “senior level service school” have the meaning  
23 given such terms in section 2151 of title 10, United  
24 States Code.

1           (5) The term “military service academy” means  
2           the following:

3                   (A) The United States Military Academy.

4                   (B) The United States Naval Academy.

5                   (C) The United States Air Force Academy.

6           (6) The term “professional military education  
7           schools” means the schools specified in section 2162  
8           of title 10, United States Code.

1 **SEC. 724 [Log 75558]. IMPROVEMENT TO WOUNDED WAR-**  
2 **RIOR SERVICE DOG PROGRAM.**

3 Section 745 of the William M. (Mac) Thornberry Na-  
4 tional Defense Authorization Act for Fiscal Year 2021  
5 (134 Stat. 3710; Public Law 10 U.S.C. 1071 note) is  
6 amended—

7 (1) by redesignating subsection (b) as sub-  
8 section (c); and

9 (2) by inserting after subsection (a) the fol-  
10 lowing new subsection:

11 “(b) GRANTS.—

12 “(1) IN GENERAL.—In carrying out the Wound-  
13 ed Warrior Service Dog Program, the Secretary of  
14 Defense may award grants to nonprofit organiza-  
15 tions to provide assistance dogs under such program.

16 “(2) APPLICATIONS.—An applicant for a grant  
17 under paragraph (1) shall submit an application at  
18 such time, in such manner, and containing such in-  
19 formation as the Secretary determines.

20 “(3) SELECTION.—The Secretary shall select  
21 nonprofit organizations that submit applications for  
22 the award of grants under the Wounded Warrior  
23 Service Dog Program using a competitive process.

24 “(4) CONSIDERATIONS FOR GRANT AMOUNT.—  
25 In determining the amount of a grant to award to

1 a nonprofit organization selected under paragraph  
2 (3), the Secretary shall consider the following:

3 “(A) The merits of the application sub-  
4 mitted by the nonprofit organization.

5 “(B) Whether, and to what extent, there is  
6 demand by covered members or covered vet-  
7 erans for assistance dogs provided by the non-  
8 profit organization.

9 “(C) The capacity and capability of the  
10 nonprofit organization to raise and train assist-  
11 ance dogs to meet such demand.

12 “(D) Such other factors as the Secretary  
13 may determine appropriate.

14 “(5) LIMITATION ON GRANT AMOUNTS.—The  
15 amount of a grant awarded to a nonprofit organiza-  
16 tion selected under paragraph (3) may not exceed  
17 \$2,000,000.”.

1 **SEC. 729 [Log 75562]. STANDARDIZATION ACROSS DEPART-**  
2 **MENT OF DEFENSE OF POLICIES RELATING**  
3 **TO SERVICE BY INDIVIDUALS DIAGNOSED**  
4 **WITH HBV.**

5 (a) IN GENERAL.—The Secretary of Defense, in co-  
6 ordination with the Secretaries concerned, shall—

7 (1) review regulations, establish policies, and  
8 issue guidance relating to service by individuals di-  
9 agnosed with HBV, consistent with the health care  
10 standards and clinical guidelines of the Department  
11 of Defense; and

12 (2) identify areas where regulations, policies,  
13 and guidance of the Department relating to individ-  
14 uals diagnosed with HBV (including with respect to  
15 enlistments, assignments, deployments, and reten-  
16 tion standards) may be standardized across the  
17 Armed Forces.

18 (b) AWARENESS, EDUCATION, AND TRAINING.—

19 (1) REVIEWS AND RECOMMENDATIONS.—The  
20 Secretary of Defense shall—

21 (A) conduct a review of the education,  
22 training, and resources furnished to members of  
23 the Armed Forces regarding the regulations  
24 and policies of the Department of Defense that  
25 govern the screening, documentation, treatment,  
26 management, and practice standards for indi-



1           viduals diagnosed with HBV, including a review  
2           of the awareness and understanding of such  
3           policies within clinical settings;

4           (B) conduct a review of the resources and  
5           support services furnished to members of the  
6           Armed Forces diagnosed with HBV, including  
7           any resources containing information on—

8                   (i) the health care options of the  
9                   member; or

10                   (ii) regulations or policies of the De-  
11                   partment relating to such diagnosed mem-  
12                   bers; and

13           (C) identify recommendations, based on  
14           the findings of the reviews conducted under  
15           subsections (A) and (B), to improve the aware-  
16           ness and understanding of regulations and poli-  
17           cies of the Department for individuals diag-  
18           nosed with HBV.

19           (2) PROVISION OF EDUCATION, TRAINING, RE-  
20           SOURCES, AND SUPPORT.—The Secretary of De-  
21           fense, taking into account the recommendations  
22           under paragraph (1)(C), shall provide to members of  
23           the Armed Forces—

24                   (A) education, training, and resources to  
25                   increase awareness and understanding of the

1 regulations and policies of the Department of  
2 Defense that govern the screening, documenta-  
3 tion, treatment, management, and practice  
4 standards for individuals diagnosed with HBV,  
5 including in health care settings; and

6 (B) in the case of members of the Armed  
7 Forces diagnosed with HBV, education, re-  
8 sources, and support services regarding the reg-  
9 ulations and policies of the Department relating  
10 to such diagnosed members, including with re-  
11 spect to enlistments, assignments, deployments,  
12 retention standards, and health care services  
13 available to such members.

14 (c) DEFINITIONS.—In this section:

15 (1) The term “HBV” means the Hepatitis B  
16 Virus.

17 (2) The term “Secretary concerned” has the  
18 meaning given that term in section 101 of title 10,  
19 United States Code.

1 **Subtitle A—Acquisition Policy and**  
2 **Management**

3 **SEC. 801. [Log 75040]. WRITING AWARD TO ENCOURAGE CU-**  
4 **RIOSITY AND PERSISTENCE IN OVERCOMING**  
5 **OBSTACLES IN ACQUISITION.**

6 (a) IN GENERAL.—Chapter 87 of title 10, United  
7 States Code, is amended by inserting after section 1742  
8 the following new section:

9 **“§ 1743. Writing award to encourage curiosity and**  
10 **persistence in overcoming obstacles in**  
11 **the defense acquisition system**

12 “(a) ESTABLISHMENT.—The President of the De-  
13 fense Acquisition University shall establish an award to  
14 recognize members of the acquisition workforce who use  
15 an iterative writing process to document a first-hand ac-  
16 count of using independent judgment to overcome an ob-  
17 stacle the member faced while working within the defense  
18 acquisition system (as defined in section 3001 of this  
19 title).

20 “(b) SUBMISSION REQUIRED.—A member of the ac-  
21 quisition workforce desiring an award under this section  
22 shall submit to the President such first-hand account.

23 “(c) AMOUNT OF AWARD.—A recipient of an award  
24 under this section shall receive \$10,000.

1       “(d) NUMBER OF AWARDS.—The President of the  
2 Defense Acquisition University may make not more than  
3 five awards each year.

4       “(e) WEBPAGE.—The President of the Defense Ac-  
5 quisition University shall establish and maintain a  
6 webpage to serve as a repository for submissions made  
7 under subsection (b). Such webpage shall allow for public  
8 comments and discussion.

9       “(f) CONTENTS OF SUBMISSION.—The recipient of  
10 an award under this section shall demonstrate in the sub-  
11 mission described under subsection (b)—

12           “(1) an original and engaging idea documenting  
13 the use of independent judgment to overcome an ob-  
14 stacle the recipient faced while working within the  
15 defense acquisition system; and

16           “(2) the use of an iterative writing process, in-  
17 cluding evidence of—

18                   “(A) critical thinking;

19                   “(B) incorporation of feedback from di-  
20 verse perspectives; and

21                   “(C) editing to achieve plain writing (as  
22 defined in section 3 of the Plain Writing Act of  
23 2010 (5 U.S.C. 301 note)).

1           “(g) FUNDING.—The Secretary of Defense shall use  
2 funds from the Defense Acquisition Workforce Develop-  
3 ment Account to carry out this section.”.

4           (b) CLERICAL AMENDMENT.—The table of sections  
5 at the beginning of such chapter is amended by inserting  
6 after section 1742 the following new item:

“1743. Writing award to encourage curiosity and persistence in overcoming ob-  
stacles in acquisition.”.

1 **SEC. 802. [Log 75339]. LIFE CYCLE MANAGEMENT AND**  
2 **PRODUCT SUPPORT.**

3 Section 4324(b) of title 10, United States Code, is  
4 amended—

5 (1) by designating the matter preceding sub-  
6 paragraph (A), as so redesignated, as paragraph (1);

7 (2) by redesignating paragraphs (1), (2), (3),  
8 (4), (5), (6), (7), and (8) as subparagraphs (A), (B),  
9 (C), (D), (E), (F), (G), and (I), respectively;

10 (3) in paragraph (1), as so designated—

11 (A) in the matter preceding subparagraph  
12 (A), as so redesignated—

13 (i) by inserting “IN GENERAL.—” be-  
14 fore “Before granting” ; and

15 (ii) by inserting after “approved life  
16 cycle sustainment plan” the following: “ap-  
17 proved by all covered individuals for such  
18 covered system”;

19 (B) by amending subparagraph (G), as so  
20 redesignated, to read as follows:

21 “(G) an intellectual property management  
22 plan for product support, including access to  
23 technical data and computer software, as well  
24 as contract delivery requirements for the data  
25 rights;”;

1 (C) by inserting after subparagraph (G),  
2 as so redesignated, the following new subpara-  
3 graph:

4 “(H) an estimate of the number of per-  
5 sonnel needed to operate and maintain the cov-  
6 ered system;”;

7 (D) in subparagraph (I), as so redesign-  
8 ated, by striking the period at the end and in-  
9 serting “; and” at the end; and

10 (E) by inserting after subparagraph (I), as  
11 so redesignated, the following new subpara-  
12 graph:

13 “(J) a product support business case anal-  
14 ysis that—

15 “(i) addresses—

16 “(I) the costs, benefits, and risks  
17 to sustainment associated with the  
18 performance goals;

19 “(II) the engineering and design  
20 considerations;

21 “(III) intellectual property, in-  
22 cluding access to technical data and  
23 computer software; and

1                   “(IV) the number of personnel  
2 needed to operate and maintain the  
3 covered system; and  
4                   “(ii) explicitly addresses—  
5                   “(I) the tradeoffs made between  
6 the factors described in clause (i); and  
7                   “(II) the associated implications  
8 of such tradeoffs for—  
9                   “(aa) design, development,  
10 production, and operating and  
11 support costs;  
12                   “(bb) operational and mate-  
13 riel availability;  
14                   “(cc) the mix of active and  
15 reserve components of the mili-  
16 tary, Government civilian em-  
17 ployee, host nation support, and  
18 contractor personnel to operate  
19 and maintain the covered system;  
20 and  
21                   “(dd) the ability of the Gov-  
22 ernment to retain core logistics  
23 capability identified under section  
24 2464 and comply with the re-



1 requirements under section 2466.”;

2 and

3 (4) by adding at the end the following new  
4 paragraphs:

5 “(2) SUBSEQUENT PHASES.—Before granting  
6 approval for entry of the covered system into each  
7 subsequent phase of the acquisition after the phase  
8 described in section 4172(e)(7), the milestone deci-  
9 sion authority shall ensure that the life cycle  
10 sustainment plan described in paragraph (1) for  
11 such covered system has been updated and again ap-  
12 proved by all covered individuals for such covered  
13 system.

14 “(3) COVERED INDIVIDUALS DEFINED.—In this  
15 subsection, the term ‘covered individuals’ means—

16 “(A) a product support manager described  
17 in subsection (c);

18 “(B) a program manager (as defined in  
19 section 1737(a));

20 “(C) a program executive officer (as de-  
21 fined in section 1737(a)); and

22 “(D) an appropriate materiel, logistics, or  
23 fleet representative.”.

1 **SEC. 803. [Log 74956]. AMENDMENTS TO CONTRACTOR EM-**  
2 **PLOYEE PROTECTIONS FROM REPRISAL FOR**  
3 **DISCLOSURE OF CERTAIN INFORMATION.**

4 (a) DEFENSE CONTRACTS.—

5 (1) ADDITION OF GRANTEES, SUBGRANTEES,  
6 AND PERSONAL SERVICES CONTRACTORS.—Section  
7 4701 of title 10, United States Code, is amended—

8 (A) in subsection (a), in paragraphs (2)(G)  
9 and (3)(A), by striking “or subcontractor” and  
10 inserting “, subcontractor, grantee, subgrantee,  
11 or personal services contractor”;

12 (B) in subsection (b)(1), by striking “con-  
13 tractor concerned” and inserting “contractor,  
14 subcontractor, grantee, subgrantee, or personal  
15 services contractor concerned”;

16 (C) in subsection (c)—

17 (i) in the matter preceding subpara-  
18 graph (A) of paragraph (1), by striking  
19 “contractor concerned” and inserting “con-  
20 tractor, subcontractor, grantee, sub-  
21 grantee, or personal services contractor  
22 concerned”; and

23 (ii) in paragraph (1), by inserting  
24 after “Order the contractor” each place it  
25 appears the following: “, subcontractor,

1 grantee, subgrantee, or personal services  
2 contractor”;

3 (iii) in paragraph (2), by inserting  
4 after “contractor” the following: “, subcon-  
5 tractor, grantee, subgrantee, or personal  
6 services contractor”;

7 (D) in subsection (d), by striking “and  
8 subcontractors” and inserting “, subcontrac-  
9 tors, grantees, subgrantees, and personal serv-  
10 ices contractors”; and

11 (E) in subsection (e)(2)—

12 (i) in the matter preceding subpara-  
13 graph (A), by striking “or grantee of” and  
14 inserting “grantee, subgrantee, or personal  
15 services contractor of”; and

16 (ii) in subparagraph (B), by striking  
17 “or grantee” and inserting “grantee, or  
18 subgrantee”.

19 (2) ADDITIONAL AMENDMENTS.—Such section  
20 is further amended in subsection (c)(1) by adding at  
21 the end the following new subparagraph:

22 “(D) Consider disciplinary or corrective action  
23 against any Department or Administration official,  
24 if appropriate.”.

25 (b) CIVILIAN AGENCY CONTRACTS.—

1 (1) IN GENERAL.—Section 4712 of title 41,  
2 United States Code, is amended—

3 (A) in subsection (a)(2)(G), by striking “or  
4 subgrantee” and inserting “subgrantee, or per-  
5 sonal services contractor”;

6 (B) in subsection (b)(1), by striking “or  
7 subgrantee” and inserting “subgrantee, or per-  
8 sonal services contractor”;

9 (C) in subsection (c)—

10 (i) in paragraph (1)—

11 (I) by striking “or subgrantee”  
12 each place it appears and inserting  
13 “subgrantee, or personal services con-  
14 tractor”; and

15 (II) by adding at the end the fol-  
16 lowing new subparagraph:

17 “(D) Consider disciplinary or corrective ac-  
18 tion against any executive branch official, if ap-  
19 propriate.”; and

20 (ii) in paragraph (2), by striking “or  
21 subgrantee” and inserting “subgrantee, or  
22 personal services contractor”;

23 (D) in subsection (d), by striking “and  
24 subgrantees” and inserting “subgrantees, and  
25 personal services contractors”; and

1 (E) in subsection (f)(2)—

2 (i) in the matter preceding subpara-  
3 graph (A), by striking “or subgrantee” and  
4 inserting “subgrantee, or personal services  
5 contractor”; and

6 (ii) in subparagraph (B), by striking  
7 “or subgrantee” and inserting “sub-  
8 grantee, or personal services contractor”.

9 (2) ADDITIONAL AMENDMENTS.—

10 (A) IN GENERAL.—Section 4705 of title  
11 41, United States Code, is repealed.

12 (B) CONFORMING AMENDMENTS.—

13 (i) TITLE 38.—Subchapter II of chap-  
14 ter 7 of title 38, United States Code, is  
15 amended—

16 (I) in section 731(c)(4)—

17 (aa) by striking “section  
18 4705(b) or”; and

19 (bb) by striking “, as the  
20 case may be”; and

21 (II) in section 733(a)(5), by  
22 striking “section 4705 or”.

23 (ii) TITLE 49.—Section  
24 40110(d)(2)(C) of title 49, United States  
25 Code, is amended by inserting “, as in ef-

1                   fect immediately before the enactment of  
2                   the National Defense Authorization Act for  
3                   Fiscal Year 2022,” before “shall apply”.

1 **SEC. 804.[Log 75299]. MISSION-BASED RAPID ACQUISITION**  
2 **ACCOUNT.**

3 (a) ESTABLISHMENT.—There is established in the  
4 Department of Defense an account to be known as the  
5 “Mission-Based Rapid Acquisition Account” (in this sec-  
6 tion referred to as the “Account”) to support the pilot  
7 program.

8 (b) USE OF FUNDS.—The Deputy Secretary of De-  
9 fense may use the funds in the Account to carry out the  
10 pilot program.

11 (c) SEMIANNUAL BRIEFING.—The Deputy Secretary  
12 of Defense shall include in each briefing submitted under  
13 subsection (f)(1)(A) of section 871 of the National De-  
14 fense Authorization Act for Fiscal Year 2022 (Public Law  
15 117–81; 135 Stat. 1855; 10 U.S.C. 191 note) after the  
16 date of the enactment of this Act a briefing on the use  
17 of funds in the Account, including—

18 (1) how the Deputy Secretary of Defense has  
19 used such funds to incent new small businesses to  
20 enter transactions for prototype projects with the  
21 Department;

22 (2) support the rapid transition of the solutions  
23 described in subsection (c)(2)(B) of such section 871  
24 to warfighters; and

25 (3) whether additional funding flexibility is  
26 needed to scale technologies.

1           (d) PILOT PROGRAM DEFINED.—In this section, the  
2 term “pilot program” means the pilot program established  
3 under section 871 of the National Defense Authorization  
4 Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat.  
5 1855; 10 U.S.C. 191 note).



1 **Subtitle B—Amendments to Gen-**  
2 **eral Contracting Authorities,**  
3 **Procedures, and Limitations**

4 **SEC. 811. [Log 74961]. COMPTROLLER GENERAL ASSESS-**  
5 **MENT OF ACQUISITION PROGRAMS AND EF-**  
6 **FORTS.**

7 Section 3072 of title 10, United States Code, is  
8 amended—

9 (1) in the section heading, by striking “**initia-**  
10 **tives**” and inserting “**efforts**”;

11 (2) in subsection (a)—

12 (A) by striking “initiatives” and inserting  
13 “efforts”; and

14 (B) by striking “2023” and inserting  
15 “2026”;

16 (3) in subsection (b), by striking “initiatives”  
17 each place it appears and inserting “efforts”; and

18 (4) in subsection (c)—

19 (A) in the subsection heading, by striking  
20 “INITIATIVES” and inserting “EFFORTS”; and

21 (B) by striking “initiatives” each place it  
22 appears and inserting “efforts”.

1 **SEC. 812. [Log 75365]. CLARIFICATION TO FIXED-PRICE IN-**  
2 **CENTIVE CONTRACT REFERENCES.**

3 (a) **AUTHORITY TO ACQUIRE INNOVATIVE COMMER-**  
4 **CIAL PRODUCTS AND COMMERCIAL SERVICES USING**  
5 **GENERAL SOLICITATION COMPETITIVE PROCEDURES.—**  
6 Section 3458(c)(2) of title 10, United States Code, is  
7 amended by striking “fixed-price incentive fee contracts”  
8 and inserting “fixed-price incentive contracts”.

9 (b) **CONTRACTOR INCENTIVES TO ACHIEVE SAVINGS**  
10 **AND IMPROVE MISSION PERFORMANCE.—**Section 832 of  
11 the National Defense Authorization Act for Fiscal Year  
12 2017 (Public Law 114–328; 10 U.S.C. 1746 note) is  
13 amended by striking “fixed-price incentive fee contracts”  
14 and inserting “fixed-price incentive contracts”.

1 **SEC. 813. [Log 74810]. EXTENSION OF PILOT PROGRAM TO**  
2 **ACCELERATE CONTRACTING AND PRICING**  
3 **PROCESSES.**

4 Section 890 of the John S. McCain National Defense  
5 Authorization Act for Fiscal Year 2019 (Public Law 115–  
6 232) is amended—

7 (1) in subsection (a)(2), by striking “of” before  
8 “chapter 271”; and

9 (2) in subsection (c), by striking “January 2,  
10 2023” and inserting “January 2, 2024”.

1 **SEC. 814. [Log 74955]. EXTENSION AND MODIFICATION OF**  
2 **NEVER CONTRACT WITH THE ENEMY.**

3 Subtitle E of title VIII of the Carl Levin and Howard  
4 P. “Buck” McKeon National Defense Authorization Act  
5 for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C.  
6 4871 note prec.) is amended—

7 (1) in section 841—

8 (A) in subsection (i)(1)—

9 (i) in the matter preceding subpara-  
10 graph (A), by striking “2016, 2017, and  
11 2018” and inserting “2023, and annually  
12 thereafter”; and

13 (ii) by adding at the end the following  
14 new subparagraphs:

15 “(C) Specific examples where the authori-  
16 ties under this section can not be used to miti-  
17 gate national security threats posed by vendors  
18 supporting Department operations because of  
19 the restriction on using such authorities only  
20 with respect to contingency operations.

21 “(D) A description of the policies ensuring  
22 that oversight of the use of the authorities in  
23 this section is effectively carried out by a single  
24 office in the Office of the Under Secretary of  
25 Defense for Acquisition and Sustainment.”; and

1 (B) in subsection (n), by striking “Decem-  
2 ber 31, 2023” and inserting “December 31,  
3 2025”; and  
4 (2) in section 842(b)(1), by striking “2016,  
5 2017, and 2018” and inserting “2023, 2024, and  
6 2025”.

1 **SEC. 815.[Log 74793]. MODIFICATION TO INDEMNIFICATION**  
2 **AUTHORITY FOR RESEARCH AND DEVELOP-**  
3 **MENT CONTRACTS.**

4 (a) IN GENERAL.—Section 3861 of title 10, United  
5 States Code, is amended—

6 (1) in subsection (a), by striking “Secretary of  
7 the military department concerned” and inserting  
8 “Secretary of Defense”;

9 (2) in subsection (c), by striking “Secretary”  
10 and all that follows through “by him,” and inserting  
11 “Secretary of Defense”; and

12 (3) in subsection (d), by striking “Secretary  
13 concerned” and inserting “Secretary of Defense”.

14 (b) CONFORMING AMENDMENT.—Section 1684 of the  
15 National Defense Authorization Act for Fiscal Year 2022  
16 (Public Law 117-81; 135 Stat. 2123) is amended by in-  
17 serting “or the Secretary of Defense, as applicable,” after  
18 “Secretary concerned”.

19 (c) APPLICABILITY.—This section and the amend-  
20 ments made by this section shall apply to contracts en-  
21 tered into on or after the date of the enactment of this  
22 Act.

1     **Subtitle C—Provisions Relating to**  
2                     **Acquisition Workforce**

3     **SEC. 821. [Log 74930]. KEY EXPERIENCES AND ENHANCED**  
4                     **PAY AUTHORITY FOR ACQUISITION WORK-**  
5                     **FORCE EXCELLENCE.**

6             (a) PARTICIPATION IN THE PUBLIC-PRIVATE TALENT  
7     EXCHANGE PROGRAM.—

8                     (1) IN GENERAL.—Section 1701a(b) of title 10,  
9     United States Code, is amended—

10                     (A) in paragraph (9)(C), by striking “and”  
11     at the end;

12                     (B) in paragraph (10), by striking the pe-  
13     riod at the end and inserting “; and”; and

14                     (C) by adding at the end the following new  
15     paragraph:

16                     “(11) ensure participation in the public-private  
17     talent exchange program established under section  
18     1599g of this title—

19                     “(A) for a total of 100 members of the ac-  
20     quisition workforce in fiscal year 2024;

21                     “(B) for a total of 500 such members in  
22     fiscal year 2025; and

23                     “(C) for a total of 1,000 such members in  
24     fiscal year 2026 and each fiscal year there-  
25     after.”.

1           (2)       TECHNICAL        AMENDMENT.—Section  
2       1701a(b)(2) of title 10, United States Code, is fur-  
3       ther amended by striking “as defined” and all that  
4       follows through “this title” and inserting “as defined  
5       in section 3001 of this title”.

6       (b) ENHANCED PAY AUTHORITY FOR POSITIONS IN  
7       DEPARTMENT OF DEFENSE FIELD ACTIVITIES AND DE-  
8       FENSE AGENCIES.—Section 1701b(e)(2) of title 10,  
9       United States Code, is amended to read as follows:

10           “(2) NUMBER OF POSITIONS.—The authority in  
11       subsection (a) may not be used at any one time with  
12       respect to—

13           “(A) more than five positions, in total, in  
14       Department of Defense Field Activities and De-  
15       fense Agencies;

16           “(B) more than five positions in the Office  
17       of the Secretary of Defense; and

18           “(C) more than five positions in each mili-  
19       tary department.”.

20       (c) REPORT REQUIREMENTS.—

21           (1) REPORT ON PUBLIC-PRIVATE TALENT EX-  
22       CHANGES.—Section 1599g of title 10, United States  
23       Code, is amended by adding at the end the following  
24       new subsection:



1       “(k) REPORT.—Each member of the acquisition  
2 workforce that participates in the program established  
3 under this section shall, upon completion of such partici-  
4 pation, submit to the President of the Defense Acquisition  
5 University for inclusion in the report required under sec-  
6 tion 1746a(e) a description and evaluation of such partici-  
7 pation.”.

8               (2) REPORT ON ACQUISITION WORKFORCE EDU-  
9       CATIONAL PARTNERSHIPS.—Section 1746a(e) of title  
10       10, United States Code, is amended by striking  
11       “and the congressional defense committees” and in-  
12       serting “, the congressional defense committees, the  
13       Committee on Oversight and Reform of the House  
14       of Representatives, and the Committee on Homeland  
15       Security and Government Affairs of the Senate”.

1 **SEC. 822. [Log 74924]. DEFENSE ACQUISITION UNIVERSITY**  
2 **REFORMS.**

3 (a) IN GENERAL.—Section 1746 of title 10, United  
4 States Code, is amended—

5 (1) in subsection (b)—

6 (A) by amending paragraph (2) to read as  
7 follows:

8 “(2) The Secretary of Defense shall ensure the de-  
9 fense acquisition university structure includes relevant ex-  
10 pert lecturers from extramural institutions (as defined in  
11 section 1746a(g) of this title), industry, or federally fund-  
12 ed research and development centers to advance acquisi-  
13 tion workforce competence regarding commercial business  
14 interests, acquisition process-related innovations, and  
15 other relevant leading practices of the private sector.”;

16 (B) by striking paragraph (3); and

17 (C) by redesignating paragraphs (4) and  
18 (5) as paragraphs (3) and (4), respectively;

19 (2) in subsection (c), by striking “commercial  
20 training providers” and inserting “extramural insti-  
21 tutions (as defined in section 1746a(g) of this  
22 title)”;

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

25 “(e) PRESIDENT APPOINTMENT.—(1) The Under  
26 Secretary of Defense for Acquisition and Sustainment

1 shall appoint the President of the Defense Acquisition  
2 University.

3 “(2) When determining who to appoint under para-  
4 graph (1), the Under Secretary of Defense for Acquisition  
5 and Sustainment shall, in consultation with the Under  
6 Secretary of Defense for Research and Engineering and  
7 the service acquisition executives, consider only highly  
8 qualified candidates who have—

9 “(A) demonstrated leadership abilities;

10 “(B) experience using leading practices to de-  
11 velop talent in the private sector; and

12 “(C) other qualifying factors, including experi-  
13 ence with and an understanding of the defense ac-  
14 quisition system (as defined in section 3001 of this  
15 title), an understanding of emerging technologies  
16 and the defense applications of such technologies,  
17 experience partnering with States, national associa-  
18 tions, and academia, and experience with learning  
19 technologies.

20 “(3) The term of the President of the Defense Acqui-  
21 sition University shall be not more than five years. The  
22 preceding sentence does not apply to the President of the  
23 Defense Acquisition University serving on January 1,  
24 2022.”.

1           (b) IMPLEMENTATION REPORT.—Not later than  
2 March 1, 2023, the Secretary of Defense shall submit to  
3 the congressional defense committees a plan to modify the  
4 defense acquisition university structure to comply with  
5 section 1746(b)(2) of title 10, United States Code, as  
6 amended by subsection (a). Such plan shall establish a  
7 date of not later than March 1, 2026, for such modifica-  
8 tion to be completed.

1 **SEC. 823. [Log 74926]. REPEAL OF CERTAIN PROVISIONS RE-**  
2 **LATING TO ACQUISITION WORKFORCE IN-**  
3 **CENTIVES.**

4 (a) EXCHANGE PROGRAM FOR ACQUISITION WORK-  
5 FORCE EMPLOYEES.—Section 884 of the National De-  
6 fense Authorization Act for Fiscal Year 2019 (Public Law  
7 115–232; 132 Stat. 1915; 10 U.S.C. 1701 note) is re-  
8 pealed.

9 (b) PILOT PROGRAM ON TEMPORARY EXCHANGE OF  
10 FINANCIAL MANAGEMENT AND ACQUISITION PER-  
11 SONNEL.—Section 1110 of the National Defense Author-  
12 ization Act for Fiscal Year 2016 (10 U.S.C. 1701 note)  
13 is repealed.

14 (c) FLEXIBILITY IN CONTRACTING AWARD PRO-  
15 GRAM.—Section 834 of the National Defense Authoriza-  
16 tion Act for Fiscal Year 2017 (Public Law 114–328; 130  
17 Stat. 2285; 10 U.S.C. 1701a note) is repealed.

1 **SEC. 824. [Log 74811]. ACQUISITION WORKFORCE INCEN-**  
2 **TIVES RELATING TO TRAINING ON AND**  
3 **AGREEMENTS WITH CERTAIN SOFTWARE**  
4 **BUSINESSES.**

5 (a) TRAINING.—

6 (1) CURRICULA.—Not later than one year after  
7 the date of the enactment of this Act, the head of  
8 the Acquisition Innovation Research Center shall de-  
9 velop one or more curricula for members of the ac-  
10 quisition workforce on financing and operations of  
11 start-up businesses, with a focus on covered start-up  
12 businesses.

13 (2) ELEMENTS.—Courses under curricula devel-  
14 oped under paragraph (1) shall be offered with vary-  
15 ing course lengths and level of study.

16 (3) INCENTIVES.—The Secretary of Defense  
17 shall develop a program to offer incentives to a  
18 member of the acquisition workforce that completes  
19 a curriculum developed under paragraph (1).

20 (4) ADDITIONAL TRAINING MATERIALS.—In de-  
21 veloping curricula required under paragraph (1), the  
22 head of the Acquisition Innovation Research Center  
23 shall consider and incorporate appropriate training  
24 materials from curricula in business, law, or public  
25 policy.

26 (b) EXCHANGES.—

1           (1) IN GENERAL.—The Secretary of Defense  
2 shall establish a pilot program under which the Sec-  
3 retary shall, in accordance with section 1599g of  
4 title 10, United States Code, arrange for the tem-  
5 porary assignment of one or more members of the  
6 acquisition workforce to a covered start-up business,  
7 or from a covered start-up business to an office of  
8 the Department of Defense.

9           (2) PRIORITY.—The Secretary shall prioritize  
10 for participation in the pilot program established  
11 under this subsection members of the acquisition  
12 workforce who have completed a curricula required  
13 under paragraph (1).

14           (3) TERMINATION.—The Secretary may not  
15 carry out the pilot program authorized by this sub-  
16 section after the date that is three years after the  
17 date of the enactment of this Act.

18           (c) CONFERENCES.—

19           (1) IN GENERAL.—The Secretary of Defense  
20 shall organize a conference, to take place not less  
21 frequently than biannually, to facilitate discussion  
22 between participants listed in subsection (b) on the  
23 following:

24                   (A) Best practices relating to acquisition of  
25 software.

1 (B) Methods of effective collaboration be-  
2 tween such participants.

3 (2) PARTICIPANTS.—Participants in a con-  
4 ference organized under paragraph (1) may include  
5 the following:

6 (A) Members of the acquisition workforce.

7 (B) Employees of and investors in covered  
8 start-up businesses.

9 (d) PILOT PROGRAM.—

10 (1) ESTABLISHMENT.—Not later than 18  
11 months after the date of the enactment of this Act,  
12 the Secretary of Defense shall establish a pilot pro-  
13 gram to test the feasibility of unique approaches to  
14 negotiating and establishing software data rights in  
15 agreements for the procurement of software.

16 (2) AUTHORITY.—To the maximum extent  
17 practicable, the Secretary shall—

18 (A) ensure that a member of the acquisi-  
19 tion workforce who has completed a curricula  
20 required under subsection (a) is able to exercise  
21 authority to apply an approach described in  
22 paragraph (1); and

23 (B) provide incentives to such member to  
24 exercise such authority.



1           (3) ELEMENTS.—An agreement described in  
2 paragraph (1) shall include the following:

3           (A) Flexible requirements relating to the  
4 acquisition or licensing of intellectual property  
5 based on the software to be acquired under the  
6 agreement.

7           (B) An identification and definition of the  
8 technical interoperability standards required for  
9 such software.

10          (C) Flexible mechanisms for delivery of  
11 code for such software, where each such mecha-  
12 nism includes documentation of the costs and  
13 benefits of such mechanism.

14          (4) PARAMETERS.—The United States shall  
15 seek to avoid asserting unlimited rights or govern-  
16 ment purpose rights to software acquired under an  
17 agreement entered into pursuant to the pilot pro-  
18 gram established under this section.

19          (5) TERMINATION.—The Secretary may not  
20 carry out the pilot program authorized by this sub-  
21 section after the date that is 5 years after the date  
22 of the enactment of this Act.

23          (e) DEFINITIONS.—In this section:

24           (1) The term “Acquisition Innovation Research  
25 Center” means the acquisition research organization

1 within a civilian college or university that is de-  
2 scribed under section 4142(a) of title 10, United  
3 States Code.

4 (2) The term “acquisition workforce” has the  
5 meaning given in section 101 of title 10, United  
6 States Code.

7 (3) The term “covered start-up businesses”  
8 means a start-up business that is a party to, or is  
9 seeking to enter into, an agreement with the Depart-  
10 ment of Defense, the products and services of which  
11 include software as a substantial component of the  
12 offer for such agreement.

13 (4) The term “start-up business” means a busi-  
14 ness that is not publicly traded and that has not  
15 been acquired by a prime contractor.

1     **Subtitle D—Provisions Relating to**  
2             **Software and Technology**

3     **SEC. 831. [Log 75328]. PRIZES FOR ADVANCED TECH-**  
4             **NOLOGY ACHIEVEMENTS.**

5             Section 4025 of title 10, United States Code, is  
6 amended—

7             (1) in subsection (a)—

8                 (A) by striking “that have” and inserting  
9                 “that—”

10                “(1) have”;

11                (B) by striking “Defense.” and inserting  
12                “Defense; or”; and

13                (C) by adding at the end the following new  
14                paragraph:

15                “(2) demonstrate management practices that  
16                improve the schedule or performance, reduce the  
17                costs, or otherwise support the transition of tech-  
18                nology into acquisition programs or operational  
19                use.”;

20                (2) in subsection (b), by striking “of research  
21                results, technology developments, and prototypes”;

22                (3) in subsection (d), by striking “to acquire,  
23                support, or stimulate basic, advanced and applied re-  
24                search, technology development, or prototype  
25                projects”;

1 (4) in subsection (f), by striking “section 2304”  
2 and inserting “chapter 221”; and

3 (5) in subsection (g)(2)—

4 (A) by redesignating subparagraphs (B)  
5 and (C) as subparagraphs (D) and (E), respec-  
6 tively; and

7 (B) by inserting after subparagraph (A)  
8 the following new subparagraphs:

9 “(B) if applicable, a summary of the man-  
10 agement practice that contributed to an im-  
11 provement to schedule or performance or a re-  
12 duction in cost relating to the transition of  
13 technology;

14 “(C) an identification of any program execu-  
15 tive officer (as defined in section 1737 of this  
16 title) responsible for implementation or over-  
17 sight of research results, technology develop-  
18 ment, prototype development, or management  
19 practices (as applicable) for which an award  
20 was made under this section, and a brief sum-  
21 mary of lessons learned by such program execu-  
22 tive officer in carrying out such implementation  
23 or oversight;”.

1 **SEC. 832. [Log 75543]. CONGRESSIONAL NOTIFICATION FOR**  
2 **PILOT PROGRAM TO ACCELERATE THE PRO-**  
3 **CUREMENT AND FIELDING OF INNOVATIVE**  
4 **TECHNOLOGIES.**

5 Section 834 of the National Defense Authorization  
6 Act for Fiscal Year 2022 (Public Law 117–81; 135 Stat.  
7 1835; 10 U.S.C. 4061 note) is amended—

8 (1) by redesignating subsection (f) as sub-  
9 section (g); and

10 (2) by inserting after subsection (e) the fol-  
11 lowing new subsection:

12 “(f) **CONGRESSIONAL NOTIFICATION.**—The Sec-  
13 retary of Defense shall notify congressional defense com-  
14 mittees within 30 days after funding has been provided  
15 for a proposal selected for an award under the pilot pro-  
16 gram established under this section.”.

## 1 **Subtitle E—Industrial Base Matters**

### 2 **SEC. 841. [Log 75283]. RECOGNITION OF AN ASSOCIATION** 3 **OF ELIGIBLE ENTITIES THAT PROVIDE PRO-** 4 **CUREMENT TECHNICAL ASSISTANCE.**

5 (a) REGULATIONS.—Section 4953 of title 10, United  
6 States Code, is amended by inserting “, and shall consult  
7 with an association recognized under section 4954(f) re-  
8 garding any revisions to such regulations” before the pe-  
9 riod at the end.

10 (b) COOPERATIVE AGREEMENTS.—Section 4954 of  
11 title 10, United States Code, is amended by adding at the  
12 end the following new subsections:

13 “(f) ASSOCIATION RECOGNITION AND DUTIES.—Eli-  
14 gible entities that provide procurement technical assist-  
15 ance pursuant to this chapter may form an association to  
16 pursue matters of common concern. If more than a major-  
17 ity of such eligible entities are members of such an asso-  
18 ciation, the Secretary shall—

19 “(1) recognize the existence and activities of  
20 such an association; and

21 “(2) jointly develop with such association a  
22 model cooperative agreement that may be used at  
23 the option of the Secretary and an eligible entity.”.

1 (c) FUNDING.—Section 4955(a)(1) of title 10, United  
2 States Code, is amended by striking “\$1,000,000” and in-  
3 serting “\$1,500,000”.

4 (d) ADMINISTRATIVE AND OTHER LOGISTICAL  
5 COSTS.—Section 4961 of title 10, United States Code, is  
6 amended—

7 (1) in the matter preceding paragraph (1), by  
8 striking “Director of the Defense Logistics Agency”  
9 and inserting “Secretary”;

10 (2) in paragraph (1), by striking “three” and  
11 inserting “four”; and

12 (3) in paragraph (2)—

13 (A) in the matter preceding subparagraph

14 (A)—

15 (i) by striking “Director” and insert-  
16 ing “Secretary”; and

17 (ii) by striking “entities —” and in-  
18 serting “entities—”; and

19 (B) in subparagraph (A), by inserting “,  
20 including meetings of an association recognized  
21 under section 4954(f),” after “meetings”.

1 **SEC. 842. [Log 74916]. CODIFICATION OF THE DEPARTMENT**  
2 **OF DEFENSE MENTOR-PROTEGE PROGRAM.**

3 (a) IN GENERAL.—Section 831 of the National De-  
4 fense Authorization Act for Fiscal Year 1991 (10 U.S.C.  
5 4901 note prec.) is transferred to subchapter I of chapter  
6 387 of title 10, United States Code, inserted after section  
7 4901, and redesignated as section 4902.

8 (b) AMENDMENTS.—Section 4902 of title 10, United  
9 States Code, as so transferred and redesignated, is amend-  
10 ed—

11 (1) in the heading, by striking “**MENTOR-PRO-**  
12 **TEGE PILOT**” and inserting “**DEPARTMENT OF**  
13 **DEFENSE MENTOR-PROTEGE**”;

14 (2) in subsections (a) and (c), by striking the  
15 term “pilot” each place it appears;

16 (3) in subsection (d)(1)(B)(iii)—

17 (A) in subclause (I), by striking  
18 “\$100,000,000” and inserting “\$25,000,000”;  
19 and

20 (B) in subclause (II), by striking “sub-  
21 section (k)” and inserting “subsection (j)”;

22 (4) in subsection (e)(2), by striking “two years”  
23 each place it appears and inserting “three years”;

24 (5) in subsection (f)(1)(B), by inserting “manu-  
25 facturing, test and evaluation,” after “inventory con-  
26 trol,”;



1 (6) in subsection (g)(3)(C), by striking “sub-  
2 section (k)” and inserting “subsection (j)”;

3 (7) by striking subsection (j);

4 (8) by redesignating subsections (k) through  
5 (n) as subsections (j) through (m), respectively;

6 (9) in subsection (j), as so redesignated—

7 (A) by striking the term “pilot” each place  
8 it appears;

9 (B) by striking “by which mentor firms”  
10 and inserting “by which the parties”; and

11 (C) by striking “The Secretary shall pub-  
12 lish” and all that follows through “270 days  
13 after the date of the enactment of this Act.”;

14 (10) in subsection (l), as so redesignated, by  
15 striking “subsection (l)” and inserting “subsection  
16 (k)”;

17 (11) by amending subsection (m), as so redesi-  
18 gnated, to read as follows:

19 “(m) TRANSITION REPORT.—Not later than July 1,  
20 2023, the Secretary of Defense shall submit to the con-  
21 gressional defense committees a report on the implementa-  
22 tion of the amendments to the Mentor-Protege Program  
23 made in the National Defense Authorization Act for Fiscal  
24 Year 2023, including the efforts made to establish per-  
25 formance goals and outcome-based metrics and an evalua-

1 tion of whether the Mentor-Protege Program is achieving  
2 such performance goals and outcome-based metrics.”; and

3 (12) by inserting after subsection (m), as so re-  
4 designated, the following new subsection:

5 “(n) PROTEGE TECHNICAL REIMBURSEMENT PILOT  
6 PROGRAM.—

7 “(1) IN GENERAL.—Not later than July 1,  
8 2023, the Director of the Office of Small Business  
9 Programs of the Department of Defense shall estab-  
10 lish a pilot program under which a protege firm may  
11 receive up to 25 percent of the reimbursement for  
12 which the mentor firm of such protege firm is eligi-  
13 ble under the Mentor-Protege Program for engineer-  
14 ing, software development, or manufacturing  
15 customization that the protege firm must perform  
16 for a technology solution of the protege firm to be  
17 ready for integration with programs or systems of  
18 the Department of Defense.

19 “(2) TERMINATION.—The pilot program estab-  
20 lished under paragraph (1) shall terminate on the  
21 date that is five years after the date on which the  
22 pilot program is established.”.

23 (c) CLERICAL AMENDMENT.—The table of sections  
24 for subchapter I of chapter 387 of title 10, United States

1 Code, is amended by adding at the end the following new  
2 item:

“4902. Department of Defense Mentor–Protege Program.”.

3 (d) CONFORMING AMENDMENT.—

4 (1) BUY INDIAN ACT.—Section 23(a)(2) of the  
5 Act of June 25, 1910 (commonly known as the  
6 “Buy Indian Act”) (36 Stat. 861, 25 U.S.C.  
7 47(a)(2)) is amended by striking “section 831(c) of  
8 the National Defense Authorization Act for Fiscal  
9 Year 1991 (10 U.S.C. 2302 note; Public Law 101–  
10 510)” and inserting “section 4902(c) of title 10,  
11 United States Code”.

12 (2) SMALL BUSINESS ACT.—Section 8(d)(12) of  
13 the Small Business Act (15 U.S.C. 637(d)(12)) is  
14 amended—

15 (A) by striking “the pilot Mentor-Protege  
16 Program established pursuant to section 831 of  
17 the National Defense Authorization Act for Fis-  
18 cal Year 1991 (Public Law 101–510; 10 U.S.C.  
19 2301 note)” and inserting “the Mentor-Protege  
20 Program established under section 4902 of title  
21 10, United States Code,”; and

22 (B) by striking “subsection (g)” and in-  
23 serting “subsection (f)”.

24 (e) REGULATIONS.—Not later than December 31,  
25 2023, the Secretary of Defense shall issue regulations for

1 carrying out section 4902 of title 10, United States Code,  
2 as amended by this section.

3 (f) AGREEMENTS UNDER PILOT PROGRAM.—The  
4 amendments made by this section shall not apply with re-  
5 spect to any agreement entered into under the program  
6 as established under section 831 of the National Defense  
7 Authorization Act for Fiscal Year 1991 (Public Law 101–  
8 510; 104 Stat. 1607) prior to the date of the enactment  
9 of this Act.

1                   **Subtitle F—Other Matters**

2   **SEC. 851. [Log 74923]. TECHNICAL CORRECTION TO EFFEC-**  
3                   **TIVE DATE OF THE TRANSFER OF CERTAIN**  
4                   **TITLE 10 ACQUISITION PROVISIONS.**

5           (a) IN GENERAL.—The amendments made by section  
6 1701(e) and paragraphs (1) and (2) of section 802(b) of  
7 the National Defense Authorization Act for Fiscal Year  
8 2022 (Public Law 117–81) shall be deemed to have taken  
9 effect immediately before the amendments made by section  
10 1881 of the William M. (Mac) Thornberry National De-  
11 fense Authorization Act for Fiscal Year 2021 (Public Law  
12 116–283; 134 Stat. 4293).

13           (b) TREATMENT OF SECTION 4027 REQUIRE-  
14 MENTS.—An individual or entity to which the require-  
15 ments under section 4027 of title 10, United States Code,  
16 were applicable during the period beginning on January  
17 1, 2022, and ending on the date of the enactment of this  
18 Act pursuant to subsection (a) shall be deemed to have  
19 complied with such requirements during such period.

1 **SEC. 852. [Log 75398]. REGULATIONS ON USE OF FIXED-**  
2 **PRICE TYPE CONTRACTS FOR MAJOR DE-**  
3 **FENSE ACQUISITION PROGRAMS.**

4 (a) MODIFICATION OF REGULATIONS.—Not later  
5 than 120 days after the date of the enactment of this Act,  
6 the Secretary of Defense shall revise the Department of  
7 Defense Supplement to the Federal Acquisition Regula-  
8 tion and any regulations issued pursuant to section 818  
9 of the John Warner National Defense Authorization Act  
10 for Fiscal Year 2007 (Public Law 109–364; 120 Stat.  
11 2329) regarding the use of fixed-price type contracts for  
12 a major defense acquisition program.

13 (b) ELEMENTS.—The revisions described in sub-  
14 section (a) shall require the following:

15 (1) That the number of low-rate initial produc-  
16 tion lots associated with a major defense acquisition  
17 program may not be more than one if—

18 (A) the milestone decision authority au-  
19 thORIZES the use of a fixed-price type contract at  
20 the time of a decision on Milestone B approval;  
21 and

22 (B) the scope of work of the fixed-price  
23 type contract includes both the development  
24 and low-rate initial production of items for such  
25 major defense acquisition program.

1           (2) The limitation in paragraph (1) may be  
2           waived on a case-by-case basis by the applicable  
3           service acquisition executive. This waiver authority  
4           may not be delegated below the level of service ac-  
5           quisition executive.

6           (c) DEFINITIONS.—In this section:

7           (1) The term “low-rate initial production” has  
8           the meaning given under section 4231 of title 10,  
9           United States Code.

10          (2) The term “milestone decision authority”  
11          has the meaning given in section 4211 of title 10,  
12          United States Code.

13          (3) The term “major defense acquisition pro-  
14          gram” has the meaning given in section 4201 of title  
15          10, United States Code.

16          (4) The term “Milestone B approval” has the  
17          meaning given in section 4172(e) of title 10, United  
18          States Code.





1           “(B) A comparison of the essential physical  
2           characteristics and functionality between the pro-  
3           posed subsystem and the comparable commercial  
4           product in support of such assertion.

5           “(C) The national stock number (as defined in  
6           section 101-30.101-3 of title 41, Code of Federal  
7           Regulations (or a successor regulation)), if available,  
8           for the comparable commercial product and the pro-  
9           posed subsystem.”;

10           (2) in subsection (c), by adding at the end the  
11           following new paragraph:

12           “(3) With respect to components or spare parts pro-  
13           posed as commercial for which a contracting officer made  
14           a determination under paragraph (1)(B), the offeror shall  
15           provide the following information for components or spare  
16           parts proposed as commercial (as defined in section  
17           103(1) of title 41, United States Code) and that have not  
18           previously been determined commercial in accordance with  
19           section 3703(d) of this title:

20           “(A) An identification of a comparable commer-  
21           cial product that is customarily used by the general  
22           public or nongovernmental entities that serves as the  
23           basis for the assertion that the proposed components  
24           or spare parts are commercial products.

1           “(B) A comparison of the essential physical  
2 characteristics and functionality between the pro-  
3 posed components or spare parts and the com-  
4 parable commercial product in support of such as-  
5 sertion.

6           “(C) The national stock number (as defined in  
7 section 101-30.101-3 of title 41, Code of Federal  
8 Regulations (or a successor regulation)), if available,  
9 for the comparable commercial product and the pro-  
10 posed components or spare parts.”.

11       (b) MODIFICATIONS TO INFORMATION SUB-  
12 MITTED.—Section 3455(d) is amended—

13           (1) in the subsection heading, by inserting  
14 “FOR CERTAIN PROCUREMENTS” after “SUB-  
15 MITTED”;

16           (2) in paragraph (1)—

17           (A) in the matter preceding subparagraph  
18 (A), by striking “section,” and all that follows  
19 through “to submit” and inserting “section that  
20 are not subject to the exceptions in section  
21 3703(a)(1) of this title, the offeror shall be re-  
22 quired to submit to or to provide access to the  
23 contracting officer, on an unredacted basis”;

24           (B) in subparagraph (A)—

1 (i) by inserting “all” before “prices  
2 paid”; and

3 (ii) by inserting “, and the contents of  
4 such terms and conditions” after “com-  
5 mercial customers”;

6 (C) in subparagraph (B)—

7 (i) by striking “information on” and  
8 all that follows through “same or similar”  
9 and inserting “information on prices for  
10 the same or similar”;

11 (ii) by striking “conditions;” and in-  
12 serting “conditions, and the contents of  
13 such terms and conditions; and”;

14 (iii) by striking clauses (ii), (iii), and  
15 (iv).

16 (D) in subparagraph (C)—

17 (i) by striking “reasonableness of  
18 price,” and inserting the following: “rea-  
19 sonableness of price because the com-  
20 parable products provided by the offeror  
21 are not a valid basis for a price analysis,  
22 or the contracting officer determines the  
23 proposed price is not reasonable after eval-  
24 uating prices paid, the offeror shall be re-  
25 quired to provide”; and

1                   (ii) by inserting before the period at  
2                   the end the following: “, where a request  
3                   for cost data shall be approved at a level  
4                   above the contracting officer”.

1           **Subtitle A—Financial Matters**

2   **SEC. 1001 [Log 74946]. GENERAL TRANSFER AUTHORITY.**

3           (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

4                   (1) **AUTHORITY.**—Upon determination by the  
5           Secretary of Defense that such action is necessary in  
6           the national interest, the Secretary may transfer  
7           amounts of authorizations made available to the De-  
8           partment of Defense in this division for fiscal year  
9           2023 between any such authorizations for that fiscal  
10          year (or any subdivisions thereof). Amounts of au-  
11          thorizations so transferred shall be merged with and  
12          be available for the same purposes as the authoriza-  
13          tion to which transferred.

14                   (2) **LIMITATION.**—Except as provided in para-  
15          graph (3), the total amount of authorizations that  
16          the Secretary may transfer under the authority of  
17          this section may not exceed \$6,000,000,000.

18                   (3) **EXCEPTION FOR TRANSFERS BETWEEN**  
19          **MILITARY PERSONNEL AUTHORIZATIONS.**—A trans-  
20          fer of funds between military personnel authoriza-  
21          tions under title IV shall not be counted toward the  
22          dollar limitation in paragraph (2).

23           (b) **LIMITATIONS.**—The authority provided by sub-  
24          section (a) to transfer authorizations—

1           (1) may only be used to provide authority for  
2 items that have a higher priority than the items  
3 from which authority is transferred; and

4           (2) may not be used to provide authority for an  
5 item that has been denied authorization by Con-  
6 gress.

7       (c) EFFECT ON AUTHORIZATION AMOUNTS.—A  
8 transfer made from one account to another under the au-  
9 thority of this section shall be deemed to increase the  
10 amount authorized for the account to which the amount  
11 is transferred by an amount equal to the amount trans-  
12 ferred.

13       (d) NOTICE TO CONGRESS.—The Secretary shall  
14 promptly notify Congress of each transfer made under  
15 subsection (a).

1 **SEC. 1002 [Log 74947]. DETERMINATION OF BUDGETARY EF-**  
2 **FECTS.**

3       The budgetary effects of this Act, for the purpose of  
4 complying with the Statutory Pay-As-You-Go Act of 2010,  
5 shall be determined by reference to the latest statement  
6 titled “Budgetary Effects of PAYGO Legislation” for this  
7 Act, submitted for printing in the Congressional Record  
8 by the Chairman of the House Budget Committee, pro-  
9 vided that such statement has been submitted prior to the  
10 vote on passage.

## 1 **Subtitle B—Counterdrug Activities**

### 2 **SEC. 1011 [Log 74920]. EXTENSION OF AUTHORITY TO SUP-** 3 **PORT A UNIFIED COUNTERDRUG AND** 4 **COUNTERTERRORISM CAMPAIGN IN COLOM-** 5 **BIA.**

6 Section 1021 of the Ronald W. Reagan National De-  
7 fense Authorization Act for Fiscal Year 2005 (Public Law  
8 108–375; 118 Stat. 2042), as most recently amended by  
9 section 1007 of the National Defense Authorization Act  
10 for Fiscal Year 2022 (Public Law 117–81; 135 Stat.  
11 1889), is further amended—

12 (1) in subsection (a)(1), by striking “2023” and  
13 inserting “2025”; and

14 (2) in subsection (c), by striking “2023” and  
15 inserting “2025”.



1 **SEC. 1025 [Log 75569]. BUSINESS CASE ANALYSES ON DIS-**  
2 **POSITION OF CERTAIN GOVERNMENT-OWNED**  
3 **DRY-DOCKS.**

4 (a) AFDM-10.—Not later than March 1, 2023, the  
5 Secretary of the Navy shall submit to the congressional  
6 defense committees the results of a business case analysis  
7 under which the Secretary shall present a comparison of  
8 the following four options for Auxiliary Floating Dock,  
9 Medium-10 in Seattle, Washington (in this section re-  
10 ferred to as “AFDM-10”):

11 (1) The continued use of AFDM-10, in the  
12 same location and under the same lease authorities  
13 in effect on the date of the enactment of this Act.

14 (2) The relocation and use of AFDM-10 in al-  
15 ternate locations under the same lease authorities in  
16 effect on the date of the enactment of this Act.

17 (3) The relocation and use of AFDM-10 in al-  
18 ternate locations under alternative lease authorities.

19 (4) The conveyance of AFDM-10 at a fair mar-  
20 ket rate to an appropriate non-Government entity  
21 with expertise in the non-nuclear ship repair indus-  
22 try.

23 (b) GRAVING DOCK AT NAVAL BASE, SAN DIEGO.—  
24 Not later than March 1, 2023, the Secretary of the Navy  
25 shall submit to the congressional defense committees the  
26 results of a business case analysis under which the Sec-

1 retary shall present a comparison of the following two op-  
2 tions for the Government-owned graving dock at Naval  
3 Base San Diego, California:

4           (1) The continued use of such graving dock, in  
5           accordance with the utilization strategy described in  
6           the May 25, 2022 report to Congress entitled “Navy  
7           Dry Dock Strategy for Surface Ship Maintenance  
8           and Repair”.

9           (2) The lease of such graving dock to an appro-  
10          prium non-Government entity with expertise in the  
11          non-nuclear ship repair industry.

1           **Subtitle D—Counterterrorism**

2   **SEC. 1031 [Log 74887]. PROHIBITION ON USE OF FUNDS FOR**  
3                   **TRANSFER OR RELEASE OF INDIVIDUALS DE-**  
4                   **TAINED AT UNITED STATES NAVAL STATION,**  
5                   **GUANTANAMO BAY, CUBA, TO CERTAIN**  
6                   **COUNTRIES.**

7           No amounts authorized to be appropriated or other-  
8   wise made available for the Department of Defense may  
9   be used during the period beginning on the date of the  
10   enactment of this Act and ending on December 31, 2023,  
11   to transfer, release, or assist in the transfer or release of  
12   any individual detained in the custody or under the control  
13   of the Department of Defense at United States Naval Sta-  
14   tion, Guantanamo Bay, Cuba, to the custody or control  
15   of any country, or any entity within such country, as fol-  
16   lows:

- 17                   (1) Libya.
- 18                   (2) Somalia.
- 19                   (3) Syria.
- 20                   (4) Yemen.

1                   **Subtitle E—Miscellaneous**  
2                   **Authorities and Limitations**

3   **SEC. 1041 [Log 75173]. MODIFICATION OF AUTHORITY FOR**  
4                   **HUMANITARIAN DEMINING ASSISTANCE AND**  
5                   **STOCKPILED CONVENTIONAL MUNITIONS AS-**  
6                   **SISTANCE.**

7           (a) LOCATION OF ASSISTANCE.—Section 407 of title  
8 10, United States Code, is amended—

9                   (1) in subsection (a)(1)—

10                           (A) in the matter preceding subparagraph

11                           (A)—

12                                   (i) by striking “carry out” and insert-  
13                                   ing “provide”; and

14                                   (ii) by striking “in a country” and in-  
15                                   serting “to a country”; and

16                           (B) in subparagraph (A), by striking “in  
17                           which the activities are to be carried out” and  
18                           inserting “to which the assistance is to be pro-  
19                           vided”; and

20                   (2) in subsection (d)—

21                           (A) in paragraph (1)—

22                                   (i) by striking “in which” and insert-  
23                                   ing “to which”; and

24                                   (ii) by striking “carried out” and in-  
25                                   serting “provided”;

1 (B) in paragraph (2), by striking “carried  
2 out in” and inserting “provided to”;

3 (C) in paragraph (3)—

4 (i) by striking “in which” and insert-  
5 ing “to which”; and

6 (ii) by striking “carried out” and in-  
7 serting “provided”; and

8 (D) in paragraph (4), by striking “in car-  
9 rying out such assistance in each such country”  
10 and inserting “in providing such assistance to  
11 each such country”.

12 (b) EXPENSES.—Subsection (c) of such section 407  
13 is amended—

14 (1) in paragraph (2), by adding at the end the  
15 following new subparagraph:

16 “(C) Travel, transportation, and subsistence ex-  
17 penses of foreign personnel to attend training pro-  
18 vided by the Department of Defense under this sec-  
19 tion.”; and

20 (2) in paragraph (3), by striking  
21 “\$15,000,000” and inserting “\$20,000,000”.

22 (c) REPORT.—Subsection (d) of such section 407, as  
23 amended by subsection (a)(2) of this section, is further  
24 amended in the matter preceding paragraph (1), by strik-  
25 ing “include in the annual report under section 401 of

1 this title a separate discussion of” and inserting “submit  
2 to the Committee on Armed Services and the Committee  
3 on Foreign Relations of the Senate and the Committee  
4 on Armed Services and the Committee on Foreign Affairs  
5 of the House of Representatives a report on”.

## 1     **Subtitle F—Studies and Reports**

### 2     **SEC. 1061 [Log 75565]. BRIEFING ON GLOBAL FORCE MAN-** 3                   **AGEMENT ALLOCATION PLAN.**

4           Section 1074(c) of the National Defense Authoriza-  
5     tion Act for Fiscal Year 2022 (Public Law 117–81) is  
6     amended by adding at the end the following new para-  
7     graph:

8           “(4) For each major modification to global  
9           force allocation made during the preceding fiscal  
10          year that deviated from the Global Force Manage-  
11          ment Allocation Plan for that fiscal year—

12                   “(A) an analysis of the costs of such modi-  
13                   fication;

14                   “(B) an assessment of the risks associated  
15                   with such modification, including strategic  
16                   risks, operational risks, and risks to readiness;  
17                   and

18                   “(C) a description of any strategic trade-  
19                   offs associated with such modification.”.

1 **SEC. 1062 [Log 74904]. EXTENSION AND MODIFICATION OF**  
2 **REPORTING REQUIREMENT REGARDING EN-**  
3 **HANCEMENT OF INFORMATION SHARING**  
4 **AND COORDINATION OF MILITARY TRAINING**  
5 **BETWEEN DEPARTMENT OF HOMELAND SE-**  
6 **CURITY AND DEPARTMENT OF DEFENSE.**

7 Section 1014 of the National Defense Authorization  
8 Act for Fiscal Year 2017 (Public Law 114–328) is amend-  
9 ed—

10 (1) in subsection (d)(3), by striking “December  
11 31, 2023” and inserting “December 31, 2024”; and

12 (2) by adding at the end the following new sub-  
13 section:

14 “(f) QUARTERLY BRIEFINGS.—Not later than 30  
15 days after the last day of each fiscal quarter, the Secretary  
16 of Defense shall provide to the Committees on Armed  
17 Services of the Senate and House of Representatives a  
18 briefing on any assistance provided by the Department of  
19 Defense to the border security mission of the Department  
20 of Homeland Security at the international borders of the  
21 United States during the quarter covered by the briefing.  
22 Each such briefing shall include each of the elements spec-  
23 ified in subsection (d)(1)(B) for such quarter.”.



1 **SEC. 1063 [Log 75075]. CONTINUATION OF REQUIREMENT**  
2 **FOR ANNUAL REPORT ON NATIONAL GUARD**  
3 **AND RESERVE COMPONENT EQUIPMENT.**

4 (a) IN GENERAL.—Section 1080(a) of the National  
5 Defense Authorization Act for Fiscal Year 2016 (Public  
6 Law 114–92; 129 Stat. 1000; 10 U.S.C. 111 note) does  
7 not apply to the report required to be submitted to Con-  
8 gress under section 10541 of title 10, United States Code.

9 (b) CONFORMING REPEAL.—Section 1061(c) of the  
10 National Defense Authorization Act for Fiscal Year 2017  
11 (Public Law 114–328); 130 Stat. 2402; 10 U.S.C. 111  
12 note) is amended by striking paragraph (62).

1 **SEC. 1064 [Log 75483]. COMBATANT COMMAND RISK ASSESS-**  
2 **MENT FOR AIRBORNE INTELLIGENCE, SUR-**  
3 **VEILLANCE, AND RECONNAISSANCE.**

4 (a) IN GENERAL.—Not later than 60 days after the  
5 date on which the Secretary of Defense submits to Con-  
6 gress the materials in support of the budget for any fiscal  
7 year, or the date on which any of the military departments  
8 otherwise proposes to retire or otherwise divest any air-  
9 borne intelligence, surveillance, and reconnaissance capa-  
10 bilities, the Vice Chairman of the Joint Chiefs of Staff,  
11 in coordination with the commanders of each of the geo-  
12 graphic combatant commands, shall submit to the con-  
13 gressional defense committees a report containing an as-  
14 sessment of the level of operational risk to each such com-  
15 mand posed by the proposed retirement or divestment with  
16 respect to the capability of the command to meet near-  
17 , mid-, and far-term contingency and steady-state require-  
18 ments against adversaries in support of the objectives of  
19 the national defense strategy under section 113(g) of title  
20 10, United States Code.

21 (b) RISK ASSESSMENT.—In assessing levels of oper-  
22 ational risk for the purposes of subsection (a), the Vice  
23 Chairman and the commanders of the geographic combat-  
24 ant commands shall use the military risk matrix of the  
25 Chairman of the Joint Chiefs of Staff, as described in  
26 CJCS Instruction 3401.01E, or any successor instruction.

1           (c) GEOGRAPHIC COMBATANT COMMAND.—In this  
2 section, the term “geographic combatant command”  
3 means any of the following:

4           (1) United States European Command.

5           (2) United States Indo-Pacific Command.

6           (3) United States Africa Command.

7           (4) United States Southern Command.

8           (5) United States Northern Command.

9           (6) United States Central Command.

10          (d) TERMINATION.—The requirement to submit a re-  
11 port under this section shall terminate on the date that  
12 is five years after the date of the enactment of this Act.

1 **SEC. 1065 [Log 75202]. REPORTS ON EFFECTS OF STRATEGIC**  
2 **COMPETITOR NAVAL FACILITIES IN AFRICA.**

3 (a) INITIAL REPORT.—

4 (1) IN GENERAL.—Not later than May 15,  
5 2023, the Secretary of Defense shall submit to the  
6 appropriate congressional committees a report on  
7 the effects on the national security of the United  
8 States of current or planned covered naval facilities  
9 in Africa.

10 (2) ELEMENTS.—The report required under  
11 paragraph (1) shall include the following:

12 (A) An identification of—

13 (i) any location in Africa where a cov-  
14 ered naval facility has been established;  
15 and

16 (ii) any location in Africa where a cov-  
17 ered naval facility is planned for construc-  
18 tion.

19 (B) A detailed description of—

20 (i) any agreement entered into be-  
21 tween China or Russia and a country or  
22 government in Africa providing for or ena-  
23 bling the establishment or operation of a  
24 covered naval facility in Africa; and

25 (ii) any efforts by the Department of  
26 Defense to change force posture, deploy-

1                   ments, or other activities in Africa as a re-  
2                   sult of current or planned covered naval fa-  
3                   cilities in Africa.

4                   (C) An assessment of—

5                   (i) the effect that each current cov-  
6                   ered naval facility has had on United  
7                   States interests, allies, and partners in and  
8                   around Africa;

9                   (ii) the effect that each planned cov-  
10                  ered naval facility is expected to have on  
11                  United States interests, allies, and part-  
12                  ners in and around Africa;

13                  (iii) the policy objectives of China and  
14                  Russia in establishing current and future  
15                  covered naval facilities at the locations  
16                  identified under subparagraph (A); and

17                  (iv) the specific military capabilities  
18                  supported by each current or planned cov-  
19                  ered naval facility.

20                  (b) UPDATE TO REPORT.—

21                  (1) IN GENERAL.—Not later than March 1,  
22                  2024, the Secretary of Defense shall submit to the  
23                  appropriate congressional committees a report con-  
24                  taining an update to the report required under sub-  
25                  section (a).

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

3           (A) An identification of—

4                 (i) any location in Africa where a cov-  
5 ered naval facility has been established  
6 since the date of the submittal of the re-  
7 port under subsection (a); and

8                 (ii) any location in Africa where a cov-  
9 ered naval facility has been planned for  
10 construction since such date.

11          (B) A detailed description of—

12                 (i) any agreement entered into be-  
13 tween China or Russia and country or gov-  
14 ernment in Africa since such date pro-  
15 viding for or enabling the establishment of  
16 a covered naval facility in Africa; and

17                 (ii) any efforts by the Department of  
18 Defense since such date to change force  
19 posture, deployments, or other activities in  
20 Africa as a result of current or planned  
21 covered naval facilities in Africa.

22          (C) An updated assessment of—

23                 (i) the effect that each current cov-  
24 ered naval facility has had on United

1 States interests, allies, and partners in and  
2 around Africa since such date;

3 (ii) the effect that each planned cov-  
4 ered naval facility has had on United  
5 States interests, allies, and partners in and  
6 around Africa since such date;

7 (iii) the policy objectives of China and  
8 Russia, including new objectives and  
9 changes to objectives, in establishing cur-  
10 rent and future covered naval facilities at  
11 the locations identified in the report re-  
12 quired under subsection (a) or in subpara-  
13 graph (A); and

14 (iv) the specific military capabilities  
15 supported by each current or planned cov-  
16 ered naval facility at such locations, includ-  
17 ing new capabilities and changes to capa-  
18 bilities.

19 (D) A detailed description of—

20 (i) the policy of the Department of  
21 Defense surrounding strategic competitor  
22 efforts to establish and maintain covered  
23 naval facilities in Africa; and

24 (ii) any actual or planned actions  
25 taken by the Department in response to

1           such efforts and in coordination with glob-  
2           al Department priorities, as identified in  
3           the national defense strategy under section  
4           113(g) of title 10, United States Code.

5           (c) FORM.—A report required under subsection (a)  
6 or (b) shall be submitted in unclassified form without any  
7 designation relating to dissemination control, but may in-  
8 clude a classified annex.

9           (d) DEFINITIONS.—In this section:

10           (1) The term “Africa” means all countries in  
11 the area of operations of United States Africa Com-  
12 mand and Egypt.

13           (2) The term “appropriate congressional com-  
14 mittees” means—

15           (A) the Committee on Armed Services, the  
16 Committee on Foreign Affairs, and the Perma-  
17 nent Select Committee on Intelligence of the  
18 House of Representatives; and

19           (B) the Committee on Armed Services, the  
20 Committee on Foreign Relations, and the Select  
21 Committee on Intelligence of the Senate.

22           (3) The term “covered naval facility” means a  
23 naval facility owned, operated, or otherwise con-  
24 trolled by the People’s Republic of China or the Rus-  
25 sian Federation.



1           (4) The term “naval facility” means a naval  
2           base, civilian sea port with dual military uses, or  
3           other facility intended for the use of warships or  
4           other naval vessels for refueling, refitting, resupply,  
5           force projection, or other military purposes.

1 **SEC. 1067 [Log 74911]. QUARTERLY REPORTS ON OPER-**  
2 **ATION SPARTAN SHIELD.**

3 (a) **IN GENERAL.**—The Inspector General of the De-  
4 partment of Defense shall submit to the congressional de-  
5 fense committees, and make publicly available on an ap-  
6 propriate website of the Department, quarterly reports on  
7 Operation Spartan Shield in a manner consistent with sec-  
8 tion 8L of the Inspector General Act of 1978 (5 U.S.C.  
9 App.).

10 (b) **FORM OF REPORTS.**—Each report required under  
11 subsection (a) shall be submitted in unclassified form, but  
12 may contain a classified annex.

13 (c) **DEADLINE FOR FIRST REPORT.**—The Inspector  
14 General shall submit the first quarterly report required  
15 under subsection (a) by not later than 180 days after the  
16 date of the enactment of this Act.

1 **SEC. 1068 [Log 74816]. CONGRESSIONAL NOTIFICATION OF**  
2 **MILITARY INFORMATION SUPPORT OPER-**  
3 **ATIONS IN THE INFORMATION ENVIRON-**  
4 **MENT.**

5 (a) IN GENERAL.—Not later than 15 days before the  
6 Secretary of Defense exercises the authority of the Sec-  
7 retary to conduct a new military information support oper-  
8 ation in the information environment, as affirmed in sec-  
9 tion 1631(b) of the National Defense Authorization Act  
10 for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 397  
11 note), the Secretary shall provide to the appropriate con-  
12 gressional committees notice in writing of the intent to  
13 use such authority to conduct such operation.

14 (b) ELEMENTS.—A notification under subsection (a)  
15 shall include each of the following:

16 (1) A description of the type of support to be  
17 provided in the operation.

18 (2) A description of the personnel engaged in  
19 supporting or facilitating the operation.

20 (3) The amount obligated under the authority  
21 to provide support.

22 (4) The expected duration of the operation and  
23 the desired outcome of the operation.

24 (c) ANNUAL REPORT.—Not later than 90 days after  
25 the last day of any fiscal year during which the Secretary  
26 conducts a military support operation in the information

1 environment, the Secretary shall submit to the appropriate  
2 congressional committees a report on all such operations  
3 during such fiscal year. Such report shall include each of  
4 the following for each activity conducted pursuant to such  
5 an operation:

6 (1) The name of the activity.

7 (2) A description of the activity.

8 (3) The combatant command responsible for  
9 the activity.

10 (4) The desired outcome of the activity.

11 (5) The target audience for the activity.

12 (6) Any means of dissemination used in the  
13 conduct of the activity.

14 (7) The cost of conducting the activity.

15 (8) An assessment of the effectiveness of the  
16 activity.

17 (d) APPROPRIATE CONGRESSIONAL COMMITTEES.—

18 In this section, the term “appropriate congressional com-  
19 mittees” means—

20 (1) the congressional defense committees;

21 (2) the Permanent Select Committee on Intel-  
22 ligence and the Committee on Foreign Affairs of the  
23 House of Representatives; and

24 (3) the Select Committee on Intelligence and  
25 the Committee on Foreign Relations of the Senate.

1 **SEC. 1070 [Log 75555]. REPORTS ON HOSTILITIES INVOLV-**  
2 **ING UNITED STATES ARMED FORCES.**

3 (a) IN GENERAL.—Not later than 48 hours after any  
4 incident in which the United States Armed Forces are in-  
5 volved in an attack or hostilities, whether in an offensive  
6 or defensive capacity, the President shall transmit to the  
7 congressional defense committees, the Committee on For-  
8 eign Relations of the Senate, and the Committee on For-  
9 eign Affairs of the House of Representatives a report on  
10 the incident, unless the President—

11 (1) otherwise reports the incident within 48  
12 hours pursuant to section 4 of the War Powers Res-  
13 olution (50 U.S.C. 1543); or

14 (2) has determined prior to the incident, and so  
15 reported pursuant to section 1264 of the National  
16 Defense Authorization Act for Fiscal Year 2018 (50  
17 U.S.C. 1549), that the United States Armed Forces  
18 involved in the incident would be operating under  
19 specific statutory authorization within the meaning  
20 of section 5(b) of the War Powers Resolution (50  
21 U.S.C. 1544(b)).

22 (b) MATTERS TO BE INCLUDED.—Each report re-  
23 quired by subsection (a) shall include—

24 (1) the statutory and operational authorities  
25 under which the United States Armed Forces were  
26 operating when the incident occurred, including any

1 relevant executive orders and an identification of the  
2 operational activities authorized under any such ex-  
3 ecutive orders;

4 (2) the date, location, and duration of the inci-  
5 dent and the other parties involved;

6 (3) a description of the United States Armed  
7 Forces involved in the incident and the mission of  
8 such Armed Forces;

9 (4) the numbers of any combatant casualties  
10 and civilian casualties that occurred as a result of  
11 the incident; and

12 (5) any other information the President deter-  
13 mines appropriate.

14 (c) FORM.—Each report required by subsection (a)  
15 shall be submitted in unclassified form, but may include  
16 a classified annex.

1 **SEC. 1071 [Log 74912]. ANNUAL REPORT ON CIVILIAN CAS-**  
2 **UALTIES IN CONNECTION WITH UNITED**  
3 **STATES MILITARY OPERATIONS.**

4 Section 1057(b) of the National Defense Authoriza-  
5 tion Act for Fiscal Year 2018 (Public Law 115–91) is  
6 amended—

7 (1) in paragraph (1), by striking “that were  
8 confirmed, or reasonably suspected, to have resulted  
9 in civilian casualties” and inserting “that resulted in  
10 civilian casualties that have been confirmed or are  
11 reasonably suspected to have occurred”;

12 (2) in paragraph (2)—

13 (A) in subparagraph (B), by inserting “,  
14 including, to the extent practicable, geographic  
15 coordinates of any strike resulting in civilian  
16 casualties occurring as a result of the conduct  
17 of the operation.” after “location”;

18 (B) in subparagraph (D), by inserting be-  
19 fore the period the following: “, including the  
20 justification for each strike conducted as part of  
21 the operation”;

22 (C) in subparagraph (E), by inserting be-  
23 fore the period at the end the following: “, for-  
24 mulated as a range, if necessary, and including,  
25 to the extent practicable, information regarding

1 the number of men, women, and children in-  
2 volved”; and

3 (D) by adding at the end the following new  
4 subparagraphs:

5 “(F) For each strike carried out as part of  
6 the operation, an assessment of the destruction  
7 of civilian property.

8 “(G) A summary of the determination of  
9 each completed civilian casualty assessment or  
10 investigation.

11 “(H) For each investigation into an inci-  
12 dent that resulted in civilian casualties—

13 “(i) whether the Department con-  
14 ducted any witness interviews or site visits  
15 occurred, and if not, an explanation of why  
16 not; and

17 “(ii) whether information pertaining  
18 to the incident that was collected by one or  
19 more non-governmental entities was con-  
20 sidered, if such information exists.”; and

21 (3) by striking paragraph (4) and inserting the  
22 following new paragraph (4):

23 “(4) A description of any new or updated civil-  
24 ian harm policies and procedures implemented by  
25 the Department of Defense.”.



1                   **Subtitle G—Other Matters**

2   **SEC. 1081 [Log 75564]. TECHNICAL AND CONFORMING**  
3                   **AMENDMENTS.**

4           (a) TITLE 10, UNITED STATES CODE.—Title 10,  
5 United States Code, is amended as follows:

6                   (1) The table of chapters at the beginning of  
7 subtitle A is amended by striking the item relating  
8 to the second chapter 19 (relating to cyber matters).

9                   (2) Section 113 is amended—

10                           (A) in subsection (l)(2)(F), by inserting a  
11 period after “inclusion in the armed forces”;  
12 and

13                           (B) in subsection (m), by redesignating the  
14 section paragraph (8) as paragraph (9).

15                   (3) The section heading for section 2691 is  
16 amended by striking “**state**” and inserting  
17 “**State**”.

18                   (4) Section 3014 is amended by striking “sec-  
19 tion 4002(a) or 4003” and inserting “section  
20 4021(a) or 4023”.

21                   (5) Section 4423(e) is amended by striking  
22 “section 4003” and inserting “section 4023”.

23                   (6) Section 4831(a) is amended by striking  
24 “section 4002” and inserting “section 4022”.

1           (7) Section 4833(c) is amended by striking  
2           “section 4002” and inserting “section 4022”.

3           (b) NDAA FOR FISCAL YEAR 2022.—Effective as of  
4           December 27, 2021, and as if included therein as enacted,  
5           the National Defense Authorization Act for Fiscal Year  
6           2022 (Public Law 117–81) is amended as follows:

7           (1) Section 907(a) is amended by striking  
8           “116–283” and inserting “115–232”.

9           (c) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
10          FISCAL YEAR 2020.—Effective as of December 27, 2021,  
11          and as if included therein as enacted, the National De-  
12          fense Authorization Act for Fiscal Year 2020 (Public Law  
13          116–92) is amended as follows:

14          (1) Section 905 is amended—

15                  (A) in subsection (a)(2), by inserting a pe-  
16                  riod at the end; and

17                  (B) in subsection (d)(1), by striking “sub-  
18                  paragraph (B)” and inserting “paragraph (2)”.

19          (d) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
20          FISCAL YEAR 2014.—Effective as of December 27, 2021,  
21          and as if included therein as enacted, the National De-  
22          fense Authorization Act for Fiscal Year 2022 (Public Law  
23          117–81) is amended as follows:

24          (1) Section 932(c)(2)(D) of the National De-  
25          fense Authorization Act for Fiscal Year 2014 (Pub-

1       lic Law 113–66; 10 U.S.C. 2224 note) is amended  
2       by striking “of subsection (c)(3)” and inserting  
3       “paragraph (3)”.

4       (e) AUTOMATIC EXECUTION OF CONFORMING  
5 CHANGES TO TABLES OF SECTIONS, TABLES OF CON-  
6 TENTS, AND SIMILAR TABULAR ENTRIES IN DEFENSE  
7 LAWS.—

8           (1) ELIMINATION OF NEED FOR SEPARATE  
9       CONFORMING AMENDMENT.—Chapter 1 of title 10,  
10       United States Code, is amended by adding at the  
11       end the following new section:

12       **“§ 102. Effect of certain amendments on conforming**  
13               **changes to tables of sections, tables of**  
14               **contents, and similar tabular entries**

15       “(a) AUTOMATIC EXECUTION OF CONFORMING  
16 CHANGES.—When an amendment to a covered defense law  
17 adds a section or larger organizational unit to the covered  
18 defense law, repeals or transfers a section or larger organi-  
19 zational unit in the covered defense law, or amends the  
20 designation or heading of a section or larger organiza-  
21 tional unit in the covered defense law, that amendment  
22 also shall have the effect of amending any table of sec-  
23 tions, table of contents, or similar tabular entries in the  
24 covered defense law to alter the table to conform to the  
25 changes made by the amendment.

1       “(b) EXCEPTIONS.—Subsection (a) shall not apply to  
2 an amendment described in such subsection when—

3           “(1) the amendment or a clerical amendment  
4 enacted at the same time expressly amends a table  
5 of sections, table of contents, or similar tabular en-  
6 tries in the covered defense law to alter the table to  
7 conform to the changes made by the amendment; or

8           “(2) the amendment otherwise expressly ex-  
9 empts itself from the operation of this section.

10       “(c) COVERED DEFENSE LAW.—In this section, the  
11 term ‘covered defense law’ means—

12           “(1) this title;

13           “(2) titles 32 and 37;

14           “(3) any national defense authorization Act  
15 that authorizes funds to be appropriated for a fiscal  
16 year to the Department of Defense; and

17           “(4) any other law designated in the text there-  
18 of as a covered defense law for purposes of applica-  
19 tion of this section.”.

20       (2) CONFORMING AMENDMENT.—The heading  
21 of chapter 1 of title 10, United States Code, is  
22 amended to read as follows:

1 **“CHAPTER 1—DEFINITIONS, RULES OF**  
2 **CONSTRUCTION, CROSS REFERENCES,**  
3 **AND RELATED MATTERS”.**

4 (3) APPLICATION OF AMENDMENT.—Section  
5 102 of title 10, United States Code, as added by  
6 paragraph (1), shall apply to the amendments made  
7 by this section and other amendments made by this  
8 Act.

9 (f) COORDINATION WITH OTHER AMENDMENTS  
10 MADE BY THIS ACT.—For purposes of applying amend-  
11 ments made by provisions of this Act other than this sec-  
12 tion, the amendments made by this section shall be treated  
13 as having been enacted immediately before any such  
14 amendments by other provisions of this Act.

1 **SEC. 1082 [Log 75419]. RONALD V. DELLUMS MEMORIAL**  
2 **FELLOWSHIP FOR WOMEN OF COLOR IN**  
3 **STEAM.**

4 (a) ESTABLISHMENT.—The Secretary of Defense  
5 shall establish a fellowship program, which shall be known  
6 as the “Ronald V. Dellums Memorial Fellowship for  
7 Women of Color in STEAM”, to provide scholarships and  
8 internships for eligible students with high potential talent  
9 in STEAM.

10 (b) OBJECTIVES.—In carrying out the program, the  
11 Secretary shall—

12 (1) consult with institutions of higher education  
13 and relevant professional associations, nonprofit or-  
14 ganizations, and relevant defense industry represent-  
15 atives on the design of the program; and

16 (2) design the program in a manner such that  
17 the program—

18 (A) increases awareness of and interest in  
19 employment in the Department of Defense  
20 among underrepresented students in the  
21 STEAM fields, particularly women of color,  
22 who are pursuing a degree in a STEAM field;

23 (B) supports the academic careers of  
24 underrepresented students, especially women of  
25 color, in STEAM fields; and

1 (C) builds a pipeline of women of color  
2 with exemplary academic achievements in a  
3 STEAM field relevant to national security who  
4 can pursue careers in national security and in  
5 areas of national need.

6 (c) COMPONENTS.—The fellowship program shall  
7 consist of—

8 (1) a scholarship program under subsection (d);  
9 and

10 (2) an internship program under subsection (e).

11 (d) SELECTION.—

12 (1) IN GENERAL.—Each fiscal year, subject to  
13 the availability of funds, the Secretary shall seek to  
14 select at least 30 eligible students to participate in  
15 the fellowship program under this section.

16 (2) STUDENTS FROM MINORITY-SERVING INSTI-  
17 TUTIONS AND HISTORICALLY BLACK COLLEGES AND  
18 UNIVERSITIES.—The Secretary may not award fewer  
19 than 50 percent of the fellowships under this section  
20 to eligible students who attend historically Black col-  
21 leges and universities and minority-serving institu-  
22 tions.

23 (3) PRIORITY.—In awarding scholarships under  
24 this section, the Secretary shall give priority to stu-  
25 dents who are eligible to receive Federal Pell Grants

1 under section 401 of the Higher Education Act of  
2 1965 (20 U.S.C. 1070a).

3 (4) SCHOLARSHIP.—

4 (A) AWARD.—Each fellow shall receive a  
5 scholarship for each academic year of the fel-  
6 lowship program.

7 (B) AMOUNT.—The amounts of scholar-  
8 ships awarded under this section shall not ex-  
9 ceed—

10 (i) \$10,000 per student in an aca-  
11 demic year; and

12 (ii) \$40,000 per student in the aggre-  
13 gate.

14 (C) USE OF SCHOLARSHIP FUNDS.—A fel-  
15 low who receives a scholarship may only use the  
16 scholarship funds to pay for the cost of attend-  
17 ance at an institution of higher education.

18 (5) CONSIDERATION OF UNDERREPRESENTED  
19 STUDENTS IN STEAM FIELDS.—In awarding a fel-  
20 lowship under this section, the Secretary shall con-  
21 sider—

22 (A) the number and distribution of minor-  
23 ity and female students nationally in science  
24 and engineering majors;



1 (B) the projected need for highly trained  
2 individuals in all fields of science and engineer-  
3 ing;

4 (C) the present and projected need for  
5 highly trained individuals in science and engi-  
6 neering career fields in which minorities and  
7 women are underrepresented; and

8 (D) the lack of minorities and women in  
9 national security, especially in science and engi-  
10 neering fields in which such individuals are tra-  
11 ditionally underrepresented.

12 (6) STUDENT AGREEMENT.—As a condition of  
13 the receipt of a scholarship under this section, a fel-  
14 low shall agree—

15 (A) to maintain standard academic  
16 progress;

17 (B) to complete an internship described in  
18 subsection (e) in a manner that the Secretary  
19 determines is satisfactory; and

20 (C) upon completion of the degree that the  
21 student pursues while in the fellowship pro-  
22 gram, to work for the Federal Government or  
23 in the field of education in the area of study for  
24 which the scholarship or fellowship was award-  
25 ed, for a period specified by the Secretary,

1           which shall not be longer than the period for  
2           which scholarship assistance was provided to  
3           such student.

4           (7) ENFORCEMENT OF AGREEMENT.—The Sec-  
5           retary may enforce the agreement under paragraph  
6           (6) as the Secretary determines appropriate.

7           (8) DIRECT HIRE AUTHORITY.—Any appoint-  
8           ment of a fellow under paragraph (6)(C) to a posi-  
9           tion in the Federal Government shall be made with-  
10          out regard to the provisions of section 3304 and sec-  
11          tions 3309 through 3318 of title 5, United States  
12          Code.

13          (e) INTERNSHIP.—

14           (1) IN GENERAL.—The Secretary shall establish  
15           an internship program that provides each student  
16           who is awarded a fellowship under this section with  
17           an internship in a an organization or element of the  
18           Department of Defense.

19           (2) REQUIREMENTS.—Each internship shall—

20                   (A) to the extent practicable, last for a pe-  
21                   riod of at least 10 weeks;

22                   (B) include a stipend for transportation  
23                   and living expenses incurred by the fellow dur-  
24                   ing the fellowship; and

1 (C) be completed during the initial 2-year  
2 period of the fellowship.

3 (3) MENTORSHIP.—To the extent practicable,  
4 each fellow shall be paired with a mid-level or a sen-  
5 ior-level official of the relevant organization or ele-  
6 ment of the Department of Defense who shall serve  
7 as a mentor during the internship.

8 (f) DURATION AND EXTENSIONS.—

9 (1) DURATION.—Each fellowship awarded  
10 under this section shall be for a period of two years.

11 (2) EXTENSIONS.—Subject to this paragraphs  
12 (3) through (6), a fellow may apply for, and the Sec-  
13 retary may grant, a 1-year extension of the fellow-  
14 ship.

15 (3) NUMBER OF EXTENSIONS.—There shall be  
16 no limit on the number of extensions under para-  
17 graph (1) that the Secretary may grant an eligible  
18 student.

19 (4) LIMITATION ON DEGREES.—A fellow may  
20 use an extension of a fellowship under this section  
21 for the pursuit of not more than the following num-  
22 ber of graduate degrees:

23 (A) Two master's degrees, each of which  
24 must be in a STEAM field.

1 (B) One doctoral degree in a STEAM  
2 field.

3 (5) TREATMENT OF EXTENSIONS.—An exten-  
4 sion granted under this subsection does not count  
5 for the purposes of determining—

6 (A) the number of fellowships authorized  
7 to be granted for a year under subsection  
8 (d)(1); or

9 (B) the percentage of fellowships granted  
10 to eligible students for a year, as determined  
11 under subsection (d)(2).

12 (6) EXTENSION REQUIREMENTS.—A fellow may  
13 receive an extension under this subsection only if—

14 (A) the fellow is in good academic standing  
15 with the institution of higher education in  
16 which the fellow is enrolled;

17 (B) the fellow has satisfactorily completed  
18 an internship under subsection (e); and

19 (C) the fellow is currently enrolled full-  
20 time at an institution of higher education and  
21 pursuing, in a STEAM field—

22 (i) a bachelor's degree;

23 (ii) a master's degree; or

24 (iii) a doctoral degree.

1 (g) LIMITATION ON ADMINISTRATIVE COSTS.—For  
2 each academic year, the Secretary may use not more than  
3 5 percent of the funds made available to carry out this  
4 section for administrative purposes, including for purposes  
5 of—

6 (1) outreach to institutions of higher education  
7 to encourage participation in the program; and

8 (2) promotion of the program to eligible stu-  
9 dents.

10 (h) ADMINISTRATION OF PROGRAM.—The Secretary  
11 may appoint a lead program officer to administer the pro-  
12 gram and to market the program among students and in-  
13 stitutions of higher education.

14 (i) REPORTS.—Not later than 2 years after the date  
15 on which the first fellowship is awarded under this section,  
16 and each academic year thereafter, the Secretary of De-  
17 fense shall submit to the appropriate congressional com-  
18 mittees a report containing—

19 (1) a description and analysis of the demo-  
20 graphic information of students who receive fellow-  
21 ships under this section, including information with  
22 respect to such students regarding—

23 (A) race, in the aggregate and  
24 disaggregated by the same major race groups  
25 as the decennial census of the population;

1 (B) ethnicity;

2 (C) gender identity;

3 (D) eligibility to receive a Federal Pell  
4 Grant under section 401 of the Higher Edu-  
5 cation Act of 1965 (20 U.S.C. 1070a); and

6 (E) in the case of graduate students,  
7 whether the students would be eligible to receive  
8 a Federal Pell Grant under section 401 of the  
9 Higher Education Act of 1965 (20 U.S.C.  
10 1070a) if they were studying at the under-  
11 graduate level;

12 (2) an analysis of the effects of the program;

13 (3) a description of—

14 (A) the total number of students who ob-  
15 tain a degree with fellowship funds each year;  
16 and

17 (B) the type and total number of degrees  
18 obtained by fellows; and

19 (4) recommendations for changes to the pro-  
20 gram and to this section to ensure that women of  
21 color are being effectively served by such program.

22 (j) DEFINITIONS.—In this section:

23 (1) The term “appropriate congressional com-  
24 mittees” means—

25 (A) the congressional defense committees;

1 (B) the Committee on Help, Education,  
2 Labor, and Pensions of the Senate; and

3 (C) the Committee on Education and  
4 Labor of the House of Representatives.

5 (2) The term “cost of attendance” has the  
6 meaning given that term in section 472 of the High-  
7 er Education Act of 1965 (20 U.S.C. 1087II).

8 (3) The term “eligible student” means an indi-  
9 vidual who—

10 (A) submits an application for a fellowship  
11 under this section;

12 (B) is enrolled, or will be enrolled for the  
13 first year for which the student applies for a  
14 fellowship, in either the third or fourth year of  
15 a four-year academic program; and

16 (C) is enrolled, or will be enrolled for the  
17 first year for which the student applies for a  
18 fellowship, in an institution of higher education  
19 on at least a half-time basis.

20 (4) The term “fellow” means a student that  
21 was selected for the fellowship program under sub-  
22 section (d).

23 (5) The term “historically Black college or uni-  
24 versity” has the meaning given the term “part B in-

1       stitution” in section 322 of the Higher Education  
2       Act of 1965 (20 U.S.C. 1061).

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

6           (7) The term “minority-serving institution”  
7       means an institution specified in section 371(a) of  
8       the Higher Education Act of 1965 (20 U.S.C.  
9       1067q(a)).

10          (8) The term “STEAM” means science, tech-  
11       nology, engineering, arts, and mathematics.

12          (9) The term “underrepresented student in a  
13       STEAM field” means a student who is a member of  
14       a minority group for which the number of individ-  
15       uals in such group who receive bachelor’s degrees in  
16       STEAM fields per 10,000 individuals in such group  
17       is substantially fewer than the number of White,  
18       non-Hispanic individuals who receive bachelor’s de-  
19       grees in STEAM fields per 10,000 such individuals.



1 **SEC. 1083 [Log 75163]. COMBATING MILITARY RELIANCE ON**  
2 **RUSSIAN ENERGY.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that—

5 (1) reliance on Russian energy poses a critical  
6 challenge for national security activities in area of  
7 responsibility of the United States European Com-  
8 mand; and

9 (2) in order to reduce the vulnerability of  
10 United States military facilities to disruptions  
11 caused by reliance on Russian energy, the Depart-  
12 ment of Defense should establish and implement  
13 plans to reduce reliance on Russian energy for all  
14 main operating bases in area of responsibility of the  
15 United States European Command.

16 (b) ELIMINATING USE OF RUSSIAN ENERGY.—It  
17 shall be the goal of the Department of Defense to elimi-  
18 nate the use of Russian energy on each main operating  
19 base in the area of responsibility of the United States Eu-  
20 ropean Command by not later than five years after the  
21 date of the completion of an installation energy plan for  
22 such base, as required under this section.

23 (c) INSTALLATION ENERGY PLANS FOR MAIN OPER-  
24 ATING BASES.—

25 (1) IDENTIFICATION OF INSTALLATIONS.—Not  
26 later than June 1, 2023, the Secretary of Defense

1 shall submit to the congressional defense committees  
2 a list of main operating bases within the area of re-  
3 sponsibility of the United States European Com-  
4 mand ranked according to mission criticality and  
5 vulnerability to energy disruption.

6 (2) SUBMITTAL OF PLANS.—Not later than 12  
7 months after the date of the enactment of this Act,  
8 the Secretary of Defense shall submit to the con-  
9 gressional defense committees—

10 (A) an installation energy plan for each  
11 main operating base on the list submitted under  
12 paragraph (1); and

13 (B) an assessment of the feasibility of  
14 reaching the goal for the elimination of the use  
15 of Russian energy pursuant to subsection (b) on  
16 that base, including—

17 (i) a description of the steps that  
18 would be required to meet such goal; and

19 (ii) an analysis of the effects such  
20 steps would have on the national security  
21 of the United States.

22 (d) CONTENT OF PLANS.—Each installation energy  
23 plan for a main operating base shall include each of the  
24 following with respect to that base:

1           (1) An assessment of the energy resilience re-  
2           quirements, resiliency gaps, and energy-related cy-  
3           bersecurity requirements of the base, including with  
4           respect to operational technology, control systems,  
5           and facilities-related control systems.

6           (2) An identification of investments in tech-  
7           nology required to improve energy resilience, reduce  
8           demand, strengthen energy conservation, and sup-  
9           port mission readiness.

10          (3) An identification of investments in infra-  
11          structure, including microgrids, required to strength-  
12          en energy resilience and mitigate risk due to grid  
13          disturbance.

14          (4) Recommendations related to opportunities  
15          for the use of renewable energy, clean energy, nu-  
16          clear energy, and energy storage projects to reduce  
17          dependence on natural gas.

18          (5) An assessment of how the requirements and  
19          recommendations included pursuant to paragraphs  
20          (2) through (4) interact with the energy policies of  
21          the country where the base is located, both at  
22          present and into the future.

23          (e) IMPLEMENTATION OF PLANS.—

24           (1) DEADLINE FOR IMPLEMENTATION.—Not  
25          later than 30 days after the date on which the Sec-

1       retary submits an installation energy plan for a base  
2       under subsection (c)(2), the Secretary shall—

3               (A) begin implementing the plan; and

4               (B) provide to the congressional defense  
5       committees a briefing on the contents of the  
6       plan and the strategy of the Secretary for im-  
7       plementing the mitigation measures identified  
8       in the plan.

9       (2) PRIORITIZATION OF CERTAIN PROJECTS.—

10      In implementing an installation energy plan for a  
11      base under this section, the Secretary shall prioritize  
12      projects requested under section 2914 of title 10,  
13      United States Code, to mitigate assessed risks and  
14      improve energy resilience, energy security, and en-  
15      ergy conservation at the base.

16      (3) NONAPPLICATION OF CERTAIN OTHER AU-  
17      THORITIES.—Subsection (d) of section 2914 of title  
18      10, United States Code, shall not apply with respect  
19      to any project carried out pursuant to this section  
20      or pursuant to an installation energy plan for a base  
21      under this section.

22      (f) POLICY FOR FUTURE BASES.—The Secretary of  
23      Defense shall establish a policy to ensure that any new  
24      military base in the area of responsibility of the United  
25      States European Command is established in a manner

1 that proactively includes the consideration of energy secu-  
2 rity, energy resilience, and mitigation of risk due to energy  
3 disruption.

4 (g) ANNUAL CONGRESSIONAL BRIEFINGS.—The Sec-  
5 retary of Defense shall provide to the congressional de-  
6 fense committees annual briefings on the installation en-  
7 ergy plans required under this section. Such briefings shall  
8 include an identification of each of the following:

9 (1) The actions each main operating base is  
10 taking to implement the installation energy plan for  
11 that base.

12 (2) The progress that has been made toward re-  
13 ducing the reliance of United States bases on Rus-  
14 sian energy.

15 (3) The steps being taken and planned across  
16 the future-years defense program to meet the goal of  
17 eliminating reliance on Russian energy.

1 **SEC. 1084 [Log 74913]. COMMISSION ON CIVILIAN HARM.**

2 (a) ESTABLISHMENT.—There is hereby established a  
3 commission, to be known as the “Commission on Civilian  
4 Harm” (in this section referred to as the “Commission”).

5 (b) RESPONSIBILITIES.—

6 (1) GENERAL RESPONSIBILITIES.—The Com-  
7 mission shall carry out a study of the following:

8 (A) Civilian harm resulting from, or inci-  
9 dental to, the use of force by the United States  
10 Armed Forces that occurred during the period  
11 of inquiry.

12 (B) The policies, procedures, rules, and  
13 regulations of the Department of Defense for  
14 the prevention of, mitigation of, and response to  
15 civilian harm that were in effect during the pe-  
16 riod of inquiry.

17 (2) PARTICULAR DUTIES.—In carrying out the  
18 general responsibilities of the Commission under  
19 paragraph (1), the Commission shall carry out the  
20 following:

21 (A) Conduct an investigation into the  
22 record of the United States with respect to ci-  
23 vilian harm during the period of inquiry, includ-  
24 ing by investigating a representative sample of  
25 incidents of civilian harm that occurred where  
26 the United States used military force (including

1 incidents confirmed by media and civil society  
2 organizations and dismissed by the Department  
3 of Defense) by conducting hearings, witness  
4 interviews, document and evidence review, and  
5 site visits, when practicable.

6 (B) Identify the recurring causes of civil-  
7 ian harm, as well as the factors contributing to  
8 civilian harm, resulting from the use of force by  
9 United States Armed Forces during the period  
10 of inquiry and assess whether such causes and  
11 factors could be addressed and, if so, whether  
12 they were resolved.

13 (C) Assess the extent to which the United  
14 States Armed Forces have implemented the rec-  
15 ommendations of Congress, the Department of  
16 Defense, other Government agencies, or civil so-  
17 ciety organizations, or the recommendations  
18 contained in studies sponsored or commissioned  
19 by the United States Government, with respect  
20 to the protection of civilians and efforts to min-  
21 imize, investigate, and respond to civilian harm  
22 resulting from, or incidental to, United States  
23 military operations.

24 (D) Assess the responsiveness of the De-  
25 partment of Defense to incidents of civilian

1           harm and the practices for responding to such  
2 incidents, including—

3                   (i) assessments;

4                   (ii) investigations;

5                   (iii) acknowledgment; and

6                   (iv) the provision of compensation  
7 payments, including the use of congress-  
8 sionally authorized ex gratia payments, as-  
9 sistance, and other responses.

10           (E) Assess the extent to which the United  
11 States Armed Forces comply with the rules,  
12 procedures, policies, memoranda, directives, and  
13 doctrine of the Department of Defense for pre-  
14 venting, mitigating, and responding to civilian  
15 harm.

16           (F) Assess the extent to which the policies,  
17 protocols, procedures, and practices of the De-  
18 partment of Defense for preventing, mitigating,  
19 and responding to civilian harm comply with  
20 applicable international humanitarian law, ap-  
21 plicable international human rights law, and  
22 United States law, including the Uniform Code  
23 of Military Justice.



1 (G) Assess incidents of civilian harm that  
2 occurred, or allegedly occurred, during the pe-  
3 riod of inquiry, by—

4 (i) determining whether any such inci-  
5 dents were concealed, and if so by assess-  
6 ing the actions taken to conceal;

7 (ii) assessing the policies and proce-  
8 dures for whistle-blowers to report such in-  
9 cidents;

10 (iii) determining the extent of the re-  
11 sponsiveness and effectiveness of Inspector  
12 General oversight, as applicable, regarding  
13 reports of incidents of civilian harm; and

14 (iv) assessing the accuracy of the  
15 United States Government public civilian  
16 casualty estimates.

17 (H) Assess the short-, medium-, and long-  
18 term consequences of incidents of civilian harm  
19 that occurred during the period of inquiry on—

20 (i) the affected communities, including  
21 humanitarian consequences;

22 (ii) the strategic interests of the  
23 United States; and

24 (iii) the foreign policy goals and objec-  
25 tives of the United States.

1 (I) Assess the extent to which the Depart-  
2 ment of Defense Instruction on Responding to  
3 Civilian Harm in Military Operations, as re-  
4 quired by section 936 of the John S. McCain  
5 National Defense Authorization Act for Fiscal  
6 Year 2019 (Public Law 115–232; 10 U.S.C.  
7 134 note), addresses issues identified during  
8 the investigation of the Commission and what  
9 further measures are needed to address issues  
10 that the Commission identifies during its oper-  
11 ations.

12 (J) Assess the extent to which United  
13 States diplomatic goals and objectives were af-  
14 fected by the incidents of civilian harm during  
15 the period of inquiry.

16 (c) AUTHORITIES.—

17 (1) SECURITY CLEARANCES.—The appropriate  
18 Federal departments or agencies shall cooperate  
19 with the Commission in expeditiously providing to  
20 the members and staff of the Commission appro-  
21 priate security clearances, to the extent possible,  
22 pursuant to existing procedures and requirements.  
23 No person shall be provided with access to classified  
24 information under this section without the appro-  
25 priate security clearances.

1           (2) HEARINGS AND EVIDENCE.—The Commis-  
2           sion or, on the authority of the Commission, any  
3           portion thereof, may, for the purpose of carrying out  
4           this section—

5                   (A) hold such hearings and sit and act at  
6                   such times and places, take such testimony, re-  
7                   ceive such evidence, and administer such oaths  
8                   as the Commission, or such portion thereof,  
9                   may determine advisable; and

10                   (B) provide for the attendance and testi-  
11                   mony of such witnesses and the production of  
12                   such books, records, correspondence, memo-  
13                   randa, papers, and documents as the Commis-  
14                   sion, or such portion thereof, may determine  
15                   advisable.

16           (3) INABILITY TO OBTAIN DOCUMENTS OR TES-  
17           TIMONY.—In the event that the Commission is un-  
18           able to obtain testimony or documents needed to  
19           conduct its work, the Commission shall notify the  
20           congressional defense committees and appropriate  
21           investigative authorities.

22           (4) ACCESS TO INFORMATION.—The Commis-  
23           sion may secure directly from the Department of  
24           Defense any information or assistance that the Com-  
25           mission considers necessary to enable the Commis-

1 sion to carry out the requirements of this section.  
2 Upon receipt of a request of the Commission for in-  
3 formation or assistance, the Secretary of Defense  
4 shall furnish such information or assistance expedi-  
5 tiously to the Commission. Whenever information or  
6 assistance requested by the Commission is unreason-  
7 ably refused or not provided, the Commission shall  
8 report the circumstances to Congress without delay.

9 (d) COMPOSITION.—

10 (1) NUMBER AND APPOINTMENT.—The Com-  
11 mission shall be composed of 12 members who are  
12 civilian individuals not employed by the Federal Gov-  
13 ernment.

14 (2) MEMBERSHIP.—The members shall be ap-  
15 pointed as follows:

16 (A) The Majority Leader and the Minority  
17 Leader of the Senate shall each appoint one  
18 member.

19 (B) The Speaker of the House of Rep-  
20 resentatives and the Minority Leader shall each  
21 appoint one member.

22 (C) The Chair and the Ranking Member of  
23 the Committee on Armed Services of the Senate  
24 shall each appoint one member.

1           (D) The Chair and the Ranking Member  
2           of the Committee on Armed Services of the  
3           House of Representatives shall each appoint  
4           one member.

5           (E) The Chair and the Ranking Member of  
6           the Committee on Appropriations of the Senate  
7           shall each appoint one member.

8           (F) The Chair and Ranking Member of the  
9           Committee on Appropriations of the House of  
10          Representatives shall each appoint one member.

11          (3) CHAIR AND VICE CHAIR.—The Commission  
12          shall elect a Chair and Vice Chair from among its  
13          members.

14          (4) DEADLINE FOR APPOINTMENT.—Members  
15          shall be appointed to the Commission under para-  
16          graph (1) not later than 90 days after the date of  
17          the enactment of this Act.

18          (5) NONGOVERNMENTAL APPOINTEES.—An in-  
19          dividual appointed to serve as a member of the Com-  
20          mission may not be an officer or employee of the  
21          Federal Government or of any State or local govern-  
22          ment or a member of the United States Armed  
23          Forces serving on active duty.

24          (e) MEETINGS.—

1           (1) INITIAL MEETING.—The Commission shall  
2 meet and begin the operations of the Commission  
3 not later than 120 days after the date of the enact-  
4 ment of this Act.

5           (2) QUORUM; VACANCIES.—After its initial  
6 meeting, the Commission shall meet upon the call of  
7 the Chair or a majority of its members. Five mem-  
8 bers of the Commission shall constitute a quorum.  
9 Any vacancy in the Commission shall not affect its  
10 powers, but shall be filled in the same manner in  
11 which the original appointment was made.

12          (f) STAFFING.—

13           (1) APPOINTMENT AND COMPENSATION.—The  
14 Chair, in accordance with rules agreed upon by the  
15 Commission, may appoint and fix the compensation  
16 of a staff director and such other personnel as may  
17 be necessary to enable the Commission to carry out  
18 its functions, without regard to the provisions of  
19 title 5, United States Code, governing appointments  
20 in the competitive service, and without regard to the  
21 provisions of chapter 51 and subchapter III of chap-  
22 ter 53 of such title relating to classification and  
23 General Schedule pay rates, except that no rate of  
24 pay fixed under this paragraph may exceed the  
25 equivalent of that payable for a position at level V

1 of the Executive Schedule under section 5316 of title  
2 5, United States Code.

3 (2) PERSONNEL.—The Commission shall have  
4 the authorities provided in section 3161 of title 5,  
5 United States Code, and shall be subject to the con-  
6 ditions set forth in such section, except to the extent  
7 that such conditions would be inconsistent with the  
8 requirements of this section.

9 (3) PERSONNEL AS FEDERAL EMPLOYEES.—

10 (A) IN GENERAL.—The staff director and  
11 any personnel of the Commission who are em-  
12 ployees shall be employees under section 2105  
13 of title 5, United States Code, for purposes of  
14 chapters 63, 81, 83, 84, 85, 87, 89, and 90 of  
15 that title.

16 (B) MEMBERS OF COMMISSION.—Subpara-  
17 graph (A) shall not be construed to apply to  
18 members of the Commission.

19 (4) QUALIFICATIONS.—Commission personnel  
20 should have experience and expertise in areas includ-  
21 ing—

22 (A) international humanitarian law;

23 (B) human rights law;

24 (C) investigations;

25 (D) humanitarian response;

1 (E) United States military operations;

2 (F) national security policy;

3 (G) the languages, histories, and cultures  
4 of regions that have experienced civilian harm  
5 during the period of inquiry; and

6 (H) other such areas the members of the  
7 Commission determine necessary to carry out  
8 the responsibilities of the Commission under  
9 subsection (b).

10 (5) CONTRACTING.—The Commission may, to  
11 such extent and in such amounts as are provided in  
12 appropriation Acts, enter into contracts to enable  
13 the Commission to discharge its duties under this  
14 section.

15 (6) CONSULTANT SERVICES.—The Commission  
16 is authorized to procure the services of experts and  
17 consultants in accordance with section 3109 of title  
18 5, United States Code, but at rates not to exceed the  
19 daily rate paid a person occupying a position at level  
20 IV of the Executive Schedule under section 5315 of  
21 title 5, United States Code.

22 (g) REPORTS.—

23 (1) INTERIM REPORT.—Not later than June 1,  
24 2024, the Commission shall submit to the appro-  
25 priate congressional committees an interim report on



1 the study referred to in subsection (b)(1), including  
2 the results and findings of such study as of that  
3 date.

4 (2) OTHER REPORTS.—The Commission may,  
5 from time to time, submit to the appropriate con-  
6 gressional committees such other reports on such  
7 study as the Commission considers appropriate.

8 (3) FINAL REPORT.—Not later than two years  
9 after the date of the appointment of all of the mem-  
10 bers of the Commission under subsection (d), the  
11 Commission shall submit to the appropriate congres-  
12 sional committees a final report on such study. The  
13 report shall include—

14 (A) the findings of the Commission; and

15 (B) recommendations based on the find-  
16 ings of the Commission to improve the preven-  
17 tion, mitigation, assessment, and investigation  
18 of incidents of civilian harm.

19 (4) PUBLIC AVAILABILITY.—The Commission  
20 shall make publicly available on an appropriate  
21 internet website an unclassified version of each re-  
22 port submitted by the Commission under this sub-  
23 section and shall ensure that such versions are mini-  
24 mally redacted only for legitimately classified infor-  
25 mation.

1 (h) DEFINITIONS.—In this section:

2 (1) The term “appropriate congressional com-  
3 mittees” means—

4 (A) the congressional defense committees;

5 (B) the Committee on Foreign Affairs, the  
6 Committee on Oversight and Reform, the Com-  
7 mittee on Transportation and Infrastructure,  
8 and the Permanent Select Committee on Intel-  
9 ligence of the House of Representatives; and

10 (C) the Committee on Foreign Relations,  
11 the Committee on Homeland Security and Gov-  
12 ernmental Affairs, the Committee on Com-  
13 merce, Science, and Transportation, and the  
14 Select Committee on Intelligence of the Senate.

15 (2) The term “civilian harm” means—

16 (A) the death or injury of a civilian; or

17 (B) destruction of civilian property.

18 (3) The term “period of inquiry” means the pe-  
19 riod beginning on the date of the enactment of the  
20 Authorization for Use of Military Force (Public Law  
21 107–40; 50 U.S.C. 1541 note) and ending on the  
22 date of the enactment of the National Defense Au-  
23 thorization Act for Fiscal Year 2023.

1 **SEC. 1085 [Log 74914]. DEPARTMENT OF DEFENSE CENTER**  
2 **FOR EXCELLENCE IN CIVILIAN HARM MITI-**  
3 **GATION.**

4 (a) CENTER FOR EXCELLENCE IN CIVILIAN HARM  
5 MITIGATION.—

6 (1) IN GENERAL.—Chapter 7 of title 10, United  
7 States Code, is amended by inserting after section  
8 183a the following new section:

9 **“§ 184. Center for Excellence in Civilian Harm Mitiga-**  
10 **tion**

11 “(a) ESTABLISHMENT.—The Secretary of Defense  
12 shall operate a Center for Excellence in Civilian Harm  
13 Mitigation. The purpose of the center shall be to institu-  
14 tionalize and advance knowledge, practices, and tools for  
15 preventing, mitigating, and responding to civilian harm.

16 “(b) PURPOSE.—The Center shall be used to—

17 “(1) develop more standardized civilian-harm  
18 operational reporting and data management proc-  
19 esses to improve data collection, sharing, and learn-  
20 ing to enable the Department of Defense to better  
21 learn from disparate investigations and events;

22 “(2) develop, recommend, and review guidance,  
23 and the implementation of guidance, on how the De-  
24 partment responds to civilian harm;

25 “(3) develop recommended guidance for ad-  
26 dressing civilian harm across the full spectrum of

1 armed conflict and for use in doctrine and oper-  
2 ational plans;

3 “(4) develop and recommend training and exer-  
4 cises for the prevention and investigation of civilian  
5 harm;

6 “(5) develop a repository of civilian casualty  
7 and civilian harm information; and

8 “(6) perform such other functions as the Sec-  
9 retary of Defense may specify.

10 “(c) ANNUAL REPORT.—The Secretary of Defense  
11 shall submit to the congressional defense committees, and  
12 make publicly available on an appropriate website of the  
13 Department, an annual report on the activities of the Cen-  
14 ter.”.

15 (2) CLERICAL AMENDMENT.—The table of sec-  
16 tions at the beginning of such chapter is amended  
17 by inserting after the item relating to section 183a  
18 the following new item:

“184. Center for Excellence in Civilian Harm Mitigation.”.

19 (b) DEADLINE FOR ESTABLISHMENT.—The Center  
20 for Excellence in Civilian Harm Mitigation, as required  
21 under section 184 of title 10, United States Code, as  
22 added by subsection (a), shall be established by not later  
23 than 90 days after the date of the enactment of this Act.

24 (c) REPORT TO CONGRESS.—Not later than 90 days  
25 after the date of the enactment of this Act, the Secretary

1 of Defense shall submit to the congressional defense com-  
2 mittees a report on the establishment of such Center for  
3 Excellence in Civilian Harm Mitigation.

1 **SEC. 1104. [LOG 75315] TEMPORARY EXTENSION OF AU-**  
2 **THORITY TO PROVIDE SECURITY FOR**  
3 **FORMER DEPARTMENT OF DEFENSE OFFI-**  
4 **CIALS.**

5 During the period beginning on the date of enactment  
6 of this Act and ending on January 1, 2024, subsection  
7 (b) of section 714 of title 10, United States Code, shall  
8 be applied—

9 (1) in paragraph (1)(A), by substituting “a se-  
10 rious and credible threat” for “an imminent and  
11 credible threat”;

12 (2) in paragraph (2)(B), by substituting “three  
13 years” for “two years”; and

14 (3) in paragraph (6)(A), by substituting—

15 (A) “congressional leadership and the con-  
16 gressional defense committees” for “the con-  
17 gressional defense committees”; and

18 (B) by substituting “the justification for  
19 such determination, scope of the protection, and  
20 the anticipated cost and duration of such pro-  
21 tection” for “the justification for such deter-  
22 mination”.

1                   **Subtitle A—Assistance and**  
2                   **Training**

3   **SEC. 1201. [LOG 74938] MODIFICATIONS TO ANNUAL RE-**  
4                   **PORTS ON SECURITY COOPERATION.**

5           (a) DEFENSE INSTITUTION CAPACITY BUILDING.—  
6 Section 332(b)(2) of title 10, United States Code, is  
7 amended—

8                   (1) by striking “quarter” each place it appears;  
9           and

10                   (2) by striking “Each fiscal year” and inserting  
11           “Not later than February 1 of each year”.

12           (b) ANNUAL REPORT ON SECURITY COOPERATION  
13 ACTIVITIES.—Section 386 of title 10, United States Code,  
14 is amended to read as follows:

15   **“§ 386. Annual report**

16           “(a) ANNUAL REPORT REQUIRED.—Not later than  
17 March 31 of each year, the Secretary of Defense shall sub-  
18 mit to the appropriate congressional committees a report  
19 that sets forth, on a country-by-country basis, an overview  
20 of security cooperation activities carried out by the De-  
21 partment of Defense during the fiscal year preceding the  
22 fiscal year in which such report is submitted, pursuant to  
23 one or more of the authorities listed in subsection (b).

24           “(b) ELEMENTS OF REPORT.—Each report required  
25 under subsection (a) shall include, with respect to each

1 country and for the entirety of the period covered by such  
2 report, the following:

3 “(1) A narrative summary that provides a—

4 “(A) brief overview of the primary security  
5 cooperation objectives for the activities encom-  
6 passed by the report; and

7 “(B) a description of how such activities  
8 advance the theater security cooperation strat-  
9 egy of the relevant geographic combatant com-  
10 mand.

11 “(2) A table that includes an aggregated  
12 amount with respect to each of the following:

13 “(A) With respect to amounts made avail-  
14 able for section 332(a) of this title, the Depart-  
15 ment of Defense cost to provide any Depart-  
16 ment personnel as advisors to a ministry of de-  
17 fense.

18 “(B) With respect to amounts made avail-  
19 able for section 332(b) of this title, the Depart-  
20 ment of Defense incremental execution costs to  
21 conduct activities under such section.

22 “(C) With respect to section 333 of this  
23 title, the value of all programs for which notice  
24 is required by such section.



1           “(D) With respect to amounts made avail-  
2           able for section 341 of this title, the Depart-  
3           ment of Defense manpower and travel costs to  
4           conduct bi-lateral state partnership program en-  
5           agements with the partner country.

6           “(E) With respect to amounts made avail-  
7           able for section 342 of this title, the Depart-  
8           ment of Defense-funded, foreign-partner travel  
9           costs to attend a regional center activity that  
10          began during the period of the report.

11          “(F) With respect to amounts made avail-  
12          able for section 345 of this title, the estimated  
13          Department of Defense execution cost to com-  
14          plete all training that began during the period  
15          of the report.

16          “(G) With respect to amounts made avail-  
17          able for section 2561 of this title, the planned  
18          execution cost of completing humanitarian as-  
19          sistance activities for the partner country that  
20          were approved for the period of the report.

21          “(3) A table that includes aggregated totals for  
22          each of the following:

23                  “(A) Pursuant to section 311 of this title,  
24                  the number of personnel from a partner country

1 assigned to a Department of Defense organiza-  
2 tion.

3 “(B) Pursuant to section 332(a) of this  
4 title, the number of Department of Defense per-  
5 sonnel assigned as advisors to a ministry of de-  
6 fense.

7 “(C) Pursuant to section 332(b) of this  
8 title, the number of activities conducted by the  
9 Department of Defense.

10 “(D) The number of new programs carried  
11 out during the period of the report that re-  
12 quired notice under section 333 of this title.

13 “(E) With respect to section 341 of this  
14 title, the number of Department of Defense bi-  
15 lateral state partnership program engagements  
16 with the partner country that began during the  
17 period of the report.

18 “(F) With respect to section 342 of this  
19 title, the number of partner country officials  
20 who participated in regional center activity that  
21 began during the period of the report.

22 “(G) Pursuant to the authorities under  
23 sections 343, 345, 348, 349, 350 and 352 of  
24 this title, the total number of partner country

1 personnel who began training during the period  
2 of the report.

3 “(H) Pursuant to section 347 of this title,  
4 the number of cadets from the partner country  
5 that were enrolled in the Service Academies  
6 during the period of the report.

7 “(I) Pursuant to amounts made available  
8 to carry out section 2561 of this title, the num-  
9 ber of new humanitarian assistance projects  
10 funded through the Overseas Humanitarian  
11 Disaster and Civic Aid account that were ap-  
12 proved during the period of the required report.

13 “(4) A table that includes the following:

14 “(A) For each person from the partner  
15 country assigned to a Department of Defense  
16 organization pursuant to section 311 of this  
17 title—

18 “(i) whether the person is a member  
19 of the armed forces or a civilian;

20 “(ii) the rank of the person (if appli-  
21 cable); and

22 “(iii) the component of the Depart-  
23 ment of Defense and location to which  
24 such person is assigned.

1           “(B) With respect to each civilian em-  
2           ployee of the Department of Defense or member  
3           of the armed forces that was assigned, pursuant  
4           to section 332(a) of this title, as an advisor to  
5           a ministry of defense during the period of the  
6           report, a description of the object of the De-  
7           partment of Defense for such support and the  
8           name of the ministry or regional organization to  
9           which the employee or member was assigned.

10           “(C) With respect to each activity com-  
11           menced under section 332(b) of this title during  
12           the period of the report—

13                   “(i) the name of the supported min-  
14                   istry or regional organization;

15                   “(ii) the component of the Depart-  
16                   ment of Defense that conducted the activ-  
17                   ity;

18                   “(iii) the duration of the activity; and

19                   “(iv) a description of the objective of  
20                   the activity.

21           “(D) For each program that required no-  
22           tice to Congress under section 333 of this title  
23           during the period of the report—

1 “(i) the units of the national security  
2 forces of the foreign country to which as-  
3 sistance was provided;

4 “(ii) the type of operational capability  
5 assisted;

6 “(iii) a description of the nature of  
7 the assistance being provided; and

8 “(iv) the estimated cost included in  
9 the notice provided for such assistance.

10 “(E) With respect to each activity com-  
11 menced under section 341 of this title during  
12 the period of the report—

13 “(i) a description of the activity;

14 “(ii) the duration of the activity;

15 “(iii) the number of participating  
16 members of the National Guard; and

17 “(iv) the number of participating per-  
18 sonnel of the foreign country.

19 “(F) With respect to each activity of a Re-  
20 gional Center for Security Studies commenced  
21 under section 342 of this title during the period  
22 of the report—

23 “(i) a description of the activity;

24 “(ii) the name of the Regional Center  
25 that sponsored the activity;

1 “(iii) the location and duration of the  
2 training; and

3 “(iv) the number of officials from the  
4 foreign country who participated in the ac-  
5 tivity.

6 “(G) With respect to each training event  
7 that commenced under section 343, 345, 348,  
8 349, 350, or 352 of this title during the period  
9 of the report—

10 “(i) a description of the training;

11 “(ii) the location and duration of the  
12 training; and

13 “(iii) the number of personnel of the  
14 foreign country trained.

15 “(H) With respect to each new project ap-  
16 proved under section 2561 of this title during  
17 the period of the report and funded through the  
18 Overseas Humanitarian Disaster and Civic Aid  
19 account—

20 “(i) the title of the project;

21 “(ii) a description of the assistance to  
22 be provided; and

23 “(iii) the anticipated cost to provide  
24 such assistance.”.

1 **SEC. 1202. [LOG 75425] MODIFICATION TO AUTHORITY TO**  
2 **PROVIDE SUPPORT FOR CONDUCT OF OPER-**  
3 **ATIONS.**

4 Notwithstanding subsection (g)(1) of section 331 of  
5 title 10, United States Code, the aggregate value of all  
6 logistic support, supplies, and services provided under  
7 paragraphs (1), (4), and (5) of subsection (c) of such sec-  
8 tion 331 in each of fiscal years 2023 and 2024 may not  
9 exceed \$950,000,000.

1 **SEC. 1203. [LOG 74902] EXTENSION AND MODIFICATION OF**  
2 **AUTHORITY FOR REIMBURSEMENT OF CER-**  
3 **TAIN COALITION NATIONS FOR SUPPORT**  
4 **PROVIDED TO UNITED STATES MILITARY OP-**  
5 **ERATIONS.**

6 Section 1233 of the National Defense Authorization  
7 Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat.  
8 393) is amended—

9 (1) in subsection (a), by striking “for the period  
10 beginning on October 1, 2021, and ending on De-  
11 cember 31, 2022” and inserting “for the period be-  
12 ginning on October 1, 2022, and ending on Decem-  
13 ber 31, 2023”; and

14 (2) in subsection (d)—

15 (A) by striking “during the period begin-  
16 ning on October 1, 2021, and ending on De-  
17 cember 31, 2022” and inserting “during the pe-  
18 riod beginning on October 1, 2022, and ending  
19 on December 31, 2023”; and

20 (B) by striking “\$60,000,000” and insert-  
21 ing “\$30,000,000”.



1       **Subtitle B—Matters Relating to**  
2               **Afghanistan and Pakistan**

3   **SEC. 1211. [LOG 74905] EXTENSION AND MODIFICATION OF**  
4                       **THE AFGHAN SPECIAL IMMIGRANT VISA PRO-**  
5                       **GRAM.**

6       Section 602(b)(3)(F) of the Afghan Allies Protection  
7 Act of 2009 (8 U.S.C. 1101 note) is amended—

8               (1) in the heading, by striking “2022” and in-  
9       serting “2023”; and

10              (2) in clause (ii), by striking “2023” and in-  
11       serting “2024”.

1 **SEC. 1212. [LOG 75222] ADDITIONAL MATTERS FOR INCLU-**  
2 **SION IN REPORTS ON OVERSIGHT IN AF-**  
3 **GHANISTAN.**

4 Section 1069(a) of the National Defense Authoriza-  
5 tion Act for Fiscal Year 2022 (Public Law 117–81; 135  
6 Stat. 1912) is amended—

7 (1) by redesignating paragraphs (9) through  
8 (16) as paragraphs (12) through (19), respectively;

9 (2) by inserting after paragraph (8) the fol-  
10 lowing new paragraphs:

11 “(9) An assessment of the status of—

12 “(A) defense intelligence assets dedicated  
13 to Afghanistan; and

14 “(B) the ability of the United States to de-  
15 tect emerging threats emanating from Afghani-  
16 stan against the United States and former coa-  
17 lition partners.

18 “(10) An assessment of local or indigenous  
19 counterterrorism partners of the Department of De-  
20 fense.

21 “(11) An assessment of risks to the mission  
22 and risks to United States personnel involved in  
23 over-the-horizon counterterrorism options.”; and

24 (3) in paragraph (16), as so redesignated, by  
25 striking “Afganistan” and inserting “Afghanistan”.

1       **Subtitle C—Matters Relating to**  
2                   **Syria, Iraq, and Iran**

3       **SEC. 1221. [LOG 74908] EXTENSION OF AUTHORITY TO PRO-**  
4                   **VIDE ASSISTANCE TO VETTED SYRIAN**  
5                   **GROUPS AND INDIVIDUALS.**

6           (a) **IN GENERAL.**—Subsection (a) of section 1209 of  
7 the Carl Levin and Howard P. “Buck” McKeon National  
8 Defense Authorization Act of Fiscal Year 2015 (Public  
9 Law 113–291; 128 Stat. 3451) is amended by striking  
10 “December 31, 2022” and inserting “December 31,  
11 2023”.

12          (b) **EXTENSION OF WAIVER AUTHORITY.**—Sub-  
13 section (l)(3)(D) of such section is amended by striking  
14 “December 31, 2022” and inserting “December 31,  
15 2023”.

1 **SEC. 1222. [LOG 74909] EXTENSION AND MODIFICATION OF**  
2 **AUTHORITY TO PROVIDE ASSISTANCE TO**  
3 **COUNTER THE ISLAMIC STATE OF IRAQ AND**  
4 **SYRIA.**

5 (a) IN GENERAL.—Subsection (a) of section 1236 of  
6 the Carl Levin and Howard P. “Buck” McKeon National  
7 Defense Authorization Act for Fiscal Year 2015 (Public  
8 Law 113–291; 128 Stat. 3558) is amended by striking  
9 “December 31, 2022” and inserting “December 31,  
10 2023”.

11 (b) FUNDING.—Subsection (g) of such section is  
12 amended—

13 (1) by striking “fiscal year 2022” and inserting  
14 “fiscal year 2023”; and

15 (2) by striking “\$322,500,000” and inserting  
16 “\$358,015,000”.

17 (c) EXTENSION OF WAIVER AUTHORITY.—Sub-  
18 section (o)(5) of such section is amended by striking “De-  
19 cember 31, 2022” and inserting “December 31, 2023”.

20 (d) LIMITATION ON AVAILABILITY OF FUNDS.—Of  
21 the amount of funds made available for fiscal year 2022  
22 (and available for obligation as of the date of the enact-  
23 ment of this Act) and fiscal year 2023 to carry out section  
24 1236 of the Carl Levin and Howard P. “Buck” McKeon  
25 National Defense Authorization Act for Fiscal Year 2015  
26 (Public Law 113-291; 128 Stat. 3558), not more than 50

1 percent may be obligated or expended until the date on  
2 which the Secretary of Defense submits to the appropriate  
3 congressional committees the report required by section  
4 1223(f) of the National Defense Authorization Act for  
5 Fiscal Year 2022 (Public Law 117–81).

1 **SEC. 1223. [LOG 75556] EXTENSION OF AUTHORITY TO SUP-**  
2 **PORT OPERATIONS AND ACTIVITIES OF THE**  
3 **OFFICE OF SECURITY COOPERATION IN IRAQ.**

4 (a) SOURCE OF FUNDS.—Subsection (d) of section  
5 1215 of the National Defense Authorization Act for Fiscal  
6 Year 2012 (10 U.S.C. 113 note) is amended by striking  
7 “fiscal year 2022” and inserting “fiscal year 2023”.

8 (b) LIMITATION ON AVAILABILITY OF FUNDS.—Of  
9 the funds authorized to be appropriated by this Act or  
10 otherwise made available for fiscal year 2023 for the Of-  
11 fice of the Secretary of the Army, the Office of the Sec-  
12 retary of the Navy, and the Office of the Secretary of the  
13 Air Force for travel expenses, not more than 65 percent  
14 may be obligated or expended until the date on which a  
15 staffing plan for the Office of Security Cooperation in Iraq  
16 is completed.

1 **SEC. 1224. [LOG 75099] EXTENSION AND MODIFICATION OF**  
2 **REPORT ON THE MILITARY CAPABILITIES OF**  
3 **IRAN AND RELATED ACTIVITIES.**

4 Subsection (a) of section 1227 of the National De-  
5 fense Authorization Act for Fiscal Year 2022 (Public Law  
6 117–81; 135 Stat. 1972) is amended—

7 (1) in the matter preceding paragraph (1)—

8 (A) by inserting “and annually thereafter  
9 for 1 year” after “enactment of this Act”; and

10 (B) by inserting “, consistent with the pro-  
11 tection of intelligence sources and methods,”  
12 after “Director of National Intelligence”; and

13 (2) in paragraph (1)(D), by inserting “ Hamas,  
14 Palestinian Islamic Jihad, Popular Front for the  
15 Liberation of Palestine,” after “Lebanese  
16 Hezbollah,”.





1 **SEC. 1232. [LOG 74896] MODIFICATION AND EXTENSION OF**  
2 **UKRAINE SECURITY ASSISTANCE INITIATIVE.**

3 (a) **AUTHORITY TO PROVIDE ASSISTANCE.**—Sub-  
4 section (a) of section 1250 of the National Defense Au-  
5 thorization Act for Fiscal Year 2016 (Public Law 114–  
6 92; 129 Stat. 1068) is amended by inserting “salaries and  
7 stipends, and sustainment” after “supplies and services,”.

8 (b) **AVAILABILITY OF FUNDS.**—Subsection (c) of  
9 such section is amended—

10 (1) in paragraph (1), by striking “funds avail-  
11 able for fiscal year 2022 pursuant to subsection  
12 (f)(7)” and inserting “funds available for fiscal year  
13 2023 pursuant to subsection (f)(8)”;

14 (2) in paragraph (3), by striking “fiscal year  
15 2022” and inserting “fiscal year 2023”;

16 (3) in paragraph (5), by striking “Of the funds  
17 available for fiscal year 2022 pursuant to subsection  
18 (f)(7)” and inserting “Of the funds available for fis-  
19 cal year 2023 pursuant to subsection (f)(8)”;

20 (4) by adding at the end the following:

21 “(6) **WAIVER OF CERTIFICATION REQUIRE-**  
22 **MENT.**—The Secretary of Defense may waive the  
23 certification requirement in paragraph (2) if the  
24 Secretary submits to the congressional defense com-  
25 mittees, the Committee on Foreign Relations of the  
26 Senate, and the Committee on Foreign Affairs of the

1 House of Representatives a written certification, not  
2 later than 5 days of exercising the waiver, that doing  
3 so is in the national interest of the United States  
4 due to exigent circumstances caused by the Russian  
5 invasion of Ukraine.”.

6 (c) UNITED STATES INVENTORY AND OTHER  
7 SOURCES.—Subsection (d) of such section is amended—

8 (1) in paragraph (1), by inserting “, and to re-  
9 cover or dispose of such weapons or other defense  
10 articles, or to make available such weapons or arti-  
11 cles to ally and partner governments to replenish  
12 comparable stocks which ally or partner govern-  
13 ments have provided to the Government of  
14 Ukraine,” after “and defense services”; and

15 (2) by adding at the end the following:

16 “(3) CONGRESSIONAL NOTIFICATION.—Not  
17 later than 10 days before providing replenishment to  
18 an ally or partner government pursuant to para-  
19 graph (1), the Secretary of Defense shall transmit to  
20 the congressional defense committees, the Committee  
21 on Foreign Relations of the Senate, and the Com-  
22 mittee on Foreign Affairs of the House of Rep-  
23 resentatives a notification containing the following:

24 “(A) An identification of the recipient for-  
25 eign country.

1           “(B) A detailed description of the articles  
2           to be provided, including the amount, dollar  
3           value, origin, and capabilities associated with  
4           the articles.

5           “(C) A detailed description of the articles  
6           provided to Ukraine to be replenished, including  
7           the amount, dollar value, origin, and capabili-  
8           ties associated with the articles.

9           “(D) The impact on United States stocks  
10          and readiness of transferring the articles.

11          “(E) An assessment of any security, intel-  
12          lectual property, or end use monitoring issues  
13          associated with transferring the articles.

14          “(F) A description, including relevant dol-  
15          lar value amounts, of the articles provided to  
16          Ukraine by the recipient country which are  
17          being replenished.

18          “(G) A certification that the transfer of  
19          the articles in the national security interest of  
20          the United States, and a justification for that  
21          determination.”.

22          (d) FUNDING.—Subsection (f) of such section is  
23          amended by adding at the end the following:

24                 “(8) For fiscal year 2023, \$450,000,000.”.

1 (e) TERMINATION OF AUTHORITY.—Subsection (h)  
2 of such section is amended by striking “December 31,  
3 2023” and inserting “December 31, 2024”.

4 (f) WAIVER OF CERTIFICATION REQUIREMENT.—  
5 Such section is amended—

6 (1) by redesignating the second subsection (g)  
7 as subsection (i); and

8 (2) by adding at the end the following:

9 “(j) EXPEDITED NOTIFICATION REQUIREMENT.—  
10 Not later than 15 days before providing assistance or sup-  
11 port under subsection (a), or as far in advance as is prac-  
12 ticable if the Secretary of Defense determines, on a case-  
13 by-case basis, that extraordinary circumstances exist that  
14 impact the national security of the United States, the Sec-  
15 retary shall transmit to the congressional defense commit-  
16 tees, the Committee on Foreign Relations of the Senate,  
17 and the Committee on Foreign Affairs of the House of  
18 Representatives a notification containing a detailed de-  
19 scription of the assistance or support to be provided, in-  
20 cluding—

21 “(1) the objectives of such assistance or sup-  
22 port;

23 “(2) the budget for such assistance or support;  
24 and

- 1 “(3) the expected or estimated timeline for de-
- 2 livery of such assistance or support.”.

1 **SEC. 1233. [LOG 74895] PROHIBITION ON AVAILABILITY OF**  
2 **FUNDS RELATING TO SOVEREIGNTY OF RUS-**  
3 **SIA OVER CRIMEA.**

4 (a) PROHIBITION.—None of the funds authorized to  
5 be appropriated by this Act or otherwise made available  
6 for fiscal year 2023 for the Department of Defense may  
7 be obligated or expended to implement any activity that  
8 recognizes the sovereignty of Russia over Crimea.

9 (b) WAIVER.—The Secretary of Defense, with the  
10 concurrence of the Secretary of State, may waive the re-  
11 striction on the obligation or expenditure of funds required  
12 by subsection (a) if the Secretary of Defense—

13 (1) determines that to do so is in the national  
14 security interest of the United States; and

15 (2) submits a notification of the waiver, at the  
16 time the waiver is invoked, to the Committee on  
17 Armed Services and the Committee on Foreign Af-  
18 fairs of the House of Representatives and the Com-  
19 mittee on Armed Services and the Committee on  
20 Foreign Relations of the Senate.

1 **SEC. 1234. [LOG 74898] ASSESSMENT OF RUSSIAN STRAT-**  
2 **EGY IN UKRAINE.**

3 (a) IN GENERAL.—Not later than 180 days after the  
4 date of the enactment of this Act, the Secretary of Defense  
5 shall submit to the appropriate congressional committees  
6 an assessment of the strategic, operational, and organiza-  
7 tional strengths and weaknesses of the Russian Federa-  
8 tion’s military strategy for the invasion and occupation of  
9 Ukraine, including an assessment of efforts and sources  
10 of leverage that could be used to exploit the weaknesses  
11 in that strategy as part of the effort to provide assistance  
12 to Ukraine.

13 (b) MATTERS TO BE INCLUDED.—The assessment of  
14 Russia’s military strategy required by subsection (a) shall  
15 include at a minimum a description of the following:

- 16 (1) Strategic strengths and weaknesses.
- 17 (2) Operational strengths and weaknesses.
- 18 (3) Organizational and logistical strengths and  
19 weaknesses.
- 20 (4) Strengths and weaknesses related to Rus-  
21 sian employment of Russia’s Federal Security Serv-  
22 ice (FSB), national guard, and reserve units.

23 (c) APPROPRIATE CONGRESSIONAL COMMITTEES.—  
24 In this section, the term “appropriate congressional com-  
25 mittees” means—

- 26 (1) the congressional defense committees;

1           (2) the Permanent Select Committee on Intel-  
2           ligence and the Committee on Foreign Affairs of the  
3           House of Representatives; and

4           (3) the Select Committee on Intelligence and  
5           the Committee on Foreign Relations of the Senate.

6           (d) MODIFICATION TO ANNUAL REPORT ON MILI-  
7           TARY AND SECURITY DEVELOPMENTS INVOLVING THE  
8           RUSSIAN FEDERATION.—Section 1234 of the National  
9           Defense Authorization Act for Fiscal Year 2021 (134  
10          Stat. 3936) is amended—

11           (1) in subsection (b)—

12                   (A) by redesignating paragraph (24) as  
13                   paragraph (25); and

14                   (B) by inserting after paragraph (23) the  
15                   following:

16                   “(24) The impacts of United States sanctions  
17                   on improvements to the Russian military and its  
18                   proxies, including an assessment of the impacts of  
19                   the maintenance or revocation of such sanctions.”;  
20                   and

21           (2) in subsection (e)—

22                   (A) in paragraph (1), by inserting “, the  
23                   Permanent Select Committee on Intelligence,”  
24                   after “the Committee on Armed Services”; and



1 (B) in paragraph (2), by inserting “, the  
2 Select Committee on Intelligence,” after “the  
3 Committee on Armed Services”.

1 **SEC. 1235. [LOG 75537] REPORT ON EFFORTS BY THE RUS-**  
2 **SIAN FEDERATION TO EXPAND ITS PRES-**  
3 **ENCE AND INFLUENCE IN LATIN AMERICA**  
4 **AND THE CARIBBEAN.**

5 (a) REPORT.—Not later than June 30, 2023, the  
6 Secretary of State, in coordination with the Secretary of  
7 Defense and the Director of National Intelligence and in  
8 consultation with the heads of other appropriate Federal  
9 departments and agencies, as necessary, shall submit to  
10 the appropriate congressional committees a report that  
11 identifies efforts by the Government of the Russian Fed-  
12 eration to expand its presence and influence in Latin  
13 America and the Caribbean through diplomatic, military,  
14 intelligence, and other means, and describes the implica-  
15 tions of such efforts on the national defense and security  
16 interests of the United States.

17 (b) ELEMENTS.—The report required by subsection  
18 (a) shall include the following:

19 (1) An identification of—

20 (A) the countries of Latin America and the  
21 Caribbean with which the Government of the  
22 Russian Federation maintains especially close  
23 diplomatic, military, and intelligence relation-  
24 ships;

25 (B) the number and content of strategic  
26 partnership agreements or similar agreements,

1 including any non-public, secret, or informal  
2 agreements, that the Government of the Rus-  
3 sian Federation has established with countries  
4 and regional organizations of Latin America  
5 and the Caribbean;

6 (C) the countries of Latin America and the  
7 Caribbean to which the Government of the Rus-  
8 sian Federation provides foreign assistance or  
9 disaster relief (including access to COVID-19  
10 vaccines), including a description of the amount  
11 and purpose of, and any conditions attached to,  
12 such assistance;

13 (D) recent visits by senior officials of the  
14 Government of the Russian Federation, includ-  
15 ing its state-owned or state-directed enterprises,  
16 to Latin America and the Caribbean, and visits  
17 by senior officials from Latin America and the  
18 Caribbean to the Russian Federation; and

19 (E) the existence of any defense exchanges,  
20 military or police education or training, and ex-  
21 ercises between any military or police organiza-  
22 tion of the Government of the Russian Federa-  
23 tion and military, police, or security-oriented or-  
24 ganizations of countries of Latin America and

1 the Caribbean, including port visits by the Rus-  
2 sian Navy.

3 (2) A detailed description of—

4 (A) the impact Russia's war in Ukraine  
5 has or may have on its diplomatic, military, and  
6 intelligence activities in Latin America and the  
7 Caribbean;

8 (B) the relationship between the Govern-  
9 ment of the Russian Federation and the Gov-  
10 ernments of Venezuela, Cuba, Nicaragua, and  
11 Bolivia;

12 (C) attempts by the Government of the  
13 Russian Federation to develop relations with  
14 the Governments of Brazil and Argentina, two  
15 countries whose leaders met with Russian  
16 President Vladimir Putin in Moscow shortly be-  
17 fore the invasion of Ukraine;

18 (D) military installations, assets, and ac-  
19 tivities of the Government of the Russian Fed-  
20 eration in Latin America and the Caribbean  
21 that currently exist or are planned for the fu-  
22 ture, including the size, location, and purpose of  
23 any deployed Russian Federation Armed Forces  
24 or security contractors associated with the Rus-  
25 sian Federation;

1 (E) the purpose of and operations ema-  
2 nating from the Russian Federation's oper-  
3 ations center in Managua, Nicaragua;

4 (F) the Russian Federation's subversion of  
5 United States sanctions on Venezuela's oil sec-  
6 tor;

7 (G) the Russian Federation's involvement  
8 in the border dispute between Venezuela and  
9 Guyana;

10 (H) sales or transfers of defense articles  
11 and services by the Russian Federation to coun-  
12 tries of Latin America and the Caribbean;

13 (I) any other form of military or security  
14 cooperation or assistance between the Govern-  
15 ment of the Russian Federation or its associ-  
16 ated paramilitary organizations, and para-  
17 military organizations and countries in Latin  
18 America and the Caribbean;

19 (J) the nature, extent, and purpose of the  
20 Government of the Russian Federation's intel-  
21 ligence activities in Latin America and the Car-  
22ibbean;

23 (K) the role of the Government of the Rus-  
24sian Federation in transnational crime in Latin  
25 America and the Caribbean, including drug

1 trafficking, money laundering, and organized  
2 crime;

3 (L) the methods by which the Government  
4 of the Russian Federation expands its influence  
5 through support to transnational criminal orga-  
6 nizations in Latin America and the Caribbean;  
7 and

8 (M) efforts by the Government of the Rus-  
9 sian Federation to build its media presence  
10 through government-directed disinformation,  
11 misinformation, or information warfare cam-  
12 paigns in Latin America and the Caribbean, in-  
13 cluding attempts to influence electoral out-  
14 comes, realize military objectives, or destabilize  
15 governments.

16 (3) An assessment of—

17 (A) the specific objectives that the Govern-  
18 ment of the Russian Federation seeks to  
19 achieve by expanding its presence and influence  
20 in Latin America and the Caribbean, including  
21 any objectives articulated in official documents  
22 or statements;

23 (B) the degree to which the Government of  
24 the Russian Federation uses its presence and  
25 influence in Latin America and the Caribbean

1 to encourage, pressure, or coerce governments  
2 in the region to support its defense and na-  
3 tional security goals, including policy positions  
4 taken by the Government of the Russian Fed-  
5 eration at international institutions;

6 (C) how the Russian Federation uses mul-  
7 tilateral organizations, in particular the Com-  
8 munity of Latin American and Caribbean  
9 States (CELAC), a regional organization that  
10 excludes the United States, to expand its pres-  
11 ence and influence in Latin America and the  
12 Caribbean; and

13 (D) the specific actions and activities un-  
14 dertaken by the Government of the Russian  
15 Federation in Latin America and the Caribbean  
16 that present the greatest threats or challenges  
17 to the United States' defense and national secu-  
18 rity interests in the region.

19 (4) Any other matters the Secretary of State  
20 determines is appropriate.

21 (c) FORM.—The report required by subsection (a)  
22 shall be submitted in unclassified form without any des-  
23 ignation relating to dissemination control, but may include  
24 a classified annex. The report and its classified annex shall

1 be prepared consistent with the protection of intelligence  
2 sources and methods.

3 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
4 DEFINED.—In this section, the term “appropriate con-  
5 gressional committees” means—

6 (1) the congressional defense committees; and

7 (2) the Committee on Foreign Relations and  
8 the Select Committee on Intelligence of the Senate  
9 and the Committee on Foreign Affairs and the Per-  
10 manent Select Committee on Intelligence of the  
11 House of Representatives.



1           **Subtitle E—Matters Relating to**  
2                           **Europe and NATO**

3   **SEC. 1261. [LOG 74897] SENSE OF CONGRESS ON UNITED**  
4                           **STATES DEFENSE POSTURE IN EUROPE FOL-**  
5                           **LOWING THE FURTHER INVASION OF**  
6                           **UKRAINE.**

7           It is the sense of Congress as follows:

8                   (1) The further invasion of Ukraine presents a  
9                   sea change to the security environment in Europe  
10                   that requires a long-term shift in the force posture  
11                   of the United States and its allies, in order to ensure  
12                   the maintenance of collective deterrence. As General  
13                   Milley, Chairman of the Joint Chiefs, recently noted,  
14                   “We are witness to the greatest threat to peace and  
15                   security of Europe and perhaps the world in my 42  
16                   years of service in uniform. The Russian invasion of  
17                   Ukraine is threatening to undermine not only Euro-  
18                   pean peace and stability but global peace and sta-  
19                   bility. . . . We are at a pivot point in the  
20                   geostrategic history of Europe and perhaps the  
21                   globe.”.

22                   (2) Adjustments to force posture in Europe  
23                   must be commensurate to this challenge. Alongside  
24                   allied investments, it is necessary for the United  
25                   States to alter its force posture to establish addi-

1 tional permanently stationed and continuous rota-  
2 tional forces along Europe's eastern flank. Given the  
3 current conditions, it would be untenable for the  
4 United States to seek to revert to United States  
5 force levels and positioning present in Europe before  
6 Russia's further invasion of Ukraine, to rely solely  
7 on allied forces for further force posture enhance-  
8 ments, or adopt a path to transition away from in-  
9 vestments in Europe through the European Deter-  
10 rence Initiative (EDI), except for exceptional cases.

11 (3) As General Tod Wolters, Commander of  
12 U.S. European Command, has stated, investments  
13 made through EDI since 2014 have proved essential  
14 to the United States ability to respond to the  
15 Ukraine crisis, deploying units in 5 days that would  
16 have taken as long as 21 days. General Wolters fur-  
17 ther stated, "To take an Armored Brigade Combat  
18 Team and launch it from the continental United  
19 States, and put it on European turf, and have the  
20 tanks that comprise that Brigade Combat Team to  
21 shoot, move, and communicate and fire on range in  
22 one week is an amazing accomplishment. And that  
23 was facilitated by those Army Prepositioned Stocks  
24 and it was practiced in previous exercises which are  
25 part of the EDI fund. I would just say that when

1 we demonstrated to the European community, and  
2 to the NATO community, and to the world how well  
3 we can shoot, move, and communicate and transition  
4 a large force from CONUS to Europe at that pace,  
5 it's something that demonstrates the great value of  
6 EDI.”.

7 (4) Past decisions made by the Department of  
8 Defense and Congress about prepositioned stocks,  
9 mobility, and funding for EDI led directly to this  
10 ability to quickly reinforce the area of operations in  
11 this crisis, and EDI investments will be crucial for  
12 adaptation to the new European security environ-  
13 ment. The Department of Defense should continue  
14 to strongly support EDI investments with a focus on  
15 adapting deterrence to the new security environment  
16 and incorporating lessons learned from the conflict  
17 in Ukraine, and it should not seek a path to EDI's  
18 sunset.

19 (5) The United States recognizes that strong  
20 alliances and partnerships are crucial to the mainte-  
21 nance of United States national and global security.  
22 The NATO alliance has grown more robust and  
23 more united in response to Russia's aggression in  
24 Ukraine. Members of NATO have announced sub-  
25 stantial changes in their defense commitments,

1       adopting measures to meet and exceed their Wales  
2       Pledge commitments to spend 2 percent of Gross  
3       Domestic Product on defense and increasing com-  
4       mitments to NATO battle group and air policing  
5       missions, while sending vital defense assistance to  
6       Ukraine. Congress commends such members of  
7       NATO for their adoption and sustainment of these  
8       efforts. Such commitments are vital to the long-term  
9       effort required to maintain deterrence in the Euro-  
10      pean theater. The United States should continue to  
11      work with allies on complementary investments to  
12      establish in Europe a mature, fully integrated deter-  
13      rence platform capable of responding to the ex-  
14      panded threat of Russian aggression and supporting  
15      NATO allies' ongoing efforts to collectively resist di-  
16      rect and hybrid threats to shared values, interests,  
17      and ideals.

18           (6) The United States should also redouble ef-  
19      forts to assist NATO allies, particularly on Europe's  
20      eastern periphery, in modernizing and integrating  
21      their defense capabilities taking into account lessons  
22      from Russia's war in Ukraine, including efforts to  
23      provide artillery, MLRS, MANPADS, air defenses,  
24      and other capabilities.

1           (7) As it reinforces deterrence, the United  
2 States should recognize the acute risks now facing  
3 allies on Russia’s periphery and pursue national se-  
4 curity investments and strategies commensurate to  
5 the challenge, including additional EDI programs, in  
6 the Black Sea, the Baltics, the Arctic, and Central  
7 Europe, in order to maintain the credibility of the  
8 “sacred obligation under Article 5 of the North At-  
9 lantic Treaty to defend every inch of NATO terri-  
10 tory.”.

11           (8) Likewise, the United States should keep in  
12 mind the particularly significant challenges posed to  
13 non-NATO European partners and seek security  
14 strategies to continue cooperation and support their  
15 sovereign rights, while also pursuing security policies  
16 that support stability in areas of substantial malign  
17 effort such as the Western Balkans.

18           (9) The United States continues to recognize  
19 the importance of the long-term Baltic Security Ini-  
20 tiative assistance plan that the Department of De-  
21 fense is carrying out under section 333 of title 10,  
22 United States Code, and the crucial role that such  
23 investments play in deterring Russian aggression in  
24 that region.

1 **SEC. 1262. [LOG 75100] SENSE OF CONGRESS ON NATO**  
2 **MEMBERSHIP FOR FINLAND AND SWEDEN.**

3 It is the sense of Congress that the United States  
4 strongly supports membership for Finland and Sweden in  
5 the North Atlantic Treaty Organization (NATO).



1 **Subtitle A—Matters Relating to the**  
2 **Indo-Pacific Region**

3 **SEC. 1301. [LOG 75351] MODIFICATION TO ANNUAL REPORT**  
4 **ON MILITARY AND SECURITY DEVELOP-**  
5 **MENTS INVOLVING THE PEOPLE’S REPUBLIC**  
6 **OF CHINA.**

7 Section 1202(b) of the National Defense Authoriza-  
8 tion Act for Fiscal Year 2000 (10 U.S.C. 113 note) is  
9 amended as follows:

10 (1) In paragraph (5)—

11 (A) in subparagraph (B)—

12 (i) by striking “A summary” and in-  
13 serting “a summary”; and

14 (ii) by striking “; and” at the end and  
15 inserting a semicolon;

16 (B) in subparagraph (C), by striking the  
17 period at the end and inserting “; and”; and

18 (C) by adding at the end the following new  
19 subparagraph:

20 “(D) the doctrine, capabilities, organiza-  
21 tion, and operational employment of the Peo-  
22 ple’s Liberation Army special operations  
23 forces.”.

24 (2) In paragraph (8), by adding at the end the  
25 following new subparagraph:

1

“(F) Special operations capabilities.”.



1 **SEC. 1302. [LOG 75331] SENSE OF CONGRESS ON SOUTH**  
2 **KOREA.**

3 It is the sense of Congress that—

4 (1) South Korea continues to be a critical ally  
5 of the United States;

6 (2) the presence of United States Armed Forces  
7 in South Korea serves as a strong deterrent against  
8 North Korean military aggression and as a critical  
9 support platform for national security engagements  
10 in the Indo-Pacific region;

11 (3) the presence of approximately 28,500 mem-  
12 bers of the United States Armed Forces deployed to  
13 South Korea serves not only as a stabilizing force to  
14 the Korean peninsula but also as a reassurance to  
15 all our allies in the region; and

16 (4) the United States should continue to—

17 (A) maintain and strengthen its bilateral  
18 relationship with South Korea and with other  
19 regional allies such as Japan; and

20 (B) maintain its existing robust military  
21 presence in South Korea to deter aggression  
22 against the United States and its allies and  
23 partners.

1 **SEC. 1303. [LOG 75350] SENSE OF CONGRESS ON TAIWAN**  
2 **DEFENSE RELATIONS.**

3 It is the sense of Congress that—

4 (1) the Taiwan Relations Act (Public Law 96-  
5 8; 22 U.S.C. et seq.) and the Six Assurances pro-  
6 vided by the United States to Taiwan in July 1982  
7 are the foundation for United States-Taiwan rela-  
8 tions;

9 (2) as set forth in the Taiwan Relations Act,  
10 the United States decision to establish diplomatic re-  
11 lations with the People's Republic of China rests  
12 upon the expectation that the future of Taiwan will  
13 be determined by peaceful means, and that any ef-  
14 fort to determine the future of Taiwan by other than  
15 peaceful means, including boycotts and embargoes,  
16 is of grave concern to the United States;

17 (3) the increasingly coercive and aggressive be-  
18 havior of the People's Republic of China toward Tai-  
19 wan is contrary to the expectation of the peaceful  
20 resolution of the future of Taiwan;

21 (4) as set forth in the Taiwan Relations Act,  
22 the capacity to resist any resort to force or other  
23 forms of coercion that would jeopardize the security,  
24 or the social or economic system, of the people on  
25 Taiwan should be maintained;

1           (5) the United States should continue to sup-  
2           port the development of capable, ready, and modern  
3           defense forces necessary for Taiwan to maintain a  
4           sufficient self-defense capability, including by—

5                   (A) supporting acquisition by Taiwan of  
6                   defense articles and services through foreign  
7                   military sales, direct commercial sales, and in-  
8                   dustrial cooperation, with an emphasis on capa-  
9                   bilities that support the asymmetric defense  
10                  strategy of Taiwan, including anti- ship, coastal  
11                  defense, anti-armor, air defense, undersea war-  
12                  fare, advanced command, control, communica-  
13                  tions, computers, intelligence, surveillance, and  
14                  reconnaissance, and resilient command and con-  
15                  trol capabilities;

16                   (B) ensuring timely review of and response  
17                  to requests of Taiwan for defense articles and  
18                  services;

19                   (C) conducting practical training and mili-  
20                  tary exercises with Taiwan that enable Taiwan  
21                  to maintain a sufficient self- defense capability,  
22                  as described in the Taiwan Relations Act;

23                   (D) exchanges between defense officials  
24                  and officers of the United States and Taiwan at  
25                  the strategic, policy, and functional levels, con-

1           sistent with the Taiwan Travel Act (Public Law  
2           115-135; 132 Stat. 341), especially for the pur-  
3           poses of—

4                   (i) enhancing cooperation on defense  
5                   planning;

6                   (ii) improving the interoperability of  
7                   the military forces of the United States  
8                   and Taiwan; and

9                   (iii) improving the reserve force of  
10                  Taiwan;

11                  (E) identifying improvements in Taiwan's  
12                  ability to use asymmetric military capabilities to  
13                  enhance its defensive capabilities, as described  
14                  in the Taiwan Relations Act; and

15                  (F) expanding cooperation in humanitarian  
16                  assistance and disaster relief; and

17                  (6) the United States should be committed to  
18                  the defense of a free and open society in the face of  
19                  aggressive efforts by the Government of the People's  
20                  Republic of China to curtail or influence the free ex-  
21                  ercise of rights and democratic franchise.

1 **SEC. 1304. [LOG 75355] MODIFICATION TO REPORT ON**  
2 **RESOURCING UNITED STATES DEFENSE RE-**  
3 **QUIREMENTS FOR THE INDO-PACIFIC RE-**  
4 **GION AND REPORT ON ENHANCING DEFENSE**  
5 **COOPERATION WITH ALLIES AND PARTNERS**  
6 **IN THE INDO-PACIFIC.**

7 (a) IN GENERAL.—Section 1251 of the William M.  
8 (Mac) Thornberry National Defense Authorization Act for  
9 Fiscal Year 2021 (Public Law 116–283) is amended in  
10 subsection (d)(1)(B) by amending clause (v) to read as  
11 follows:

12 “(v) An assessment of security co-  
13 operation authorities, activities, or re-  
14 sources required to achieve such objec-  
15 tives.”.

16 (b) REPORT REQUIRED.—Not later than 180 days  
17 after the date of the enactment of this Act, the Com-  
18 mander of United States Indo-Pacific Command shall sub-  
19 mit to the appropriate congressional committees a report  
20 on the feasibility and advisability of enhancing defense co-  
21 operation with allies and partners in the Indo-Pacific re-  
22 gion that includes the following:

23 (1) A description of relevant cooperation be-  
24 tween key allies and leading partners in the Indo-  
25 Pacific region and the United States during the pre-

1 ceding calendar year, including mutual visits, exer-  
2 cises, training, and equipment opportunities.

3 (2) An evaluation of the feasibility of enhancing  
4 cooperation between key allies and leading partners  
5 in the Indo-Pacific region on a range of activities,  
6 including—

7 (A) interoperability and coordination;

8 (B) disaster and emergency response;

9 (C) enhancing maritime domain awareness  
10 and maritime security;

11 (D) cyber defense and communications se-  
12 curity;

13 (E) military medical cooperation;

14 (F) virtual combined exercises and training  
15 activities;

16 (G) advancing programs for United States  
17 military advisors to assist in training the active  
18 and reserve components of key allies and lead-  
19 ing partners in the Indo-Pacific region; and

20 (H) expanding the activities of the Na-  
21 tional Guard in the Indo-Pacific region.

22 (3) Any other matters the Commander of  
23 United States Indo-Pacific Command considers ap-  
24 propriate.

1           (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
2 FINED.—In this section, the term “appropriate congres-  
3 sional committees” means—

4           (1) the congressional defense committees;

5           (2) the Committee on Foreign Affairs of the  
6 House of Representatives; and

7           (3) the Committee on Foreign Relations of the  
8 Senate.

1 **SEC. 1305. [LOG 75352] SENSE OF CONGRESS AND REPORT**  
2 **ON UNITED STATES SECURITY COOPERATION**  
3 **WITH INDIA.**

4 (a) SENSE OF CONGRESS.—It is the sense of Con-  
5 gress that the United States—

6 (1) should build upon the 2016 designation of  
7 India as a Major Defense Partner of the United  
8 States by seeking to improve interoperability and ac-  
9 tively looking for opportunities for joint military ex-  
10 ercises; and

11 (2) should strengthen security cooperation with  
12 India in the Indian Ocean by—

13 (A) conducting high-end exercises and in-  
14 creasing joint training exercises;

15 (B) expanding the geographic scope of  
16 joint military activities between relevant United  
17 States commands and the Indian military in the  
18 Western Indian Ocean; and

19 (C) expanding military training programs  
20 and exercises, including humanitarian assist-  
21 ance and disaster relief exercises.

22 (b) REPORT REQUIRED.—Not later than March 1,  
23 2023, the Under Secretary of Defense for Policy, in co-  
24 ordination with the Commander of United States Indo-  
25 Pacific Command and the Director of the Defense Secu-  
26 rity Cooperation Agency, shall submit to the congressional



1 defense committees, the Committee on Foreign Affairs of  
2 the House of Representatives, and the Committee on For-  
3 eign Relations of the Senate a report regarding—

4           (1) opportunities for deeper defense cooperation  
5           with India;

6           (2) the defense relationship between the Rus-  
7           sian Federation and India;

8           (3) the defense relationship between the Peo-  
9           ple’s Republic of China and India; and

10           (4) the defense relationship between the United  
11           States, Australia, Japan, and India.

1 **SEC. 1306. [LOG 75353] REPORT ON SUPPORT AND**  
2 **SUSTAINMENT FOR CRITICAL CAPABILITIES**  
3 **IN THE AREA OF RESPONSIBILITY OF THE**  
4 **UNITED STATES INDO-PACIFIC COMMAND**  
5 **NECESSARY TO MEET OPERATIONAL RE-**  
6 **QUIREMENTS IN CERTAIN CONFLICTS WITH**  
7 **STRATEGIC COMPETITORS.**

8 (a) REPORT REQUIRED.—

9 (1) IN GENERAL.—Not later than one year  
10 after the date of the enactment of this Act, the  
11 Commander of the United States Indo-Pacific Com-  
12 mand, in consultation with the Commander of the  
13 United States Transportation Command, the Direc-  
14 tor of the Defense Logistics Agency, and other Fed-  
15 eral officials that the Commander of United States  
16 Indo-Pacific Command determines to be appropriate,  
17 shall submit to the appropriate congressional com-  
18 mittees a report that describes the support and  
19 sustainment for critical capabilities in the area of re-  
20 sponsibility of the United States Indo-Pacific Com-  
21 mand that are necessary to meet operational re-  
22 quirements in a conflict with a strategic competitor  
23 of a duration that exceeds 6 months.

24 (2) MATTERS TO BE INCLUDED.—The report  
25 required by paragraph (1) shall include the fol-  
26 lowing:

1 (A) An assessment of the posture and ca-  
2 pabilities of the current strategic force laydown  
3 of the United States Indo-Pacific Command, in-  
4 cluding capabilities such as—

5 (i) command, control, communica-  
6 tions, computers, cyber, intelligence, sur-  
7 veillance, and reconnaissance (commonly  
8 referred to as “C5ISR”) assets;

9 (ii) surface, subsurface, land, air, and  
10 space disposition and capabilities;

11 (iii) strategic long-range precision  
12 fires, missile defense, and anti-air capabili-  
13 ties;

14 (iv) force protection of assets and crit-  
15 ical infrastructure;

16 (v) logistics and sustainment capabili-  
17 ties, including positioning, quantity, and  
18 distribution of fuels; and

19 (vi) munitions required to meet oper-  
20 ational requirements.

21 (B) A detailed assessment of any gaps in  
22 the required capabilities described in subpara-  
23 graph (A) relative to the requirements of the  
24 United States Indo-Pacific Command in both  
25 steady state and in such a conflict with a stra-

1           tegie competitor, including gaps in any capabili-  
2           ties described in the report required by section  
3           1251(d) of the National Defense Authorization  
4           Act for Fiscal Year 2021 (Public Law 116–  
5           283).

6           (C) An assessment of measures required to  
7           mitigate the gaps described in subparagraph  
8           (B) before December 31, 2025. The assessment  
9           shall include associated costs with enhancing  
10          United States, allied, and partner military pos-  
11          ture, basing, and sustainment infrastructure in  
12          the area of responsibility of the United States  
13          Indo-Pacific Command to best meet the oper-  
14          ational requirements described in subparagraph  
15          (A), including in States, territories, and posses-  
16          sions of the United States and regional allies  
17          and partners.

18          (b) FORM.—The report required by subsection (a)  
19          shall be submitted in unclassified form, but may include  
20          a classified annex.

21          (c) DEFINITIONS.—In this section—

22                  (1) the term “appropriate congressional com-  
23                  mittees” means—

24                          (A) the congressional defense committees;  
25                  and

1                   (B) the Committee on Foreign Affairs of  
2                   the House of Representatives and the Com-  
3                   mittee on Foreign Relations of the Senate; and  
4                   (2) the term “strategic competitor” means a  
5                   country labeled as a strategic competitor in the  
6                   “Summary of the 2018 National Defense Strategy  
7                   of the United States of America: Sharpening the  
8                   American Military’s Competitive Edge”, issued by  
9                   the Department of Defense pursuant to section 113  
10                  of title 10, United States Code.

1 **SEC. 1307. [LOG 74931] MODIFICATION TO PACIFIC DETER-**  
2 **RENCE INITIATIVE.**

3 Section 1251(d) of the William M. (Mac) Thornberry  
4 National Defense Authorization Act for Fiscal Year 2021  
5 (Public Law 116–283; 134 Stat. 3951) is amended—

6 (1) by redesignating paragraph (2) as para-  
7 graph (3); and

8 (2) by inserting after paragraph (1) the fol-  
9 lowing:

10 “(2) SUBSEQUENT REPORT.—Not later than 15  
11 days after the submission of the report required by  
12 paragraph (1) for fiscal year 2024, the Commander  
13 of the United States Indo-Pacific Command shall  
14 submit to the congressional defense committees a  
15 subsequent report containing a comparison of the  
16 specific cost estimates required by items (aa)  
17 through (ff) of paragraph (1)(B)(vi)(II) to the fund-  
18 ing provided in the budget of the President (sub-  
19 mitted to Congress pursuant to section 1105 of title  
20 31, United States Code) for such items for such fis-  
21 cal year.”.

1 **SEC. 1332. [LOG 74903] EXTENSION OF AUTHORITY FOR**  
2 **CERTAIN PAYMENTS TO REDRESS INJURY**  
3 **AND LOSS.**

4 Section 1213(a) of the National Defense Authoriza-  
5 tion Act for Fiscal Year 2020 (Public Law 116– 92; 10  
6 U.S.C. 2731 note) is amended by striking “December 31,  
7 2023” and inserting “December 31, 2025”.

1 **SEC. 1333. [LOG 75098] EXTENSION OF UNITED STATES-**  
2 **ISRAEL COOPERATION TO COUNTER UN-**  
3 **MANNED AERIAL SYSTEMS.**

4 Section 1278(f) of the National Defense Authoriza-  
5 tion Act, 2020 (Public Law 116–92; 133 Stat. 1702; 22  
6 U.S.C. 8606 note) is amended by striking “December 31,  
7 2024” and inserting “December 31, 2026”.





1       **Subtitle A—Military Programs**

2   **SEC. 1401.[Log 74948] WORKING CAPITAL FUNDS.**

3       Funds are hereby authorized to be appropriated for  
4   fiscal year 2023 for the use of the Armed Forces and other  
5   activities and agencies of the Department of Defense for  
6   providing capital for working capital and revolving funds,  
7   as specified in the funding table in section 4501.

1 **SEC. 1402.[Log 74949] CHEMICAL AGENTS AND MUNITIONS**  
2 **DESTRUCTION, DEFENSE.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
4 are hereby authorized to be appropriated for the Depart-  
5 ment of Defense for fiscal year 2023 for expenses, not oth-  
6 erwise provided for, for Chemical Agents and Munitions  
7 Destruction, Defense, as specified in the funding table in  
8 section 4501.

9 (b) USE.—Amounts authorized to be appropriated  
10 under subsection (a) are authorized for—

11 (1) the destruction of lethal chemical agents  
12 and munitions in accordance with section 1412 of  
13 the Department of Defense Authorization Act, 1986  
14 (50 U.S.C. 1521); and

15 (2) the destruction of chemical warfare materiel  
16 of the United States that is not covered by section  
17 1412 of such Act.

1 **SEC. 1403.[Log 74950] DRUG INTERDICTION AND COUNTER-**  
2 **DRUG ACTIVITIES, DEFENSE-WIDE.**

3 Funds are hereby authorized to be appropriated for  
4 the Department of Defense for fiscal year 2023 for ex-  
5 penses, not otherwise provided for, for Drug Interdiction  
6 and Counter-Drug Activities, Defense-wide, as specified in  
7 the funding table in section 4501.

1 **SEC. 1404.[Log 74951] DEFENSE INSPECTOR GENERAL.**

2 Funds are hereby authorized to be appropriated for  
3 the Department of Defense for fiscal year 2023 for ex-  
4 penses, not otherwise provided for, for the Office of the  
5 Inspector General of the Department of Defense, as speci-  
6 fied in the funding table in section 4501.

1 **SEC. 1405.[Log 74952] DEFENSE HEALTH PROGRAM.**

2 Funds are hereby authorized to be appropriated for  
3 fiscal year 2023 for the Defense Health Program for use  
4 of the Armed Forces and other activities and agencies of  
5 the Department of Defense for providing for the health  
6 of eligible beneficiaries, as specified in the funding table  
7 in section 4501.

## 1                   **Subtitle B—Other Matters**

2   **SEC. 1411.[Log 75567] AUTHORITY FOR TRANSFER OF**  
3                   **FUNDS TO JOINT DEPARTMENT OF DEFENSE-**  
4                   **DEPARTMENT OF VETERANS AFFAIRS MED-**  
5                   **ICAL FACILITY DEMONSTRATION FUND FOR**  
6                   **CAPTAIN JAMES A. LOVELL HEALTH CARE**  
7                   **CENTER, ILLINOIS.**

8           (a) **AUTHORITY FOR TRANSFER OF FUNDS.**—Of the  
9 funds authorized to be appropriated for section 1405 and  
10 available for the Defense Health Program for operation  
11 and maintenance, \$168,000,000 may be transferred by the  
12 Secretary of Defense to the Joint Department of Defense—  
13 Department of Veterans Affairs Medical Facility Dem-  
14 onstration Fund established by subsection (a)(1) of sec-  
15 tion 1704 of the National Defense Authorization Act for  
16 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571).  
17 For purposes of subsection (a)(2) of such section 1704,  
18 any funds so transferred shall be treated as amounts au-  
19 thorized and appropriated specifically for the purpose of  
20 such a transfer.

21           (b) **USE OF TRANSFERRED FUNDS.**—For the pur-  
22 poses of subsection (b) of such section 1704, facility oper-  
23 ations for which funds transferred under subsection (a)  
24 may be used are operations of the Captain James A.  
25 Lovell Federal Health Care Center, consisting of the

1 North Chicago Veterans Affairs Medical Center, the Navy  
2 Ambulatory Care Center, and supporting facilities des-  
3 igned as a combined Federal medical facility under an  
4 operational agreement covered by section 706 of the Dun-  
5 can Hunter National Defense Authorization Act for Fiscal  
6 Year 2009 (Public Law 110–417; 122 Stat. 4500).

1 **SEC. 1412.[Log 75566] AUTHORIZATION OF APPROPRIA-**  
2 **TIONS FOR ARMED FORCES RETIREMENT**  
3 **HOME.**

4 There is hereby authorized to be appropriated for fis-  
5 cal year 2023 from the Armed Forces Retirement Home  
6 Trust Fund the sum of \$152,360,000 of which—

7 (1) \$75,360,000 is for operation, maintenance,  
8 construction and renovation; and

9 (2) \$77,000,000 is for major construction.



1                   **Subtitle A—Cyber Matters**

2   **SEC. 1501.[Log 75200] IMPROVEMENTS TO PRINCIPAL**  
3                   **CYBER ADVISORS.**

4           (a) CERTIFICATION AUTHORITY FOR CYBERSPACE  
5 OPERATIONS.—Subsection (c) of section 932 of the Na-  
6 tional Defense Authorization Act for Fiscal Year 2014  
7 (Public Law 113–66; 10 U.S.C. 2224 note) is amended  
8 by adding at the end the following new paragraph:

9                   “(4) BUDGET CERTIFICATION.—Not later than  
10           January 31 of the year preceding each fiscal year  
11           for which a budget is proposed, the Principal Cyber  
12           Advisor shall certify to the Secretary of Defense and  
13           the congressional defense committees the adequacy  
14           of the portions of that budget regarding cyberspace  
15           activities not covered by the review of the Chief In-  
16           formation Officer under section 142(b)(2) of this  
17           title.”.

18           (b) CODIFICATION OF PRINCIPAL CYBER ADVI-  
19 SORS.—

20                   (1) TITLE 10.—Chapter 19 of title 10, United  
21           States Code, is amended by inserting after section  
22           392 the following new section (and conforming the  
23           table of sections at the beginning of such chapter ac-  
24           cordingly):

1 **“§ 392a. Principal Cyber Advisors”.**

2 (2) PRINCIPAL CYBER ADVISOR TO SECRETARY  
3 OF DEFENSE.—Subsection (c) of section 932 of the  
4 National Defense Authorization Act for Fiscal Year  
5 2014 (Public Law 113–66; 10 U.S.C. 2224 note), as  
6 amended by subsection (a), is—

7 (A) transferred to section 392a of title 10,  
8 United States Code, as added by paragraph (1);

9 (B) redesignated as subsection (a); and

10 (C) amended in the subsection heading by  
11 inserting “TO SECRETARY OF DEFENSE” after  
12 “ADVISOR”.

13 (3) DEPUTY CYBER ADVISOR.—Section 905 of  
14 the National Defense Authorization Act for Fiscal  
15 Year 2020 (Public Law 116–92; 10 U.S.C. 391  
16 note) is—

17 (A) transferred to chapter 19 of title 10,  
18 United States Code, designated as subsection  
19 (b) of section 392a, as added by paragraph (1),  
20 and redesignating each subordinate provision  
21 and the margins thereof accordingly; and

22 (B) amended—

23 (i) by striking “this subsection” each  
24 place it appears and inserting “this para-  
25 graph”; and

1 (ii) by striking “subsection (a)” each  
2 place it appears and inserting “paragraph  
3 (1)”.

4 (4) PRINCIPAL CYBER ADVISORS TO SECRE-  
5 TARIES OF MILITARY DEPARTMENTS.—Section 1657  
6 of the National Defense Authorization Act for Fiscal  
7 Year 2020 (Public Law 116–92; 10 U.S.C. 391  
8 note) is—

9 (A) transferred to chapter 19 of title 10,  
10 United States Code, designated as subsection  
11 (e) of section 392a, as added by paragraph (1),  
12 and redesignating each subordinate provision  
13 and the margins thereof accordingly; and

14 (B) amended—

15 (i) by striking “subparagraph (B)”  
16 and inserting “clause (ii)”;

17 (ii) by striking “paragraph (1)” each  
18 place it appears and inserting “subpara-  
19 graph (A)”;

20 (iii) by striking “paragraph (2)” each  
21 place it appears and inserting “subpara-  
22 graph (B)”;

23 (iv) by striking “subsection (a)(1)”  
24 and inserting “paragraph (1)(A)”;

1 (v) by striking “subsection (a)” each  
2 place it appears and inserting “paragraph  
3 (1)”;

4 (vi) by striking “subsection (b)” each  
5 place it appears and inserting “paragraph  
6 (2)”;

7 (vii) by striking paragraph (6) (as re-  
8 designated pursuant to subparagraph (A)).

9 (c) CONFORMING AMENDMENTS.—

10 (1) TITLE 10.—Section 167b(d)(2)(A) of title  
11 10, United States Code, is amended by inserting “to  
12 the Secretary of Defense under section 392a(a) of  
13 this title” after “Principal Cyber Advisor”.

14 (2) FY22 NDAA.—Section 1528(e)(2) of the  
15 National Defense Authorization Act for Fiscal Year  
16 2022 (Public Law 117–81; 10 U.S.C. 2224 note) is  
17 amended by striking “section 1657(d) of the Na-  
18 tional Defense Authorization Act for Fiscal Year  
19 2020 (Public Law 116–92; 10 U.S.C. 391 note)”  
20 and inserting “section 392a(c)(4) of title 10, United  
21 States Code”.

22 (3) FY17 NDAA.—Section 1643(b) of the Na-  
23 tional Defense Authorization Act for Fiscal Year  
24 2017 (Public Law 114–328; 10 U.S.C. 2224 note)  
25 is amended by striking “The Principal Cyber Advi-

1       sor, acting through the cross-functional team estab-  
2       lished by section 932(c)(3) of the National Defense  
3       Authorization Act for Fiscal Year 2014 (Public Law  
4       113-66; 10 U.S.C. 2224 note)” and inserting “The  
5       Principal Cyber Advisor to the Secretary of Defense,  
6       acting through the cross-functional team under sec-  
7       tion 392a(a)(3) of title 10, United States Code,”.

1 **SEC. 1502.[Log 74862] MODIFICATION OF OFFICE OF PRI-**  
2 **MARY RESPONSIBILITY FOR STRATEGIC CY-**  
3 **BERSECURITY PROGRAM.**

4 Paragraph (2) of section 1640(c) of the National De-  
5 fense Authorization Act for Fiscal Year 2018 (Public Law  
6 115–91; 10 U.S.C. 2224 note) is amended to read as fol-  
7 lows:

8 “(2) OFFICE OF PRIMARY RESPONSIBILITY.—  
9 Not later than 30 days after the date of the enact-  
10 ment of the National Defense Authorization Act for  
11 Fiscal Year 2023, the Secretary of Defense shall  
12 designate a principal staff assistant from within the  
13 Office of the Secretary of Defense whose office shall  
14 serve as the office of primary responsibility for the  
15 Program, providing policy, direction, and oversight  
16 regarding the execution of the responsibilities of the  
17 program manager described in paragraph (5).”.

1 **SEC. 1503.[Log 74864] ESTABLISHMENT OF CYBER OPER-**  
2 **ATIONS DESIGNATOR AND RATING FOR THE**  
3 **NAVY.**

4 (a) MILITARY CAREER DESIGNATOR.—

5 (1) OFFICERS.—Not later than 180 days after  
6 the date of the enactment of this Act, the Secretary  
7 of the Navy, in coordination with the Chief of Naval  
8 Operations, shall establish and use a cyber warfare  
9 operations designator for officers and warrant offi-  
10 cers, which shall be a separate designator from the  
11 cryptologic warfare officer designator.

12 (2) ENLISTED.—Not later than 90 days after  
13 the date of the enactment of this Act, the Secretary,  
14 in coordination with the Chief, shall establish and  
15 use a cyber warfare rating for enlisted personnel,  
16 which shall be a separate rating from the cryptologic  
17 technician enlisted rating.

18 (b) PROHIBITION.—

19 (1) IN GENERAL.—Beginning June 1, 2024, the  
20 Secretary may not assign a member of the Navy to  
21 a billet within the core work roles at teams or com-  
22 ponents within the cyber mission force if such mem-  
23 ber—

24 (A) has a designator of cryptologic war-  
25 fare, intelligence, or information professional; or

1 (B) has a rating of cryptologic technician,  
2 intelligence specialist, or information systems  
3 technician.

4 (2) EXCEPTION.—The prohibition in paragraph  
5 (1) shall not apply with respect to a member of the  
6 Navy who is assigned to a billet described in such  
7 paragraph under orders issued before June 1, 2024.

8 (c) REPORT.—Not later than one year after the date  
9 of the enactment of this Act, the Secretary shall submit  
10 to the Committees on Armed Services of the House of  
11 Representatives and Senate a report certifying whether  
12 the following actions have been carried out (including de-  
13 tailed explanations):

14 (1) The Secretary establishing cyberspace oper-  
15 ations as a military discipline that is a community  
16 separate from the information warfare community.

17 (2) The Chief of Naval Operations identifying  
18 who in the Office of the Chief of Naval Operations  
19 will serve as the resource manager and who will be  
20 responsible for staffing and training with respect to  
21 the designator and rating established under sub-  
22 section (a).

23 (3) The Secretary establishing a training pipe-  
24 line for the designator and rating established under  
25 subsection (a) that is aligned with the requirements



1 and standards established by the Commander of the  
2 United States Cyber Command.

3 (4) The Secretary establishing a funding profile  
4 detailing with requisite investments towards the  
5 training requirements, requisite courses, and costs  
6 associated with the designator and rating established  
7 under subsection (a) for the period covered by the  
8 most recent future-years defense program submitted  
9 to Congress under section 221 of title 10, United  
10 States Code.

11 (5) The Secretary establishing an inventory of  
12 all flag officer positions with direct leadership or ex-  
13 ecutive direction over the designator and rating es-  
14 tablished under subsection (a), including with re-  
15 spect to—

16 (A) the United States Cyber Command;

17 (B) the Fleet Cyber Command;

18 (C) Joint Forces Headquarters-Cyber,  
19 Navy;

20 (D) 10th Fleet;

21 (E) The Deputy Chief of Naval Operations  
22 for Information Warfare and the Director of  
23 Naval Intelligence; and

24 (F) Naval Information Forces.

1           (6) The Secretary establishing an implementa-  
2           tion plan, including timelines and procedures, for  
3           filling the positions within the cyber mission force  
4           for which the Secretary is responsible.

5           (7) Any anticipated changes to the end-strength  
6           of the Navy by reason of establishing the designator  
7           and rating under subsection (a).

8           (d) DETERMINATION BY CYBER COMMAND.—Not  
9           later than 60 days after the date on which the Secretary  
10          submits the report under subsection (c), the Commander  
11          of United States Cyber Command shall submit to the  
12          Committees on Armed Services of the House of Represent-  
13          atives and Senate a determination with respect to whether  
14          the matters contained in the report satisfy the require-  
15          ments of the United States Cyber Command.

1 **SEC. 1504.[Log 74868] CYBER THREAT INFORMATION COL-**  
2 **LABORATION ENVIRONMENT PROGRAM.**

3 (a) PROGRAM.—Not later than 120 days after the  
4 date of the enactment of this Act, pursuant to the require-  
5 ments established by the Cyber Threat Data Interoper-  
6 ability Council under subsection (c), the Secretary of  
7 Homeland Security, acting through the Director of the Cy-  
8 bersecurity and Infrastructure Security Agency, in con-  
9 sultation with the Director of the National Security Agen-  
10 cy, shall develop an information collaboration environment  
11 consisting of a digital environment containing technical  
12 tools for information analytics and a portal through which  
13 relevant parties may submit and automate information in-  
14 puts and access the environment to enable interoperable  
15 data flow that enables Federal and non-Federal entities  
16 to identify, mitigate, and prevent malicious cyber activity  
17 by—

18 (1) providing access to appropriate and oper-  
19 ationally relevant data from unclassified and classi-  
20 fied information about cybersecurity risks and cyber-  
21 security threats, as well as malware forensics and  
22 data from network sensor programs or network-mon-  
23 itoring programs, on a platform that enables  
24 querying and analysis;

25 (2) enabling cross-correlation of data on cyber-  
26 security risks and cybersecurity threats at the speed

1 and scale necessary for rapid detection and identi-  
2 fication;

3 (3) facilitating a comprehensive understanding  
4 of cybersecurity risks and cybersecurity threats; and

5 (4) facilitating collaborative analysis between  
6 the Federal Government and public and private sec-  
7 tor critical infrastructure entities and information  
8 sharing and analysis organizations.

9 (b) IMPLEMENTATION OF INFORMATION COLLABO-  
10 RATION ENVIRONMENT.—

11 (1) EVALUATION.—Not later than 180 days  
12 after the date of the enactment of this Act, the Sec-  
13 retary of Homeland Security, acting through the Di-  
14 rector of the Cybersecurity and Infrastructure Secu-  
15 rity Agency, in coordination with other departments  
16 and agencies of the Federal Government, shall—

17 (A) identify existing Federal sources of  
18 classified and unclassified information on cyber-  
19 security threats;

20 (B) evaluate current programs, applica-  
21 tions, or platforms intended to detect, identify,  
22 analyze, and monitor cybersecurity risks and  
23 cybersecurity threats;

24 (C) consult with public and private sector  
25 critical infrastructure entities to identify public

1 and private critical infrastructure cyber threat  
2 capabilities, needs, and gaps; and

3 (D) identify existing tools, capabilities, and  
4 systems that may be adapted to achieve the  
5 purposes of the information collaboration envi-  
6 ronment developed pursuant to subsection (a)  
7 to maximize return on investment and minimize  
8 cost.

9 (2) IMPLEMENTATION.—

10 (A) IN GENERAL.—Not later than one year  
11 after completing the evaluation required under  
12 paragraph (1), the Secretary of Homeland Se-  
13 curity, acting through the Director of the Cy-  
14 bersecurity and Infrastructure Security Agency,  
15 in consultation with the Director of the Na-  
16 tional Security Agency, shall achieve initial op-  
17 erating capability of the information collabora-  
18 tion environment developed pursuant to sub-  
19 section (a).

20 (B) REQUIREMENTS.—The information  
21 collaboration environment and the technical  
22 tools for information analytics under subsection  
23 (a) shall—

24 (i) operate in a manner consistent  
25 with relevant privacy, civil rights, and civil

1 liberties policies and protections, including  
2 such policies and protections established  
3 pursuant to section 1016 of the Intel-  
4 ligence Reform and Terrorism Prevention  
5 Act of 2004 (6 U.S.C. 485);

6 (ii) reflect the requirements set forth  
7 by the Cyber Threat Data Interoperability  
8 Council under subsection (c);

9 (iii) enable integration of current ap-  
10 plications, platforms, data, and informa-  
11 tion, including classified information, in a  
12 manner that supports the voluntary inte-  
13 gration of unclassified and classified infor-  
14 mation on cybersecurity risks and cyberse-  
15 curity threats;

16 (iv) incorporate tools to manage ac-  
17 cess to classified and unclassified data, as  
18 appropriate, for appropriate individuals  
19 who have the security clearance necessary  
20 to access the highest level of classified data  
21 included in the environment;

22 (v) ensure accessibility by Federal en-  
23 tities that the Secretary of Homeland Se-  
24 curity, in consultation with the Director of  
25 National Intelligence, the Attorney Gen-

1 eral, the Secretary of Defense, and the Di-  
2 rector of the Office of Management and  
3 Budget, determines appropriate;

4 (vi) allow for access by public and pri-  
5 vate sector critical infrastructure entities  
6 and other private sector partners, at the  
7 discretion of the Secretary of Homeland  
8 Security and after consulting the appro-  
9 priate Sector Risk Management Agency;

10 (vii) deploy analytic tools across clas-  
11 sification levels to leverage all relevant  
12 data sets, as appropriate;

13 (viii) identify tools and analytical soft-  
14 ware that can be applied and shared to  
15 manipulate, transform, and display data  
16 and other identified needs; and

17 (ix) anticipate the integration of new  
18 technologies and data streams, including  
19 data from network sensor programs or net-  
20 work-monitoring programs deployed in  
21 support of non-Federal entities.

22 (C) ACCESS CONTROLS.—The owner of any  
23 data shared in the information collaboration en-  
24 vironment shall have the authority to set and  
25 maintain access controls for such data and may

1 restrict access to any particular data asset for  
2 any purpose, including for the purpose of pro-  
3 tecting intelligence sources and methods from  
4 unauthorized disclosure in accordance with sec-  
5 tion 102A(i) of the National Security Act (50  
6 U.S.C. 3024(i)).

7 (3) ANNUAL REPORT REQUIREMENT ON THE  
8 IMPLEMENTATION, EXECUTION, AND EFFECTIVE-  
9 NESS OF THE PROGRAM.—

10 (A) REQUIREMENT.—Not later than one  
11 year after the date of the enactment of this Act  
12 and annually thereafter, the Secretary of  
13 Homeland Security shall submit to the National  
14 Cyber Director and appropriate congressional  
15 committees a report that details—

16 (i) Federal Government participation  
17 in the information collaboration environ-  
18 ment, including the Federal entities par-  
19 ticipating in the environment and the cat-  
20 egories of information shared by Federal  
21 entities into the environment;

22 (ii) non-Federal entities' participation  
23 in the information collaboration environ-  
24 ment, including the non-Federal entities  
25 participating in the environment and the



1 categories of information shared by non-  
2 Federal entities into the environment;

3 (iii) the impact of the information col-  
4 laboration environment on positive security  
5 outcomes for the Federal Government and  
6 non-Federal entities;

7 (iv) barriers identified to fully real-  
8 izing the benefit of the information collabo-  
9 ration environment for both the Federal  
10 Government and non-Federal entities;

11 (v) additional authorities or resources  
12 necessary to successfully execute the infor-  
13 mation collaboration environment; and

14 (vi) identified shortcomings or risks to  
15 data security and privacy, and the steps  
16 necessary to improve the mitigation of  
17 such shortcomings or risks.

18 (B) FORM.—Each report under subpara-  
19 graph (A) shall be submitted in unclassified  
20 form, but may include a classified annex.

21 (4) COLLABORATION BY NSA.—Any actions  
22 taken by the Director of the National Security Agen-  
23 cy to assist in building or maintaining the informa-  
24 tion collaboration environment developed pursuant to  
25 subsection (a)—

1 (A) shall be carried out using amounts au-  
2 thorized to be appropriated to the National Se-  
3 curity Agency for the Information Systems Se-  
4 curity program; and

5 (B) may not be carried out using amounts  
6 made available under the National Intelligence  
7 Program.

8 (c) CYBER THREAT DATA INTEROPERABILITY COUN-  
9 CIL.—

10 (1) ESTABLISHMENT.—There is established an  
11 interagency council, to be known as the “Cyber  
12 Threat Data Interoperability Council” (in this sub-  
13 section referred to as the “council”), chaired by the  
14 National Cyber Director, to establish data interoper-  
15 ability requirements for data streams to be accessed  
16 in the information collaboration environment.

17 (2) ESTABLISHMENT DATE.—The council shall  
18 commence the activities under this subsection by not  
19 later than 120 days after the date of the enactment  
20 of this Act.

21 (3) MEMBERSHIP.—

22 (A) PRINCIPAL MEMBERS.—In addition to  
23 the National Cyber Director, the council shall  
24 have as its principal members the Secretary of  
25 Homeland Security, the Director of National

1 Intelligence, the Attorney General, the Sec-  
2 retary of Defense, and the Director of the Of-  
3 fice of Management and Budget.

4 (B) ADDITIONAL FEDERAL MEMBERS.—  
5 Based on recommendations submitted by the  
6 principal members, the National Cyber Director  
7 shall identify and appoint council members  
8 from Federal entities that oversee programs  
9 that generate, collect, disseminate, or analyze  
10 data or information related to cybersecurity  
11 risks and cybersecurity threats.

12 (C) ADVISORY MEMBERS.—The National  
13 Cyber Director shall identify and appoint advi-  
14 sory members from non-Federal entities that  
15 shall advise the council based on recommenda-  
16 tions submitted by the principal members.

17 (4) DATA STREAMS.—The council shall identify,  
18 designate, and periodically update programs that  
19 shall participate in or be interoperable with the in-  
20 formation collaboration environment, which may in-  
21 clude—

22 (A) network-monitoring and intrusion de-  
23 tection programs;

24 (B) cyber threat indicator sharing pro-  
25 grams;

1 (C) certain network sensor programs or  
2 network-monitoring programs;

3 (D) incident response and cybersecurity  
4 technical assistance programs; or

5 (E) malware forensics and reverse-engi-  
6 neering programs.

7 (5) DATA PRIVACY.—

8 (A) REQUIREMENT.—The council shall es-  
9 tablish a committee to establish procedures and  
10 data governance structures, as necessary, to  
11 protect data shared in the information collabo-  
12 ration environment, comply with Federal regu-  
13 lations and statutes, and respect existing con-  
14 sent agreements with public and private sector  
15 critical infrastructure entities that apply to crit-  
16 ical infrastructure information.

17 (B) MEMBERSHIP.—The committee shall  
18 be comprised of—

19 (i) the senior official for privacy of the  
20 Office of Management and Budget, who  
21 shall serve as the chair of the committee;  
22 and

23 (ii) privacy officers from the Depart-  
24 ment of Homeland Security, the Depart-  
25 ment of Defense, the Department of Jus-

1                   tice, and the Office of the Director of Na-  
2                   tional Intelligence.

3                   (6) RULE OF CONSTRUCTION.—Nothing in this  
4                   subsection may be construed as changing existing  
5                   ownership or protection of, or policies and processes  
6                   for access to, agency data.

7                   (d) NATIONAL SECURITY SYSTEMS.—Nothing in this  
8                   section shall apply to a national security system, or to cy-  
9                   bersecurity threat intelligence related to such systems,  
10                  without the consent of the owner and operator of the sys-  
11                  tem.

12                  (e) DEFINITIONS.—In this section:

13                   (1) The term “appropriate congressional com-  
14                   mittees” means the following:

15                   (A) The Committee on Homeland Security,  
16                   the Committee on the Judiciary, the Committee  
17                   on Armed Services, the Committee on Oversight  
18                   and Reform, and the Permanent Select Com-  
19                   mittee on Intelligence of the House of Rep-  
20                   resentatives.

21                   (B) The Committee on Homeland Security  
22                   and Governmental Affairs, the Committee on  
23                   the Judiciary, the Committee on Armed Serv-  
24                   ices, and the Select Committee on Intelligence  
25                   of the Senate.

1           (2) The term “critical infrastructure informa-  
2           tion” has the meaning given such term in section  
3           2222 of the Homeland Security Act of 2002 (6  
4           U.S.C. 671).

5           (3) The term “cyber threat indicator” has the  
6           meaning given such term in section 102 of the Cy-  
7           bersecurity Act of 2015 (6 U.S.C. 1501).

8           (4) The term “cybersecurity threat” has the  
9           meaning given such term in section 102 of the Cy-  
10          bersecurity Act of 2015 (6 U.S.C. 1501).

11          (5) The term “data asset” has the meaning  
12          given such term in section 3502 of title 44, United  
13          States Code.

14          (6) The term “environment” means the infor-  
15          mation collaboration environment established under  
16          subsection (a).

17          (7) The term “information sharing and analysis  
18          organization” has the meaning given such term in  
19          section 2222 of the Homeland Security Act of 2002  
20          (6 U.S.C. 671).

21          (8) The term “intelligence community” has the  
22          meaning given such term in section 3(4) of the Na-  
23          tional Security Act of 1947 (50 U.S.C. 3003(4)).

1           (9) The term “national security system” has  
2           the meaning given such term in section 3552 of title  
3           44, United States Code.

4           (10) The term “non-Federal entity” has the  
5           meaning given such term in section 102 of the Cy-  
6           bersecurity Act of 2015 (6 U.S.C. 1501).

7           (11) The term “Sector Risk Management Agen-  
8           cy” has the meaning given such term in section  
9           2201 of the Homeland Security Act of 2002 (6  
10          U.S.C. 651).

1                   **Subtitle B—Information**  
2                                   **Operations**

3 **SEC. 1511.[Log 75006] MILITARY OPERATIONS IN INFORMA-**  
4                                   **TION ENVIRONMENT: AUTHORITY AND NOTI-**  
5                                   **FICATIONS.**

6           (a) IN GENERAL.—Chapter 19 of title 10, United  
7 States Code, is amended by inserting after section 397 the  
8 following new section (and conforming the table of con-  
9 tents at the beginning of such chapter accordingly):

10 **“§ 398. Military operations in information environ-**  
11                                   **ment: authority and notification require-**  
12                                   **ments**

13           “(d) NOTIFICATION REQUIREMENTS.—(1) The Sec-  
14 retary of Defense shall promptly submit to the appropriate  
15 congressional committees notice in writing of any clandes-  
16 tine military operation in the information environment  
17 conducted under this title no later than 48 hours following  
18 such operation.

19           “(2)(A) The Secretary shall establish and submit to  
20 the appropriate congressional committees procedures for  
21 complying with the requirements of paragraph (1). The  
22 Secretary shall promptly notify the appropriate congres-  
23 sional committees in writing of any changes to such proce-  
24 dures at least 14 days prior to the adoption of any such  
25 changes.



1           “(B) The appropriate congressional committees shall  
2 ensure that committee procedures designed to protect  
3 from unauthorized disclosure classified information relat-  
4 ing to national security of the United States are sufficient  
5 to protect the information that is submitted to the com-  
6 mittees pursuant to this section.

7           “(C) In the event of an unauthorized disclosure of  
8 a clandestine military operation in the information envi-  
9 ronment covered by this section, the Secretary shall en-  
10 sure, to the maximum extent practicable, that the appro-  
11 priate congressional committees are notified immediately  
12 of the clandestine military operation in the information en-  
13 vironment concerned. The notification under this para-  
14 graph may be verbal or written, but in the event of a  
15 verbal notification a written notification shall be provided  
16 by not later than 48 hours after the provision of the verbal  
17 notification.

18           “(e) PROHIBITION.—No clandestine military oper-  
19 ation in the information environment may be conducted  
20 which is intended to influence United States political proc-  
21 esses, public opinion, policies, or media.”.

22           (b) TRANSFER.—Section 1631 of the National De-  
23 fense Authorization Act for Fiscal Year 2020 (Public Law  
24 116–92; 133 Stat. 1741) is amended as follows:

25                   (1) Subsections (b), (c), and (d) are—

1 (A) transferred to section 398 of title 10,  
2 United States Code, as added by subsection (a)  
3 of this section;

4 (B) inserted before subsection (b) of such  
5 section 398; and

6 (C) redesignated as subsections (a), (b),  
7 and (c), respectively.

8 (2) Subsection (e) is—

9 (A) transferred to such section 398;

10 (B) inserted after subsection (e) of such  
11 section; and

12 (C) redesignated as subsection (f).

13 (3) Subsection (i) is—

14 (A) transferred to such section 398;

15 (B) inserted after subsection (f) of such  
16 section; and

17 (C) redesignated as subsection (g).

18 (c) QUARTERLY BRIEFINGS.—Subsection (c) of sec-  
19 tion 398 of title 10, United States Code, as added by sub-  
20 section (a) of this section and designated by subsection  
21 (b), is amended by striking “congressional defense com-  
22 mittees” and inserting “appropriate congressional com-  
23 mittees”.

24 (d) DEFINITIONS.—Subsection (g) of section 398 of  
25 title 10, United States Code, as added by subsection (a)

1 of this section and designated by subsection (b), is amend-  
2 ed—

3 (1) in paragraph (3), by inserting “in the infor-  
4 mation environment” before “, or associated”; and

5 (2) by adding at the end the following new  
6 paragraph:

7 “(4) The term ‘appropriate congressional com-  
8 mittees’ means—

9 “(A) the congressional defense committees;

10 “(B) the Committee on Foreign Affairs  
11 and the Permanent Select Committee on Intel-  
12 ligence of the House of Representatives; and

13 “(C) the Committee on Foreign Relations  
14 and the Select Committee on Intelligence of the  
15 Senate.”.

1 **SEC. 1513.[Log 75360] JOINT INFORMATION OPERATIONS**  
2 **COURSE.**

3 (a) JOINT INFORMATION OPERATIONS COURSE.—  
4 The Secretary of Defense shall provide to members of the  
5 Army, Navy, Air Force, Marine Corps, and Space Force  
6 a course to prepare the members to plan and conduct in-  
7 formation operations in a joint environment pursuant to  
8 title 10, United States Code. Such course shall include—

9 (1) standardized qualifications and procedures  
10 to enable the joint and synchronized employment of  
11 information-related capabilities in the information  
12 environment;

13 (2) joint methods to implement information op-  
14 erations in a battlefield environment under any  
15 ground force chain of command; and

16 (3) a curriculum covering applicable assets, core  
17 information operations concepts, integration of ef-  
18 fects with a specific focus on information-related ef-  
19 fects, operational methodology, multi-dimensional  
20 targeting space, other information-related capabili-  
21 ties defined by governing policy, instruction, publica-  
22 tions, and doctrine, and any other topics or areas  
23 determined necessary by the Secretary.

24 (b) SEMIANNUAL REPORTS.—On a semiannual basis  
25 through January 1, 2028, the Secretary shall submit to  
26 the congressional defense committees a report on the

1 course provided under subsection (a). Each report shall  
2 include, with respect to the period covered by the report—

3 (1) the number of members described in sub-  
4 section (a) who attended the course; and

5 (2) an assessment of the value of the course  
6 in—

7 (A) conducting joint operations in the in-  
8 formation environment; and

9 (B) the synchronized employment of infor-  
10 mation-related capabilities in the information  
11 environment.

1           **Subtitle C—Reports and Other**  
2                           **Matters**

3   **SEC. 1531.[Log 75476] ANNUAL REPORTS ON SUPPORT BY**  
4                           **MILITARY DEPARTMENTS FOR CYBERSPACE**  
5                           **OPERATIONS.**

6           Chapter 19 of title 10, United States Code is amend-  
7   ed by inserting after section 391 the following new section  
8   (and conforming the table of sections at the beginning of  
9   such chapter accordingly):

10   **“§ 391a. Annual reports on support by military de-**  
11                           **partments for cyberspace operations**

12           “(a) REPORTS.—Not later than 15 days after the  
13   date on which the Secretary of Defense submits to Con-  
14   gress the defense budget materials (as defined in section  
15   239 of this title) for fiscal year 2024 and each fiscal year  
16   thereafter, the Commander of the United States Cyber  
17   Command shall submit to the congressional defense com-  
18   mittees a report containing the following:

19                   “(1) An evaluation of whether each military de-  
20                   partment is meeting the requirements established by  
21                   the Commander and validated by the Office of the  
22                   Secretary of Defense.

23                   “(2) For each military department evaluated  
24                   under paragraph (1)—

1           “(A) a certification that the military de-  
2           partment is meeting such requirements; or

3           “(B) a detailed explanation regarding how  
4           the military department is not meeting such re-  
5           quirements.

6           “(b) ELEMENTS OF EVALUATION.—Each evaluation  
7           under subsection (a)(1) shall include, with respect to the  
8           military department being evaluated, the following:

9           “(1) The adequacy of the policies, procedures,  
10          and execution of manning, training, and equipping  
11          personnel for employment within the cyber mission  
12          force.

13          “(2) The adequacy of the policies and proce-  
14          dures relating to the assignment and assignment  
15          length of members of the Army, Navy, Air Force,  
16          Marine Corps, or Space Force to the cyber mission  
17          force.

18          “(3) The adequacy of the investment towards  
19          cyber-peculiar science and technology advancements,  
20          with an emphasis on capability development for the  
21          cyber mission force.

22          “(4) The sufficiency of the policies, procedures,  
23          and investments towards the military occupational  
24          specialty, designator, rating, or Air Force specialty  
25          code responsible for cyberspace operations.

1           “(5) In coordination with the Principal Cyber  
2           Advisor to the Secretary of Defense, an evaluation  
3           of the use by the military department of the shared  
4           lexicon of the Department of Defense specific to  
5           cyberspace activities.

6           “(6) The readiness of the members contributing  
7           to the cyber mission force and the cyberspace oper-  
8           ations forces.

9           “(7) Any other element determined relevant by  
10          the Commander.”.



1           **Subtitle A—Space Activities**

2   **SEC. 1601. [Log 75571] REQUIREMENTS FOR PROTECTION**  
3                   **OF SATELLITES.**

4           Chapter 135 of title 10, United States Code, is  
5 amended by inserting after section 2275 the following new  
6 section (and conforming the table of sections at the begin-  
7 ning of such chapter accordingly):

8   **“§ 2275a. Requirements for protection of satellites**

9           “(a) ESTABLISHMENT OF REQUIREMENTS.—Before  
10 a major satellite acquisition program achieves milestone  
11 A approval, or equivalent, the Chief of Staff of the Space  
12 Force, in consultation with the Commander of the United  
13 States Space Command, shall establish requirements for  
14 the defense and resilience of the satellites under that pro-  
15 gram against the capabilities of adversaries to target, de-  
16 grade, or destroy the satellites.

17           “(b) DEFINITIONS.—In this section:

18                   “(1) The term ‘major satellite acquisition pro-  
19 gram’ has the meaning given that term in section  
20 2275 of this title.

21                   “(2) The term ‘Milestone A approval’ has the  
22 meaning given that term in section 4251 of this title  
23 10.”.

1 **SEC. 1602.[Log 75028] STRATEGY ON PROTECTION OF SAT-**  
2 **ELLITES.**

3 (a) FINDINGS.—Congress finds the following:

4 (1) Both Russia and China have demonstrated  
5 the capability to target, degrade, and destroy sat-  
6 ellites on orbit, whether through kinetic or non-  
7 kinetic means.

8 (2) As recently as November 15, 2021, Russia  
9 demonstrated a direct ascent antisatellite weapon.

10 (3) Also in 2021, China successfully “grappled”  
11 a satellite and dragged the satellite out of its orbit  
12 to another location in space, a capability that could  
13 be used on any other object in space, including sat-  
14 ellites of the Department of Defense.

15 (b) STRATEGY.—

16 (1) REQUIREMENT.—Not later than 90 days  
17 after the date of the enactment of this Act, the Sec-  
18 retary of Defense, in coordination with the Director  
19 of National Intelligence, shall make publicly avail-  
20 able a strategy containing the actions that will be  
21 taken to defend and protect on-orbit satellites of the  
22 Department of Defense and the intelligence commu-  
23 nity from the capabilities of adversaries to target,  
24 degrade, or destroy satellites.

25 (2) FORMS.—The Secretary shall—

1 (A) make the strategy under paragraph (1)  
2 publicly available in unclassified form; and

3 (B) submit to the appropriate congress-  
4 sional committees an annex, which may be sub-  
5 mitted in classified form, containing supporting  
6 documents to the strategy.

7 (c) DEFINITIONS.—In this section:

8 (1) The term “appropriate congressional com-  
9 mittees” means—

10 (A) the congressional defense committees;  
11 and

12 (B) the Permanent Select Committee on  
13 Intelligence of the House of Representatives  
14 and the Select Committee on Intelligence of the  
15 Senate.

16 (2) The term “intelligence community” has the  
17 meaning given that term in section 3(4) of the Na-  
18 tional Security Act of 1947 (50 U.S.C. 3003(4)).

1 **SEC. 1603.[Log 75244] REPORT ON TACTICALLY RESPON-**  
2 **SIVE SPACE CAPABILITIES.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that—

5 (1) the Space Safari tactically responsive  
6 launch-2 mission of the Space Systems Command of  
7 the Space Force successfully demonstrated the abil-  
8 ity of the Space Force to rapidly integrate, launch,  
9 and operate a satellite on orbit on a timeline that  
10 would be needed for rapid reconstitution or to re-  
11 spond to real-time hostile activities occurring in the  
12 domain;

13 (2) the Space Force should continue these ef-  
14 forts, and broaden the program beyond the logistics  
15 of launch and operations to also focus on lifecycle  
16 concepts of operation, as well as any contractual  
17 mechanisms that should be required in future pro-  
18 grams to take into account the need for rapid recon-  
19 stitution and responsiveness;

20 (3) the Chief of Space Operations should for-  
21 malize tactically responsive requirements for all  
22 space capabilities carried out under title 10, United  
23 States Code; and

24 (4) to take into totality the effort required for  
25 tactically responsive launch, the Space Force should  
26 consider adding a corresponding budget line item for

1       “Tactically Responsive Space” to fund areas beyond  
2       launch that would contribute to responsive space ac-  
3       tivities.

4       (b) REPORT.—Not later than 30 days after the date  
5       on which the budget of the President for fiscal year 2024  
6       is submitted to Congress pursuant to section 1105 of title  
7       31, United States Code, the Chief of Space Operations  
8       shall submit to the congressional defense committees a re-  
9       port on planned tactically responsive space activities pur-  
10      suant to section 1609 of the William M. (Mac) Thornberry  
11      National Defense Authorization Act for Fiscal Year 2021  
12      (Public Law 116–283; 10 U.S.C. 2271 note) included dur-  
13      ing the period covered by the most recent future-years de-  
14      fense program submitted under section 221 of title 10,  
15      United States Code (as of the date of the report), includ-  
16      ing a detailed budget plan for launch activities and all  
17      other efforts needed to enable tactically responsive space  
18      capabilities.

1 **SEC. 1604.[Log 75237] NATIONAL SECURITY SPACE LAUNCH**  
2 **PROGRAM.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that—

5 (1) the acquisition approach for phase three of  
6 the National Security Space Launch program should  
7 account for changes in the launch industry and  
8 planned architectures of the Space Force;

9 (2) the supply of launches for phase three may  
10 be impacted by increases in commercial space launch  
11 demand;

12 (3) the Secretary of the Air Force should ex-  
13 plore new and innovative acquisition approaches to  
14 leverage launch competition within the commercial  
15 market; and

16 (4) in developing the acquisition strategy for  
17 phase three, the Secretary should—

18 (A) consider the scope of phase three  
19 manifest requirements in comparison to the Or-  
20 bital Services Program and other potential con-  
21 tract vehicles for launches;

22 (B) ensure the continued assured access to  
23 space;

24 (C) emphasize free, fair, and open competi-  
25 tion;

1 (D) capitalize on competition across the  
2 commercial launch industry;

3 (E) examine all possible options for award-  
4 ing contracts for launches during the period  
5 covered by the phase, including, block-buys, in-  
6 definite delivery, indefinite quantity, or a hybrid  
7 approach;

8 (F) consider tailorable mission assurance  
9 options informed by previous launch vehicle per-  
10 formance metrics;

11 (G) include options for adding launch pro-  
12 viders, launch systems, or both, during the exe-  
13 cution of phase three to address manifest  
14 changes beyond the planned national security  
15 space unique launches at the time of initial  
16 award;

17 (H) maintain understanding of the com-  
18 mercial launch industry and launch capacity  
19 needed to fulfill the requirements of the Na-  
20 tional Security Space Launch program; and

21 (I) allow for rapid development and on-  
22 orbit deployment of enabling and trans-  
23 formational technologies required to address  
24 emerging requirements, including with respect  
25 to—

- 1 (i) delivery of in-space transportation,  
2 logistics, and on-orbit servicing capabilities  
3 to enhance the persistence, sensitivity, and  
4 resiliency of national security space mis-  
5 sions in a contested space environment;
- 6 (ii) proliferated low-Earth orbit con-  
7 stellation deployment;
- 8 (iii) routine access to extended orbits  
9 beyond geostationary orbits, including  
10 cislunar orbits;
- 11 (iv) payload fairings that exceed cur-  
12 rent launch requirements;
- 13 (v) increased responsiveness for heavy  
14 lift capability;
- 15 (vi) the ability to transfer orbits, in-  
16 cluding point-to-point orbital transfers;
- 17 (vii) capacity and capability to execute  
18 secondary deployments;
- 19 (viii) high-performance upper stages;
- 20 (ix) vertical integration; and
- 21 (x) other new missions that are out-  
22 side the parameters of the nine design ref-  
23 erence missions that exist as of the date of  
24 the enactment of this Act.



1           (b) QUARTERLY BRIEFINGS.—On a quarterly basis  
2 until the date on which the Secretary of the Air Force  
3 awards a phase three contract, the Commander of the  
4 Space Systems Command shall provide to the appropriate  
5 congressional committees a briefing on the development of  
6 the phase three acquisition strategy, including how the  
7 matters described subsection (a) are being considered in  
8 such strategy.

9           (c) NOTIFICATION OF RESULTS OF MISSION ASSIGN-  
10 MENT BOARD.—Not later than 14 days after the date on  
11 which a phase two mission assignment board is completed,  
12 the Commander of the Space Systems Command shall no-  
13 tify the appropriate congressional committees of the  
14 launch assignment results of the board.

15           (d) DEFINITIONS.—In this section:

16               (1) The term “appropriate congressional com-  
17 mittees” means—

18                       (A) the congressional defense committees  
19 with respect to all briefings provided under sub-  
20 section (b) and notifications made under sub-  
21 section (c); and

22                       (B) in addition to the congressional de-  
23 fense committees, the Permanent Select Com-  
24 mittee on Intelligence of the House of Rep-

1           representatives and the Select Committee on Intel-  
2           ligence of the Senate with respect to—

3                   (i) briefings required under subsection  
4                   (b) regarding requirements of the intel-  
5                   ligence community being incorporated into  
6                   phase three planning; and

7                   (ii) notifications made under sub-  
8                   section (c) regarding an assignment that  
9                   includes capabilities being launched for the  
10                  intelligence community.

11           (2) The term “intelligence community” has the  
12           meaning given that term in section 3(4) of the Na-  
13           tional Security Act of 1947 (50 U.S.C. 3003(4)).

14           (2) The term “phase three” means, with re-  
15           spect to the National Security Space Launch pro-  
16           gram, launch missions ordered under the program  
17           after fiscal year 2024.

18           (3) The term “phase two” means, with respect  
19           to the National Security Space Launch program,  
20           launch missions ordered under the program during  
21           fiscal years 2020 through 2024.

1 **SEC. 1612.[Log 74805] INFORMATION ON COVER AND COVER**  
2 **SUPPORT ACTIVITIES.**

3 (a) INFORMATION.—Not less frequently than quar-  
4 terly, the Secretary of Defense shall provide to the appro-  
5 priate congressional committees information on the cover  
6 and cover support activities of the Department of Defense,  
7 including commercial activities conducted pursuant to sec-  
8 tion 431 of title 10, United States Code.

9 (b) ELEMENTS.—The Secretary shall ensure that the  
10 information provided under subsection (a) includes, with  
11 respect to the period covered by the information, the fol-  
12 lowing:

13 (1) A detailed description of each activity, oper-  
14 ation, or other initiative for which an element of the  
15 Department of Defense has provided cover or en-  
16 gaged in cover support activities, including—

17 (A) a description of the specific cover and  
18 cover support activities; and

19 (B) whether such cover and cover support  
20 activities began before or during such period.

21 (2) Any other matters the Secretary determines  
22 appropriate.

23 (c) FORM.—The information under subsection (a)  
24 may be provided in classified form.

1 (d) APPROPRIATE CONGRESSIONAL COMMITTEES

2 DEFINED.—In this section, the term “appropriate con-

3 gressional committees” means—

4 (1) the congressional defense committees; and

5 (2) the Permanent Select Committee on Intel-

6 ligence of the House of Representatives and the Se-

7 lect Committee on Intelligence of the Senate.

1 **SEC. 1632.[Log 75268] FIRE CONTROL ARCHITECTURES.**

2 (a) SENSE OF CONGRESS.—It is the sense of Con-  
3 gress that—

4 (1) the new missile track and warning architec-  
5 ture in the budget request of the President for fiscal  
6 year 2023 makes a needed and significant shift to  
7 a more resilient and robust capability that will be  
8 necessary to address future threats in the domain;

9 (2) the tranche 1 and 2 capabilities of the  
10 Space Development Agency are critical to such new  
11 architecture and should continue to be funded ap-  
12 propriately to deliver missile track and warning ca-  
13 pability from low-Earth orbit in the mid-2020's  
14 timeframe;

15 (3) section 1645 of the William M. (Mac)  
16 Thornberry National Defense Authorization Act for  
17 Fiscal Year 2021 (Public Law 116–283; 134 Stat.  
18 4062) directs the Director of the Missile Defense  
19 Agency to develop a sensor payload to be integrated  
20 into architecture of the Space Development Agency  
21 or Space Force to provide fire control quality data  
22 that would enable the interception of both ballistic  
23 and hypersonic threats;

24 (4) as the Space Warfighting Analysis Center  
25 of the Space Force reviews candidate architectures  
26 for fire control quality data, the Center should take

1 into account the investment made to date and capa-  
2 bility being developed by the hypersonic and ballistic  
3 tracking space sensor program for integration into  
4 the future architecture; and

5 (5) the Center should also consider current or  
6 planned programs of the intelligence community that  
7 could be integrated to increase the ability to con-  
8 tribute to fire control architectures of the Depart-  
9 ment of Defense.

10 (b) FIRE CONTROL QUALITY DATA REQUIRE-  
11 MENT.—In carrying out the analysis of candidate fire con-  
12 trol architectures, the Secretary of the Air Force shall en-  
13 sure that the Director of the Space Warfighting Analysis  
14 Center of the Space Force, at a minimum, maintains the  
15 requirements needed for the missile defense command and  
16 control, battle management, and communications system  
17 to pass the needed quality data within the timelines need-  
18 ed for current and planned interceptor systems to support  
19 engagements of ballistic and hypersonic threats as de-  
20 scribed in section 1645 of the William M. (Mac) Thorn-  
21 berry National Defense Authorization Act for Fiscal Year  
22 2021 (Public Law 116–283; 134 Stat. 4062).

23 (c) BRIEFING.—Not later than 14 days after the date  
24 on which the Director of the Space Warfighting Analysis  
25 Center concludes the analysis of candidate fire control ar-

1 chitectures, the Director shall provide to the Committees  
2 on Armed Services of the House of Representatives and  
3 the Senate a briefing on the results of the analysis, includ-  
4 ing the findings of the Director and the architecture rec-  
5 ommended by the Director for a future fire control archi-  
6 tecture to support engagement of ballistic and hypersonic  
7 threats.

1 **SEC. 1636.[Log 75242] PLAN ON DELIVERING SHARED**  
2 **EARLY WARNING SYSTEM DATA TO CERTAIN**  
3 **ALLIES AND PARTNERS OF THE UNITED**  
4 **STATES.**

5 (a) FINDINGS.—Congress finds the following:

6 (1) The Shared Early Warning System cur-  
7 rently provides accurate and timely ballistic missile  
8 warning information generated by space-based infra-  
9 red sensors to the United States and select foreign  
10 countries.

11 (2) As has been demonstrated in Russia's un-  
12 lawful invasion of and war in Ukraine, missile warn-  
13 ing data provided to allies and partners of the  
14 United States could allow for critical warning to pre-  
15 vent widespread civilian casualties.

16 (3) The rapid technical fielding of Shared Early  
17 Warning System capabilities should be prioritized in  
18 future bilateral defense negotiations with allies and  
19 partners of the United States.

20 (b) PLAN.—The Secretary of Defense, with the con-  
21 currence of the Secretary of State and the Director of Na-  
22 tional Intelligence, shall develop a technical fielding plan  
23 to deliver information under the Shared Early Warning  
24 System regarding a current or imminent missile threat to  
25 allies and partners of the United States that, as of the  
26 date of the plan, do not receive such information.



1 (c) REPORT.—Not later than 180 days after the date  
2 of the enactment of this Act, the Secretary of Defense  
3 shall submit to the appropriate congressional committees  
4 a report on how rapid technical fielding of the Shared  
5 Early Warning System could be provided to allies and  
6 partners of the United States that—

7 (1) are not member states of the North Atlantic  
8 Treaty Organization; and

9 (2) are under current or imminent hostile ag-  
10 gression and threat of missile attack.

11 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
12 DEFINED.—In this section, the term “appropriate con-  
13 gressional committees” means the following:

14 (1) The congressional defense committees.

15 (2) The Committee on Foreign Affairs and the  
16 Permanent Select Committee on Intelligence of the  
17 House of Representatives.

18 (3) The Committee on Foreign Relations and  
19 the Select Committee on Intelligence of the Senate.

1                   **Subtitle E—Other Matters**

2   **SEC. 1641.[Log 75078] COOPERATIVE THREAT REDUCTION**  
3                   **FUNDS.**

4           (a) **FUNDING ALLOCATION.**—Of the \$341,598,000  
5 authorized to be appropriated to the Department of De-  
6 fense for fiscal year 2023 in section 301 and made avail-  
7 able by the funding table in division D for the Department  
8 of Defense Cooperative Threat Reduction Program estab-  
9 lished under section 1321 of the Department of Defense  
10 Cooperative Threat Reduction Act (50 U.S.C. 3711), the  
11 following amounts may be obligated for the purposes spec-  
12 ified:

13                   (1) For strategic offensive arms elimination,  
14                   \$6,859,000.

15                   (2) For chemical security and elimination,  
16                   \$14,998,000.

17                   (3) For global nuclear security, \$18,088,000.

18                   (4) For biological threat reduction,  
19                   \$225,000,000.

20                   (5) For proliferation prevention, \$45,890,000.

21                   (6) For activities designated as Other Assess-  
22                   ments/Administration Costs, \$30,763,000.

23           (b) **SPECIFICATION OF COOPERATIVE THREAT RE-**  
24 **DUCTION FUNDS.**—Funds appropriated pursuant to the  
25 authorization of appropriations in section 301 and made

1 available by the funding table in division D for the Depart-  
2 ment of Defense Cooperative Threat Reduction Program  
3 shall be available for obligation for fiscal years 2023,  
4 2024, and 2025.

1 **SEC. 1701 [Log 75426]. MODIFICATION TO SPECIAL DE-**  
2 **FENSE ACQUISITION FUND.**

3 Section 114(c)(1) of title 10, United States Code, is  
4 amended by striking “\$2,500,000,000” and inserting  
5 “\$3,500,000,000”.

1 **SEC. 1702 [Log 75553]. DEVELOPMENT OF TECHNOLOGIES**  
2 **WITH RESPECT TO CRITICAL, PREFERRED,**  
3 **AND PRECISION-GUIDED CONVENTIONAL MU-**  
4 **NITIONS.**

5 (a) IN GENERAL.—Subject to the availability of ap-  
6 propriations, the Under Secretary of Defense for Research  
7 and Engineering and the Under Secretary of Defense for  
8 Acquisition and Sustainment, in coordination with the  
9 Secretaries of the Army, Navy, and Air Force and the  
10 heads of the Defense Agencies, shall develop and invest  
11 in the following with respect to critical, preferred, and pre-  
12 cision-guided conventional munitions:

13 (1) Technologies to—

14 (A) reduce the costs of such munitions;

15 (B) increase the reliability and lethality of  
16 such munitions; and

17 (C) simplify the manufacturing processes  
18 for such munitions.

19 (2) Technologies related to the diversification of  
20 the supply chains relevant to the production of such  
21 munitions.

22 (3) The development of novel methods to more  
23 easily and affordably manufacture such munitions,  
24 including the capability of rapid production scaling  
25 to meet required demand.

1 (b) TYPES OF TECHNOLOGIES.—The types of tech-  
2 nologies developed under subsection (a) shall include—

3 (1) the additive manufacturing of components,  
4 including energetics;

5 (2) expeditionary manufacturing;

6 (3) simplified supply chains, including, where  
7 possible, the use of open source, commercial, and  
8 commercial-derived technologies, including microelec-  
9 tronics; and

10 (4) such other technologies as the Under Secre-  
11 taries determine appropriate.

12 (c) REPORT.—Not later than 90 days after the date  
13 of the enactment of this Act, the Under Secretaries shall  
14 jointly submit to the congressional defense committees a  
15 report on the plan to carry out this section.

1 **SEC. 1703 [Log 75162]. SENSE OF CONGRESS AND QUAR-**  
2 **TERLY BRIEFINGS ON REPLENISHMENT AND**  
3 **REVITALIZATION OF STOCKS OF TACTICAL**  
4 **MISSILES PROVIDED TO UKRAINE.**

5 (a) SENSE OF CONGRESS.—It is the sense of Con-  
6 gress that—

7 (1) the delivery of anti-tank and air defense  
8 missiles and munitions to Ukraine by the United  
9 States and numerous allies and partners around the  
10 world has had a crucial impact on the ability of  
11 Ukraine to resist Russia’s illegal invasion;

12 (2) the war in Ukraine has demonstrated the  
13 utility of these weapons in contemporary military  
14 conditions;

15 (3) it is vital to continue providing Ukraine  
16 with such assistance, as needed, in an appropriately  
17 rapid and sustained manner;

18 (4) the ability of the Department of Defense to  
19 support replenishment of these stocks is a matter of  
20 major importance for—

21 (A) the provision of additional support, as  
22 needed, to Ukraine;

23 (B) the defense needs of the United States;

24 and

1 (C) the defense needs of allies and part-  
2 ners that have provided, or are considering pro-  
3 viding, their own stocks to assist Ukraine.

4 (5) in response to the March 18, 2022, letter  
5 sent by the Chairman and Ranking Member of the  
6 Committee on Armed Services of the House of Rep-  
7 resentatives, the Department of Defense responded  
8 effectively with efforts to buy down strategic risk  
9 and accelerate production of air defense munitions;

10 (6) the effort to replace existing stocks while  
11 prioritizing the rapid development of a low-cost, ex-  
12 portable evolution of a short-range air defense sys-  
13 tem should proceed as quickly and efficiently as pos-  
14 sible;

15 (7) the Department of Defense should continue  
16 to develop and pursue this strategy while providing  
17 full transparency into its efforts to buy down stra-  
18 tegic risk and engaging in substantial dialogue re-  
19 garding the path forward;

20 (8) the Department of Defense should use its  
21 authorities to work with allies and partners in a fo-  
22 cused and sustained manner to advance the replen-  
23 ishment of munitions stocks for allies and partners  
24 that have provided, or are contemplating providing,  
25 such equipment to Ukraine, in order to ensure they



1           are capable of meeting ongoing alliance and partner-  
2           ship deterrence and security needs.

3           (b) QUARTERLY BRIEFINGS.—The Secretary of De-  
4           fense shall provide to Congress quarterly briefings, in ac-  
5           cordance with subsection (c), on the progress of the De-  
6           partment of Defense toward replenishing and sustaining  
7           the production capacity and stocks of covered systems that  
8           have been delivered to Ukraine as part of the effort to—

9                   (1) support Ukraine’s resistance against Rus-  
10           sian aggression; and

11                   (2) buy down strategic risks.

12           (c) ELEMENTS OF BRIEFINGS.—

13                   (1) BRIEFINGS ON US STOCKS.—The Secretary  
14           of Defense shall provide to the congressional defense  
15           committees quarterly briefings that include each of  
16           the following:

17                           (A) A timeline and budgetary estimate for  
18           developing and procuring replacement stocks of  
19           covered systems for the United States.

20                           (B) An identification of any opportunities  
21           to allow vendors to compete for agreements to  
22           produce next-generation short-range tactical  
23           missiles, launchers, fire controls, and any other  
24           supporting equipment.

1           (C) An analysis of risks within the indus-  
2           trial base that provides support for covered sys-  
3           tems, and detailed options to mitigate those  
4           risks.

5           (D) A discussion of options to maximize  
6           competition among providers of covered systems  
7           and components thereof, and an identification  
8           of any gaps in legal authority to pursue and  
9           achieve the objectives of maximizing competi-  
10          tion and replenishing and sustaining the pro-  
11          duction capacity of covered systems.

12          (E) An update on the use of the authori-  
13          ties of the Department of Defense to replenish  
14          and sustain the production capacity and stocks  
15          of covered systems referred to in subsection (b).

16          (2) BRIEFINGS ON STOCKS OF ALLIES AND  
17          PARTNERS.—The Secretary of Defense shall provide  
18          to the congressional defense committees, the Com-  
19          mittee on Foreign Affairs of the House of Rep-  
20          resentatives, and the Committee on Foreign Rela-  
21          tions of the Senate quarterly briefings that include  
22          each of the following:

23                 (A) A timeline and budgetary estimate for  
24                 developing and procuring replacement stocks of

1 covered systems for allies and partners of the  
2 United States.

3 (B) An update on the efforts of the De-  
4 partment to work with allies and partners of  
5 the United States to advance the replenishment  
6 of munitions stocks for such allies and partners  
7 that have provided, or are contemplating pro-  
8 viding, such stocks to Ukraine.

9 (d) COVERED SYSTEM.—In this section, the term  
10 “covered system” means any short-range tactical missile  
11 (including any SHORAD or anti-tank missile), loitering  
12 munition, drone, or ammunition.

13 (e) TERMINATION.—The requirement to provide  
14 quarterly briefings under this section shall terminate on  
15 December 31, 2026.

1 **SEC. 1705 [Log 75254]. FEDERALLY FUNDED RESEARCH AND**  
2 **DEVELOPMENT CENTER ANALYSIS OF DE-**  
3 **PARTMENT OF DEFENSE CAPABILITY AND**  
4 **CAPACITY TO REPLENISH MISSILE AND MU-**  
5 **NITION INVENTORIES.**

6 (a) SENSE OF CONGRESS.—It is the sense of Con-  
7 gress that the ongoing war in Ukraine has highlighted the  
8 importance of understanding the defense industrial base  
9 gaps and limitations of replenishing inventories of critical,  
10 preferred, and precision-guided weapon systems.

11 (b) FFRDC STUDY.—

12 (1) IN GENERAL.—Not later than 30 days after  
13 the date of the enactment of this Act, the Secretary  
14 of Defense shall seek to enter into an agreement  
15 with an appropriate federally funded research and  
16 development center for the conduct of a detailed  
17 analysis of the capability of the Department of De-  
18 fense replenish inventory of the weapons described in  
19 paragraph (3) to address air superiority, interdic-  
20 tion, air and missile defense, and hard and deeply  
21 buried target mission areas. Such an agreement  
22 shall provide that an analysis conducted pursuant to  
23 the agreement shall be completed within 180 days.

24 (2) MATTERS FOR CONSIDERATION.—An anal-  
25 ysis conducted pursuant to an agreement under  
26 paragraph (1) shall include a consideration of each

1 of the following with respect to the weapons de-  
2 scribed in paragraph (3):

3 (A) Any gaps in current or near-term pro-  
4 duction capability through 2025 or capacity due  
5 to the loss, impending loss, or obsolescence of  
6 manufacturers or suppliers of items, raw mate-  
7 rials, or software.

8 (B) The capability to significantly increase  
9 current levels of production beyond steady-state  
10 demand requirements, including an assessment  
11 of sub-tier supplier capacity, capability, and  
12 rates of production.

13 (C) The predicted production capability  
14 and capacity during the time period beginning  
15 in 2025 and ending in 2035, including the ca-  
16 pability to significantly increase production dur-  
17 ing that time period.

18 (D) The reliance of the United States on  
19 materials and parts that are produced or  
20 sourced in foreign countries, particularly in the  
21 case of such reliance on a sole-source producer  
22 or supplier, and an identification of the coun-  
23 tries of origin of such materials and parts.

24 (E) The capacity of the organic industrial  
25 base, including both Government-operated and

1 contractor-operated facilities, to support surge  
2 production, and an identification of the weap-  
3 ons that each such facilities is equipped, or  
4 could be equipped, to produce.

5 (3) WEAPONS DESCRIBED.—The weapons de-  
6 scribed in this paragraph are each of the following:

- 7 (A) Evolved sea sparrow missile.
- 8 (B) MK 48 heavyweight torpedo.
- 9 (C) Standard missile variants (SM-6, SM-  
10 3 block IB and SM-3 block IIA).
- 11 (D) Patriot guided missiles.
- 12 (E) Terminal high altitude area defense  
13 interceptors.
- 14 (F) Guided and ballistic missiles fired from  
15 the multiple launch rocket system (MLRS) or  
16 the high mobility artillery rocket system  
17 (HIMARS).
- 18 (G) Javelin missile.
- 19 (H) Stinger missile.
- 20 (I) Air intercept missile (AIM)-9X-Side-  
21 winder.
- 22 (J) AIM-120D - Advanced medium range  
23 air-to-air missile (AMRAAM).
- 24 (K) Air to ground (AGM)-114 - hellfire  
25 missile.

1 (L) Small diameter bomb II.

2 (M) Joint direct attack munition.

3 (N) Advanced penetrating bombs.

4 (O) Enhanced fragmentation bombs.

5 (P) Low collateral damage bombs.

6 (Q) Any other weapon that the Secretary  
7 of Defense or the federally funded research and  
8 development center determine should be in-  
9 cluded in the analysis.

10 (4) REPORT.—

11 (A) IN GENERAL.—Not later than 180  
12 days after entering into an agreement under  
13 subsection (a), the Secretary shall submit to the  
14 congressional defense committees a report con-  
15 taining the unaltered results of the analysis  
16 completed pursuant to the agreement.

17 (B) FORM.—The report required under  
18 subparagraph (A) shall be submitted in unclas-  
19 sified form, but may include a classified annex.

1 **SEC. 1706 [Log 75178]. OUT-YEAR UNCONSTRAINED TOTAL**  
2 **MUNITIONS REQUIREMENT, OUT-YEAR IN-**  
3 **VENTORY NUMBERS, AND CRITICAL MUNI-**  
4 **TIONS RESERVE.**

5 (a) ANNUAL REPORTING REQUIREMENTS.—Section  
6 222c of title 10, United States Code, is amended—

7 (1) in subsection (a)—

8 (A) by striking “the chief of staff of each  
9 armed force (other than the Coast Guard)” and  
10 inserting “the Under Secretary of Defense for  
11 Acquisition and Sustainment”;

12 (B) by striking “such armed force” and in-  
13 serting “each armed force (other than the  
14 Coast Guard)”; and

15 (C) by inserting “for each critical muni-  
16 tions program” after “the following”;

17 (2) by striking subsection (b);

18 (3) by redesignating subsections (c) and (d) as  
19 subsections (b) and (c), respectively;

20 (4) by amending subsection (c), as so redesign-  
21 nated, to read as follows:

22 “(c) IMPLEMENTATION GUIDANCE USED.—A report  
23 required to be submitted under subsection (a) for a fiscal  
24 year shall include a description and explanation of the mu-  
25 nitions requirements process implementation guidance de-  
26 veloped by the Under Secretary of Defense for Acquisition



1 and Sustainment and used by each armed force for the  
2 munitions requirements process for such armed force for  
3 that fiscal year. Such description and explanation shall in-  
4 clude each of the following:

5           “(1) A list of configurations fielded as of the  
6           date of the submittal of the report.

7           “(2) The percentage of the total munitions in-  
8           ventory that is fielded, by configuration.

9           “(3) The average shelf life and age of the muni-  
10          tions in the inventory and the percentage of the mu-  
11          nitions in the inventory that will exceed shelf life  
12          during the ten-year period following the date of the  
13          submittal of the report.

14          “(4) The number of years required to meet the  
15          out-year unconstrained total munitions requirement  
16          at the rate requested for the fiscal year covered by  
17          the report.

18          “(5) The average rate of procurement during  
19          the three-year period preceding the date of the sub-  
20          mittal of the report, and the number of years re-  
21          quired to meet the out-year unconstrained total mu-  
22          nitions requirement at such three-year average rate.

23          “(6) The additional amount of funding that  
24          would be required, for each fiscal year, to meet the  
25          out-year unconstrained total munitions requirement

1 for each munition by the end of the period covered  
2 by the most recent future-years defense program  
3 submitted to Congress pursuant to section 221 of  
4 this title.

5 “(7) Such other information as the Under Sec-  
6 retary determines is appropriate.”;

7 (5) by inserting after subsection (c) the fol-  
8 lowing new subsection (d):

9 “(d) CRITICAL MUNITIONS RESERVE.—(1) For each  
10 critical munitions program, the Under Secretary of De-  
11 fense for Acquisition and Sustainment shall establish and  
12 maintain a critical munitions reserve, through which the  
13 Under Secretary shall procure longest lead sub-compo-  
14 nents, concurrent with year production, to provide the ca-  
15 pability to quickly access the amount of critical munitions  
16 inventory required for one or more years in order to accel-  
17 erate the delivery of such munitions.

18 “(2) A critical munitions reserve under paragraph (1)  
19 may take the form of a rotatable pool to facilitate the timely  
20 use of critical munitions material while producing suffi-  
21 cient quantities of such material to maintain an ongoing  
22 reserve of such material.

23 “(3) The Under Secretary of Defense for Acquisition  
24 and Sustainment shall submit to the congressional defense  
25 committees quarterly reports on the critical munitions re-

1 serves maintained under this paragraph, which shall in-  
2 clude the recommendations of the Under Secretary with  
3 respect to—

4 “(A) the management of the critical munition  
5 reserves, including any recommendations for legisla-  
6 tive changes; and

7 “(B) critical munitions components for inclu-  
8 sion in the critical munitions reserves and funding  
9 requirements for each such component.”; and

10 (6) in subsection (e), as so redesignated, by  
11 striking paragraph (1) and inserting the following  
12 new paragraph (1):

13 “(1) The term ‘critical munition’ means a mu-  
14 nition that—

15 “(A) is considered to be among the most  
16 important for executing plan objectives in one  
17 or more conflict scenarios;

18 “(B) has an inventory that is insufficient  
19 to meet the requirements of the national de-  
20 fense strategy under section 113(g) of this title;  
21 and

22 “(C) has a projected inventory that is fore-  
23 casted to remain insufficient at the end of the  
24 period covered by the future-years defense pro-

1           gram most recently submitted to Congress pur-  
2           suant to section 221 of this title.”.

3           (b) REPORT ON CRITICAL MUNITIONS RESERVE.—

4 Not later than 90 days after the date of the enactment  
5 of this Act, the Under Secretary of Defense for Acquisition  
6 and Sustainment shall submit to the congressional defense  
7 committees a report on the progress of the Under Sec-  
8 retary in establishing the critical munitions reserves re-  
9 quired by subsection (d) of section 222c of title 10, United  
10 States Code, as added by subsection (a)(5).

1 **SEC. 1707 [Log 75267]. IDENTIFICATION OF SUBCONTRAC-**  
2 **TORS FOR CRITICAL MUNITIONS CONTRACTS.**

3 (a) IDENTIFICATION OF SUBCONTRACTORS.—Not  
4 later than 210 days after the date of the enactment of  
5 this Act, the Under Secretary of Defense for Acquisition  
6 and Sustainment shall carry out a pilot program to estab-  
7 lish a process for identifying subcontractors (at any tier)  
8 that, on the date on which the process described in sub-  
9 section (a) is implemented—

10 (1) are performing one or more critical muni-  
11 tions contracts; and

12 (2)(A) provide products to a prime contractor  
13 or a higher-tier subcontractor for such prime con-  
14 tractor under such a contract; or

15 (B) are responsible for the storage or handling  
16 of controlled unclassified information under such a  
17 contract.

18 (b) USE OF FRAMEWORK.—The Under Secretary  
19 shall, to the extent practicable, use the framework devel-  
20 oped under section 4819 of title 10, United States Code,  
21 to carry out the pilot program established under this sec-  
22 tion.

23 (c) IMPLEMENTATION PLAN.—Not later than 180  
24 days after the date of the enactment of this Act, the Under  
25 Secretary shall submit to the congressional defense com-  
26 mittees an implementation plan for the pilot program re-

1 quired by this section. Such plan shall include the fol-  
2 lowing:

3           (1) Information on the practices that will be  
4           used to apply processes established under the pilot  
5           program, including an identification of any practices  
6           used by the Missile Defense Agency or the Strategic  
7           Capabilities Office that identify subcontractors (at  
8           any tier) for covered contracts.

9           (2) A list of programs of the Department of  
10          Defense to which the Under Secretary will apply the  
11          process established under this section.

12          (d) RECOMMENDATIONS.—Not later than 90 days  
13          after the implementation of the pilot program required by  
14          this section, the Under Secretary shall submit to the con-  
15          gressional defense committees recommendations on the  
16          feasibility of expanding, beginning on or after November  
17          1, 2023, the pilot program established under this section  
18          to Department of Defense program under which a DO-  
19          rated order or a DX-rated order may be placed.

20          (e) DEFINITIONS.—In this section:

21               (1) The term “covered contract” means a crit-  
22               ical munitions contract for which a subcontractor (at  
23               any tier)—

1 (A) provides products to a prime con-  
2 tractor or a higher-tier subcontractor for such  
3 prime contractor; or

4 (B) is responsible for the storage or han-  
5 dling of controlled unclassified information.

6 (2) The term “critical munition” has the mean-  
7 ing given such term in section 1705 of this Act  
8 **【LOG 75178】**.

9 (3) The term “critical munitions contract”  
10 means a contract between the Department of De-  
11 fense and a prime contractor for the procurement of  
12 critical munitions.

13 (4) The term “DO-rated order” means an order  
14 with a priority rating of “critical to national de-  
15 fense” in the Defense Priorities and Allocation Sys-  
16 tem pursuant to part 700 of title 15, Code of Fed-  
17 eral Regulations (or any successor regulation).

18 (5) The term “DX-rated order” means an order  
19 with a priority rating of “highest national defense  
20 urgency” in the Defense Priorities and Allocation  
21 System pursuant to part 700 of title 15, Code of  
22 Federal Regulations (or any successor regulation).

1 **SEC. 2812 [Log 74918]. NOTICE REQUIREMENT FOR MHPI**  
2 **GROUND LEASE EXTENSIONS.**

3 Section 2878 of title 10, United States Code, is  
4 amended by adding at the end the following new sub-  
5 section:

6 “(f) NOTICE OF LEASE EXTENSIONS.—Not later  
7 than 90 days before extending the term of any ground  
8 lease of property or facilities under this section, the Sec-  
9 retary concerned shall provide to the congressional defense  
10 committees notice in writing of the extension and a brief-  
11 ing. Such notice and briefing shall include each of the fol-  
12 lowing:

13 “(1) A description of any material differences  
14 between the extended ground lease and the original  
15 ground lease, including with respect to—

16 “(A) the length of the term of the lease, as  
17 extended; and

18 “(B) any new provisions that materially af-  
19 fect the rights and responsibilities of the  
20 ground lessor or the ground lessee under the  
21 original ground lease.

22 “(2) The number of housing units or facilities  
23 subject to the ground lease that, during the lease ex-  
24 tension, are to be—

25 “(A) constructed;

26 “(B) demolished; or



1           “(C) renovated.

2           “(3) The source of any additional financing the  
3 lessor has obtained, or intends to obtain, during the  
4 term of the ground lease extension that will be used  
5 for the development of the property or facilities sub-  
6 ject to the ground lease.

7           “(4) The following information, displayed annu-  
8 ally, for the five-year period preceding the date of  
9 the notice and briefing:

10           “(A) The debt-to-net operating income  
11 ratio for the property or facility subject to the  
12 ground lease.

13           “(B) The occupancy rates for the housing  
14 units subject to the ground lease.

15           “(C) An report on maintenance response  
16 times and completion of maintenance requests  
17 for the housing units subject to the ground  
18 lease.

19           “(D) The occupancy rates and debt-to-net  
20 operating income ratios of any other military  
21 privatized housing initiative projects managed  
22 by a company that controls, or that is under  
23 common control with, the ground lessee enter-  
24 ing into the lease extension.”.

1 **SEC. 2814 [Log 75116]. PRIVATIZATION OF NAVY AND AIR**  
2 **FORCE TRANSIENT HOUSING.**

3 (a) PRIVATIZATION REQUIRED.—Beginning on the  
4 date that is 11 years after the date of the enactment of  
5 this Act, the Secretary concerned shall begin the process  
6 of privatizing all transient housing in the United States  
7 under the jurisdiction of the Secretary concerned through  
8 the conveyance of the transient housing to one or more  
9 eligible entities. Such process shall be completed by not  
10 later than the date that is 15 years after the date of the  
11 enactment of this Act.

12 (b) APPLICABLE PRIVATIZATION LAWS.—The Sec-  
13 retary concerned shall carry out this section using the au-  
14 thority provided by section 2872 of title 10, United States  
15 Code, consistent with subchapters IV and V of chapter  
16 169 of such title.

17 (c) LIMITATIONS.—No Government direct loans, Gov-  
18 ernment guarantees, or Government equity may be ex-  
19 tended in consideration of any privatization carried out  
20 pursuant to subsection (a).

21 (d) CONSULTATIONS.—In establishing a plan to carry  
22 out the privatization of transient housing pursuant to sub-  
23 section (a), the Secretary concerned shall—

- 24 (1) consult with the Secretary of the Army; and  
25 (2) to the greatest extent possible, incorporate  
26 into such plan the best practices and efficiencies of

1 the Secretary of the Army in carrying out the pri-  
2 vatization of transient housing under the jurisdiction  
3 of the Secretary of the Army.

4 (d) REPORT REQUIRED.—Not later than one year  
5 after the date of the enactment of this Act, and annually  
6 thereafter until the privatization required under sub-  
7 section (a) is complete, the Secretary concerned shall sub-  
8 mit to the Committees on Armed Services of the Senate  
9 and House of Representatives a report that includes—

10 (1) detailed plans for the privatization of all  
11 transient housing under the jurisdiction of the Sec-  
12 retary; and

13 (2) timelines for conveyances and other critical  
14 milestones.

15 (e) RULE OF CONSTRUCTION.—Nothing in this sec-  
16 tion shall be construed to affect any transient housing or  
17 lodging program administered by the Coast Guard.

18 (f) DEFINITIONS.—In this section:

19 (1) The term “eligible entity” has the meaning  
20 given that term in section 2871 of title 10, United  
21 States Code.

22 (2) The term “transient housing” means lodg-  
23 ing intended to be occupied by members of the  
24 Armed Forces on temporary duty.

25 (3) The term “Secretary concerned” means—

1           (A) the Secretary of the Navy, with respect  
2           to transient housing under the jurisdiction of  
3           the Secretary of the Navy; and

4           (B) the Secretary of the Air Force, with  
5           respect to transient housing under the jurisdic-  
6           tion of the Secretary of the Air Force.

1           **Subtitle H—Other Matters**

2   **SEC. 2871 [Log 75522]. DEFENSE COMMUNITY INFRASTRUC-**  
3                   **TURE PROGRAM.**

4           Section 2391(e)(4)(A)(i) of title 10, United States  
5 Code, is amended by inserting “or on property subject to  
6 a real estate agreement with a military installation, includ-  
7 ing a lease or easement” after “installation”.

1 **SEC. 2872 [Log 75561]. INCLUSION IN DEFENSE COMMUNITY**  
2 **INFRASTRUCTURE PILOT PROGRAM OF CER-**  
3 **TAIN PROJECTS FOR ROTC TRAINING.**

4 Section 2391 of title 10, United States Code, is fur-  
5 ther amended—

6 (1) in subsection (d)(1)(B)—

7 (A) by redesignating clauses (ii) and (iii)  
8 as clauses (iii) and (iv), respectively; and

9 (B) by inserting after clause (i) the fol-  
10 lowing new clause (ii):

11 “(ii) Projects that will contribute to the train-  
12 ing of cadets enrolled in an independent Reserve Of-  
13 ficer Training Corps program at a covered edu-  
14 cational institution.”; and

15 (2) in subsection (e), by adding at the end the  
16 following new paragraph:

17 “(6) The term ‘covered educational institution’  
18 means a college or university that is—

19 “(A) a part B institution, as defined in  
20 section 322 of the Higher Education Act of  
21 1965 (20 U.S.C. 1061);

22 “(B) an 1890 Institution, as defined in  
23 section 2 of the Agricultural Research, Exten-  
24 sion, and Education Reform Act of 1998 (7  
25 U.S.C. 7601);

26 “(C) not affiliated with a consortium; and

1                   “(D) located at least 40 miles from a  
2                   major military installation.”.

1       **Subtitle A—National Security**  
2       **Programs and Authorizations**

3   **SEC. 3101.[Log 75089 H3101] NATIONAL NUCLEAR SECURITY**  
4                   **ADMINISTRATION.**

5       (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
6 are hereby authorized to be appropriated to the Depart-  
7 ment of Energy for fiscal year 2023 for the activities of  
8 the National Nuclear Security Administration in carrying  
9 out programs as specified in the funding table in section  
10 4701.

11       (b) AUTHORIZATION OF NEW PLANT PROJECTS.—  
12 From funds referred to in subsection (a) that are available  
13 for carrying out plant projects, the Secretary of Energy  
14 may carry out new plant projects for the National Nuclear  
15 Security Administration as follows:

16               Project 23–D–516, Energetic Materials Charac-  
17               terization Facility, Los Alamos National Laboratory,  
18               Los Alamos, New Mexico, \$19,000,000.

19               Project 23–D–517, Electrical Power Capacity  
20               Upgrade, Los Alamos National Laboratory, Los Ala-  
21               mos, New Mexico, \$24,000,000.

22               Project 23–D–518, Plutonium Modernization  
23               Operations & Waste Management Office Building,  
24               Los Alamos National Laboratory, Los Alamos, New  
25               Mexico, \$48,500,000.



1           Project 23–D–519, Special Materials Facility,  
2           Y–12 National Security Complex, Oak Ridge, Ten-  
3           nessee, \$49,500,000.

4           Project 23–D–533, Component Test Complex  
5           Project, Bettis Atomic Power Laboratory, West  
6           Mifflin, Pennsylvania, \$57,420,000.

1 **SEC. 3102.[Log 75090 H3102] DEFENSE ENVIRONMENTAL**  
2 **CLEANUP.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
4 are hereby authorized to be appropriated to the Depart-  
5 ment of Energy for fiscal year 2023 for defense environ-  
6 mental cleanup activities in carrying out programs as  
7 specified in the funding table in section 4701.

8 (b) AUTHORIZATION OF NEW PLANT PROJECTS.—  
9 From funds referred to in subsection (a) that are available  
10 for carrying out plant projects, the Secretary of Energy  
11 may carry out, for defense environmental cleanup activi-  
12 ties, the following new plant projects:

13 Project 23–D–402, Calcine Construction, Idaho  
14 National Laboratory, Idaho Falls, Idaho,  
15 \$10,000,000.

16 Project 23–D–403, Hanford 200 West Area  
17 Tank Farms Risk Management Project, Office of  
18 River Protection, Richland, Washington, \$4,408,000.

19 Project 23–D–404, 181D Export Water System  
20 Reconfiguration and Upgrade, Hanford Site, Rich-  
21 land, Washington, \$6,770,000.

22 Project 23–D–405, 181B Export Water System  
23 Reconfiguration and Upgrade, Hanford Site, Rich-  
24 land, Washington, \$480,000.

1 **SEC. 3103.[Log 75091 H3103] OTHER DEFENSE ACTIVITIES.**

2 Funds are hereby authorized to be appropriated to  
3 the Department of Energy for fiscal year 2023 for other  
4 defense activities in carrying out programs as specified in  
5 the funding table in section 4701.

1 **SEC. 3104.[Log 75092 H3104] NUCLEAR ENERGY.**

2 Funds are hereby authorized to be appropriated to  
3 the Department of Energy for fiscal year 2023 for nuclear  
4 energy as specified in the funding table in section 4701.

1 **Subtitle B—Program Authoriza-**  
2 **tions, Restrictions, Limitations,**  
3 **and Other Matters**

4 **SEC. 3111.[Log 75141] PLUTONIUM PIT PRODUCTION CA-**  
5 **PACITY.**

6 (a) FINDING.—Congress finds that the National Nu-  
7 clear Security Administration and the Nuclear Weapons  
8 Council have acknowledged that producing 80 war reserve  
9 plutonium pit per year by 2030 is not achievable.

10 (b) REQUIREMENT.—Subsection (a) of section 4219  
11 of the Atomic Energy Defense Act (50 U.S.C. 2538a) is  
12 amended to read as follows:

13 “(a) PRODUCTION.—

14 “(1) REQUIREMENT.—The Secretary of Energy  
15 shall produce the annual number of war reserve plu-  
16 tonium pits that the Secretary of Defense identifies  
17 as a requirement of the Department of Defense.

18 “(2) CAPACITY.—In carrying out paragraph  
19 (1), the Secretary of Energy shall—

20 “(A) ensure that Los Alamos National  
21 Laboratory, Los Alamos, New Mexico, has the  
22 ability to—

23 “(i) produce 30 war reserve plutonium  
24 pits during any year that the Secretary of  
25 Defense identifies such production amount

1 as a requirement of the Department of De-  
2 fense; and

3 “(ii) implement surge efforts to  
4 produce more than 30 war reserve pluto-  
5 nium pits during any year that the Secre-  
6 taries identifies such production amount as  
7 a requirement of the Department of De-  
8 fense;

9 “(B) ensure that the Savannah River Plu-  
10 tonium Processing Facility at the Savannah  
11 River Site, Aiken, South Carolina, has a sus-  
12 tainable ability to—

13 “(i) produce 50 war reserve plutonium  
14 pits during any year the Secretary of De-  
15 fense identifies such production amount as  
16 a requirement of the Department of De-  
17 fense; and

18 “(ii) implement surge efforts to  
19 produce more than 50 war reserve pluto-  
20 nium pits during any year that the Secre-  
21 taries identifies such production amount as  
22 a requirement of the Department of De-  
23 fense; and

24 “(C) maintain the Los Alamos National  
25 Laboratory as the Plutonium Science and Pro-

1           duction Center of Excellence for the United  
2           States.”.

3           (c) CERTIFICATIONS.—Such section is further  
4 amended—

5           (1) by striking subsections (b) and (c);

6           (2) by redesignating subsections (d) through (f)  
7 as subsections (c) through (e), respectively;

8           (3) by inserting after subsection (a) the fol-  
9 lowing new subsection (b):

10          “(b) ANNUAL NOTIFICATIONS, CERTIFICATIONS, AND  
11 PLANS.—

12           “(1) DEPARTMENT OF DEFENSE.—Not later  
13 than March 1, 2023, and each year thereafter, the  
14 Secretary of Defense shall notify the Secretary of  
15 Energy and the appropriate congressional commit-  
16 tees of the following:

17           “(A) The requirement of the Department  
18 of Defense with respect to the total minimum  
19 number of war reserve plutonium pits to be pro-  
20 duced during the 10-year period following the  
21 notification.

22           “(B) The year, if any, in which not fewer  
23 than 80 war reserve plutonium pits are needed  
24 to be produced to meet the requirement of the  
25 Department of Defense.

1           “(2) DEPARTMENT OF ENERGY.—Not later  
2 than 30 days after the date on which the Secretary  
3 of Energy receives a notification under paragraph  
4 (1), the Secretary shall submit to the appropriate  
5 congressional committees the following:

6           “(A) A certification of whether the pro-  
7 grams and budget of the Secretary will enable  
8 the nuclear security enterprise to meet the re-  
9 quirements identified by the Secretary of De-  
10 fense in the notification.

11           “(B) A plan by the Secretary of Energy to  
12 meet such requirements, including an identifica-  
13 tion of the number of war reserve plutonium  
14 pits the Secretary will produce during each year  
15 covered by the notification.”; and

16           (4) by striking subsection (e), as so redesign-  
17 nated, and inserting the following new subsection:

18           “(e) DEFINITIONS.—In this section:

19           “(1) The term ‘appropriate congressional com-  
20 mittees’ means—

21           “(A) The congressional defense commit-  
22 tees.

23           “(B) The Committee on Energy and Com-  
24 merce of the House of Representatives and the



1 Committee on Energy and Natural Resources of  
2 the Senate.

3 “(2) The term ‘covered project’ means—

4 “(A) the Savannah River Plutonium Proc-  
5 essing Facility, Savannah River Site, Aiken,  
6 South Carolina (Project 21–D–511); or

7 “(B) the Plutonium Pit Production  
8 Project, Los Alamos National Laboratory, Los  
9 Alamos, New Mexico (Project 21–D– 512).”.

10 (d) CONFORMING REPEAL.—Section 3120 of the  
11 John S. McCain National Defense Authorization Act for  
12 Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2292)  
13 is repealed.

1 **SEC. 3112.[Log 75266] NUCLEAR WARHEAD ACQUISITION**  
2 **PROCESS.**

3 (a) EXPANSION OF REPORTING AND CERTIFICATION  
4 REQUIREMENTS.—Section 4223 of the Atomic Energy  
5 Defense Act (50 U.S.C. 2538e), as amended by section  
6 3114, is further amended as follows:

7 (1) By striking “the W93 nuclear weapon” each  
8 place it appears and inserting “a covered nuclear  
9 weapon”.

10 (2) By striking “a W93 nuclear weapon pro-  
11 gram” each place it appears and inserting “a pro-  
12 gram for that nuclear weapon”.

13 (3) In subsection (b)(2), by striking “for the  
14 sub-surface ballistic nuclear (SSBN) force”.

15 (4) By striking subsection (d) and inserting the  
16 following new subsection (d):

17 “(d) DEFINITIONS.—In this section:

18 “(1) The term ‘covered nuclear weapon’ means  
19 the following:

20 “(A) The W93 nuclear weapon.

21 “(B) A modified nuclear weapon.

22 “(C) A new nuclear weapon.

23 “(2) The term ‘joint nuclear weapons life cycle’  
24 has the meaning given that term in section 4220.

1           “(3) The terms ‘modified nuclear weapon’ and  
2           ‘new nuclear weapon’ have the meaning given those  
3           terms in section 4209.”.

4           (b) CONFORMING AMENDMENT.—Such Act is further  
5 amended by striking the section heading for section 4223  
6 and inserting the following (and conforming the table of  
7 contents at the beginning of such Act accordingly): “**NU-**  
8 **CLEAR WARHEAD ACQUISITION PROCESS**”.

1 **SEC. 3114.[Log 75208] MODIFICATION TO CERTAIN REPORT-**  
2 **ING REQUIREMENTS.**

3 (a) REPORTS ON NUCLEAR WARHEAD ACQUISITION  
4 PROCESS.—Section 4223 of the Atomic Energy Defense  
5 Act (50 U.S.C. 2538e) is amended—

6 (1) in subsection (a)(2)(A), by striking “submit  
7 to the congressional defense committees a plan” and  
8 inserting “provide to the congressional defense com-  
9 mittees a briefing on a plan”; and

10 (2) in subsection (b)—

11 (A) in paragraph (1), by striking “certify  
12 to the congressional defense committees that”  
13 and inserting “provide to the congressional de-  
14 fense committees a briefing that includes cer-  
15 tifications that—”; and

16 (B) in paragraph (2)—

17 (i) by inserting “, or provide to such  
18 committees a briefing on,” after “a report  
19 containing”; and

20 (ii) by inserting “or briefing, as the  
21 case may be” after “date of the report”.

22 (b) REPORTS ON TRANSFERS OF CIVIL NUCLEAR  
23 TECHNOLOGY.—Section 3136 of the National Defense  
24 Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a)  
25 is amended—

1           (1) by redesignating subsection (i) as subsection  
2           (j); and

3           (2) by inserting after subsection (h) the fol-  
4           lowing new subsection:

5           “(i) COMBINATION OF REPORTS.—The Secretary of  
6           Energy may submit the annual reports required by sub-  
7           sections (a), (d), and (e) as a single annual report, includ-  
8           ing by providing portions of the information so required  
9           as an annex to the single annual report.”.

10          (c) CONFORMING AMENDMENT.—Section 161 n. of  
11          the Atomic Energy Act of 1954 (50 U.S.C. 2201(n)) is  
12          amended by striking “section 3136(i) of the National De-  
13          fense Authorization Act for Fiscal Year 2016 (42 U.S.C.  
14          2077a(i))” and inserting “section 3136 of the National  
15          Defense Authorization Act for Fiscal Year 2016 (42  
16          U.S.C. 2077a(j))”.

1 **SEC. 3115.[Log 75374] MODIFICATIONS TO LONG-TERM**  
2 **PLAN FOR MEETING NATIONAL SECURITY RE-**  
3 **QUIREMENTS FOR UNENCUMBERED URA-**  
4 **NIUM.**

5 (a) **TIMING.**—Subsection (a) of section 4221 of the  
6 Atomic Energy Defense Act (50 U.S.C. 2538c) is amend-  
7 ed—

8 (1) by striking “each even-numbered year  
9 through 2026” and inserting “each odd-numbered  
10 year through 2029”; and

11 (2) by striking “2065” and inserting “2070”.

12 (b) **PLAN REQUIREMENTS.**—Subsection (b) of such  
13 section is amended—

14 (1) in paragraph (3), by inserting “through  
15 2070” after “unencumbered uranium”;

16 (2) by redesignating paragraphs (4) through  
17 (8) as paragraphs (5) through (9), respectively;

18 (3) by inserting after paragraph (3) the fol-  
19 lowing new paragraph (4):

20 “(4) An assessment of current and projected  
21 unencumbered uranium production by private indus-  
22 try in the United States that could support future  
23 defense requirements.”; and

24 (4) by striking paragraphs (8) and (9), as so  
25 redesignated, and inserting the following new para-  
26 graphs:

1 “(8) An assessment of—

2 “(A) whether, and if so when, additional  
3 enrichment of uranium will be required to meet  
4 national security requirements; and

5 “(B) the options the Secretary is consid-  
6 ering to meet such requirements, including an  
7 estimated cost and timeline for each option and  
8 a description of any changes to policy or law  
9 that the Secretary determines would be required  
10 for each option.

11 “(9) An assessment of whether, and how, op-  
12 tions to provide additional enriched uranium to meet  
13 national security requirements could, as an addi-  
14 tional benefit, contribute to the establishment of a  
15 sustained domestic enrichment capacity and allow  
16 the commercial sector of the United States to reduce  
17 reliance on importing uranium from adversary coun-  
18 tries.”.

19 (c) COMPROLLER GENERAL REVIEW.—Such section  
20 is further amended—

21 (1) by redesignating subsection (d) as sub-  
22 section (e); and

23 (2) by inserting after subsection (c) the fol-  
24 lowing new subsection:

1           “(d) COMPTROLLER GENERAL BRIEFING.—Not later  
2 than 180 days after the date on which the congressional  
3 defense committees receive each plan under subsection (a),  
4 the Comptroller General of the United States shall provide  
5 to the Committees on Armed Services of the House of  
6 Representatives and the Senate a briefing that includes  
7 an assessment of the plan.”.



1 **TITLE XXXII—DEFENSE NU-**  
2 **CLEAR FACILITIES SAFETY**  
3 **BOARD**

4 **SEC. 3201.[Log 75093 H3201] AUTHORIZATION.**

5 There are authorized to be appropriated for fiscal  
6 year 2023, \$41,401,000 for the operation of the Defense  
7 Nuclear Facilities Safety Board under chapter 21 of the  
8 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

1 **SEC. 3202.[Log 75094 H3202] CONTINUATION OF FUNCTIONS**  
2 **AND POWERS DURING LOSS OF QUORUM.**

3 Section 311(e) of the Atomic Energy Act of 1954 (42  
4 U.S.C. 2286(e)) is amended—

5 (1) by striking “Three members” and inserting  
6 “(1) Three members”; and

7 (2) by adding at the end the following new  
8 paragraphs:

9 “(2) During a covered period, the Chairperson may  
10 carry out the functions and powers of the Board under  
11 sections 312 through 316, notwithstanding that a quorum  
12 does not exist.

13 “(3) In carrying out the functions and powers of the  
14 Board during a covered period pursuant to paragraph (2),  
15 the Chairperson shall consult with any other member of  
16 the Board who is serving during the covered period and  
17 not incapacitated, except that the Chairperson may make  
18 recommendations to the Secretary of Energy and initiate  
19 investigations under section 312 only with the concurrence  
20 of any such other member.

21 “(4) In this subsection, the term ‘covered period’  
22 means a period beginning on the date on which a quorum  
23 specified in paragraph (1) does not exist by reason of ei-  
24 ther or both a vacancy in the membership of the Board  
25 or the incapacity of a member of the Board and ending  
26 on the earlier of—

- 1           “(A) the date that is one year after such begin-
- 2           ning date; or
- 3           “(B) the date on which a quorum exists.”.

1 **SEC. 3512 [Log 75391]. EXEMPTION OF CERTAIN STUDENTS**  
2 **FROM REQUIREMENT TO OBTAIN MERCHANT**  
3 **MARINER LICENSE.**

4 Section 51309 of title 46, United States Code, is  
5 amended by adding at the end the following:

6 “(d) EXEMPTION FROM REQUIREMENT TO OBTAIN  
7 LICENSE.—The Secretary may modify or waive the re-  
8 quirements of section 51306(a)(2) for students who pro-  
9 vide reasonable concerns with obtaining a merchant mar-  
10 iner license, including fear for safety while at sea after  
11 instances of trauma, medical condition, or inability to ob-  
12 tain required sea time or endorsement so long as such in-  
13 ability is not due to a lack of proficiency or violation of  
14 Academy policy. The issuance of a modification or waiver  
15 under this subsection shall not delay or impede graduation  
16 from the Academy.”.

1 **SEC. 3513 [Log 75071]. PROTECTION OF CADETS FROM SEX-**  
2 **UAL ASSAULT ONBOARD VESSELS.**

3 (a) IN GENERAL.—Section 51322 of title 46, United  
4 States Code, is amended—

5 (1) by striking subsection (a) and inserting the  
6 following:

7 “(a) SAFETY CRITERIA.—The Maritime Adminis-  
8 trator, after consulting with the Secretary of the depart-  
9 ment in which the Coast Guard is operating, shall estab-  
10 lish—

11 “(1) criteria, to which an owner or operator of  
12 a vessel engaged in commercial service shall adhere  
13 prior to carrying a cadet performing their Sea Year  
14 service from the United States Merchant Marine  
15 Academy, that addresses prevention of, and response  
16 to, sexual harassment, dating violence, domestic vio-  
17 lence, sexual assault, and stalking; and

18 “(2) a process for collecting pertinent informa-  
19 tion from such owners or operators and verifying  
20 their compliance with the criteria.

21 “(b) MINIMUM STANDARDS.—At a minimum, the cri-  
22 teria established under subsection (a) shall require the  
23 vessel owners or operators to have policies that address—

24 “(1) communication between a cadet and an in-  
25 dividual ashore who is trained in responding to inci-

1 dents of sexual harassment, dating violence, domes-  
2 tic violence, sexual assault, and stalking;

3 “(2) the safety and security of cadet staterooms  
4 while a cadet is onboard the vessel;

5 “(3) requirements for crew to report complaints  
6 or incidents of sexual assault, sexual harassment,  
7 dating violence, domestic violence, and stalking con-  
8 sistent with the requirements in section 10104;

9 “(4) the maintenance of records of reports of  
10 sexual harassment, dating violence, domestic vio-  
11 lence, sexual assault, and stalking onboard a vessel  
12 carrying a cadet;

13 “(5) the maintenance of records of sexual har-  
14 assment, dating violence, domestic violence, sexual  
15 assault, and stalking training as required under sub-  
16 section (f);

17 “(6) a requirement for the owner or operator  
18 provide each cadet a copy of the policies and proce-  
19 dures related to sexual harassment, dating violence,  
20 domestic violence, sexual assault, and stalking poli-  
21 cies that pertain to the vessel on which they will be  
22 employed; and

23 “(7) any other issues the Maritime Adminis-  
24 trator determines necessary to ensure the safety of  
25 cadets during Sea Year training.

1       “(c) SELF-CERTIFICATION BY OWNERS OR OPERA-  
2 TORS.—The Maritime Administrator shall require the  
3 owner or operator of any commercial vessel that is car-  
4 rying a cadet from the United States Merchant Marine  
5 Academy to annually certify that—

6           “(1) the vessel owner or operator is in compli-  
7 ance with the criteria established under subsection  
8 (a); and

9           “(2) the vessel is in compliance with the Inter-  
10 national Convention of Safety of Life at Sea, 1974  
11 (32 UST 47) and sections 8106 and 70103(e).

12       “(d) INFORMATION, TRAINING, AND RESOURCES.—  
13 The Maritime Administrator shall ensure that a cadet par-  
14 ticipating in Sea Year—

15           “(1) receives training specific to vessel safety,  
16 including sexual harassment, dating violence, domes-  
17 tic violence, sexual assault, and stalking prevention  
18 and response training, prior to the cadet boarding a  
19 vessel for Sea Year training;

20           “(2) is equipped with an appropriate means of  
21 communication and has been trained on its use;

22           “(3) has access to a helpline to report incidents  
23 of sexual harassment, dating violence, domestic vio-  
24 lence, sexual assault, or stalking that is monitored  
25 by trained personnel; and

1           “(4) is informed of the legal requirements for  
2 vessel owners and operators to provide for the secu-  
3 rity of individuals onboard, including requirements  
4 under section 70103(c) and chapter 81.”;

5           (2) by redesignating subsections (b) through (d)  
6 as subsections (e) through (g), respectively;

7           (3) in subsection (e), as so redesignated, by  
8 striking paragraph (2) and inserting the following  
9 new paragraphs:

10           “(2) ACCESS TO INFORMATION.—The vessel op-  
11 erator shall make available to staff conducting a ves-  
12 sel check such information as the Maritime Adminis-  
13 trator determines is necessary to determine whether  
14 the vessel is being operated in compliance with the  
15 criteria established under subsection (a).

16           “(3) REMOVAL OF STUDENTS.—If staff of the  
17 Academy or staff of the Maritime Administration de-  
18 termine that a commercial vessel is not in compli-  
19 ance with the criteria established under subsection  
20 (a), the staff—

21           “(A) may remove a cadet of the Academy  
22 from the vessel; and

23           “(B) shall report such determination of  
24 non-compliance to the owner or operator of the  
25 vessel.”;



1           (4) in subsection (f), as so redesignated, by  
2           striking “or the seafarer union” and inserting “and  
3           the seafarer union”; and

4           (5) by adding at the end the following:

5           “(h) NONCOMMERCIAL VESSELS.—

6           “(1) IN GENERAL.—A public vessel (as defined  
7           in section 2101) shall not be subject to the require-  
8           ments of this section.

9           “(2) REQUIREMENTS FOR PARTICIPATION.—

10          The Maritime Administrator may establish criteria  
11          and requirements that the operators of public vessels  
12          shall meet to participate in the Sea Year program of  
13          the United States Merchant Marine Academy that  
14          addresses prevention of, and response to, sexual har-  
15          assment, dating violence, domestic violence, sexual  
16          assault, and stalking.”.

17          (b) REGULATIONS.—

18          (1) IN GENERAL.—The Maritime Administrator  
19          may prescribe rules necessary to carry out the  
20          amendments made by this section.

21          (2) INTERIM RULES.—The Maritime Adminis-  
22          trator may prescribe interim rules necessary to carry  
23          out the amendments made by this section. For this  
24          purpose, the Maritime Administrator in prescribing  
25          rules under paragraph (1) is excepted from compli-

1       ance with the notice and comment requirements of  
2       section 553 of title 5, United States Code. All rules  
3       prescribed under the authority of the amendments  
4       made by this section shall remain in effect until su-  
5       perseded by a final rule.

6       (c) CONFORMING AMENDMENTS.—

7           (1) SEA YEAR COMPLIANCE.—Section 3514 of  
8       the National Defense Authorization Act for Fiscal  
9       Year 2017 (46 U.S.C. 51318 note) is repealed.

10          (2) ACCESS OF ACADEMY CADETS TO DOD SAFE  
11       OR EQUIVALENT HELPLINE.—Section 3515 of the  
12       National Defense Authorization Act for Fiscal Year  
13       2018 (46 U.S.C. 51518 note) is amended by striking  
14       subsection (b) and redesignating subsection (c) as  
15       subsection (b).

1 **SEC. 3514 [Log 74790]. REQUIREMENTS RELATING TO TRAIN-**  
2 **ING OF MERCHANT MARINE ACADEMY CA-**  
3 **DETS ON CERTAIN VESSELS.**

4 (a) REQUIREMENTS RELATING TO PROTECTION OF  
5 CADETS FROM SEXUAL ASSAULT ONBOARD VESSELS.—

6 (1) IN GENERAL.—Subsection (b) of section  
7 51307 of title 46, United States Code, is amended  
8 to read as follows:

9 “(b) SEA YEAR CADETS ON CERTAIN VESSELS.—

10 “(1) REQUIREMENTS.—The Secretary shall re-  
11 quire an operator of a vessel participating in the  
12 Maritime Security Program under chapter 531 of  
13 this title, the Cable Security Fleet under chapter  
14 532 of this title, or the Tanker Security Fleet under  
15 chapter 534 of this title to—

16 “(A) carry on each Maritime Security Pro-  
17 gram vessel, Cable Security Fleet vessel, or  
18 Tanker Security Fleet vessel 2 United States  
19 Merchant Marine Academy cadets, if available,  
20 on each voyage; and

21 “(B) implement and adhere to policies,  
22 programs, criteria, and requirements estab-  
23 lished pursuant to section 51322 of this title.

24 “(2) FAILURE TO IMPLEMENT OR ADHERE TO  
25 REQUIREMENTS.—Failure to implement or adhere to  
26 the policies, programs, criteria, and requirements re-

1       ferred to in paragraph (1)(B) may, as determined by  
2       the Maritime Administrator, constitute a violation of  
3       an operating agreement entered into under chapter  
4       531, 532, or 533 of this title and the Maritime Ad-  
5       ministrators may—

6               “(A) require the operator to take corrective  
7               actions; or

8               “(B) withhold payment due to the operator  
9               until the violation, as determined by the Mari-  
10              time Administrator, has been remedied.

11             “(3) WITHHELD PAYMENTS.—Any payment  
12             withheld pursuant to paragraph (2)(B) may be paid,  
13             upon a determination by the Maritime Administrator  
14             that the operator is in compliance with the policies,  
15             programs, criteria, and requirements referred to in  
16             paragraph (1)(B).”.

17             (2) APPLICABILITY.—Paragraph (2) of sub-  
18             section (b) of section 51307, as amended by para-  
19             graph (1), shall apply with respect to any failure to  
20             implement or adhere to the policies, programs, cri-  
21             teria, and requirements referred to in paragraph  
22             (1)(B) of such subsection that occurs on or after the  
23             date that is one year after the date of the enactment  
24             of this Act.

1 (b) REQUIREMENTS FOR GOVERNMENT-OWNED VES-  
2 SELS.—Subsection (c) of such section is amended—

3 (1) in the subsection heading by striking “MILI-  
4 TARY SEALIFT COMMAND VESSELS” and inserting  
5 “GOVERNMENT-OWNED VESSELS”;

6 (2) in paragraph (1), by redesignating subpara-  
7 graphs (A) and (B) as clauses (i) and (ii), respec-  
8 tively, and adjusting the margins accordingly;

9 (3) by redesignating paragraphs (1) and (2) as  
10 subparagraphs (A) and (B), respectively, and adjust-  
11 ing the margins accordingly;

12 (4) by inserting before subparagraph (A), as so  
13 redesignated, the following:

14 “(1) IN GENERAL.—Consistent with the pur-  
15 pose of the United States Merchant Marine Acad-  
16 emy, as described in section 51301(b) of this chap-  
17 ter, vessels owned or chartered by the United States  
18 Government, including vessels of the United States  
19 Coast Guard, United States Navy, Military Sealift  
20 Command, are proper vessels for training cadets.

21 “(2) MILITARY SEALIFT COMMAND VESSELS.—  
22 ”;

23 (5) in subparagraph (A), as so redesignated, by  
24 striking “paragraph (2)” and inserting “subpara-  
25 graph (B)”;

1           (6) in subparagraph (B), as so redesignated, by  
2           striking “paragraph (1)” and inserting “subpara-  
3           graph (A)”.

4           (c) CONFORMING AMENDMENTS.—Title 46, United  
5 States Code, is further amended—

6           (1) in section 53106(a)(2), by inserting “or sec-  
7           tion 51307(b)” after “this section”;

8           (2) in section 53206(a)(2), by inserting “or sec-  
9           tion 51307(b)” after “this section”; and

10           (3) in section 53406(a), by inserting “or section  
11           51307(b)” after “this section”.

1 **SEC. 3515 [Log 75032]. REPORTS ON MATTERS RELATING TO**  
2 **THE UNITED STATES MERCHANT MARINE**  
3 **ACADEMY.**

4 (a) REPORT ON IMPLEMENTATION OF NAPA REC-  
5 OMMENDATIONS.—

6 (1) IN GENERAL.—In accordance with para-  
7 graph (3), the Secretary of Transportation shall sub-  
8 mit to the appropriate congressional committees re-  
9 ports on the status of the implementation of the rec-  
10 ommendations specified in paragraph (4).

11 (2) ELEMENTS.—Each report under paragraph  
12 (1) shall include the following:

13 (A) A description of the status of the im-  
14 plementation of each recommendation specified  
15 in paragraph (4), including whether the Sec-  
16 retary—

17 (i) concurs with the recommendation;

18 (ii) partially concurs with the rec-  
19 ommendation; or

20 (iii) does not concur with the rec-  
21 ommendation.

22 (B) An explanation of—

23 (i) with respect to a recommendation  
24 with which the Secretary concurs, the ac-  
25 tions the Secretary intends to take to im-  
26 plement such recommendation, including—

1 (I) any rules, regulations, poli-  
2 cies, or other guidance that have been  
3 issued, revised, changed, or cancelled  
4 as a result of the implementation of  
5 the recommendation; and

6 (II) any impediments to the im-  
7 plementation of the recommendation;

8 (ii) with respect to a recommendation  
9 with which the Secretary partially concurs,  
10 the actions the Secretary intends to take to  
11 implement the portion of such rec-  
12 ommendation with which the Secretary  
13 concurs, including—

14 (I) intermediate actions, mile-  
15 stone dates, and the expected comple-  
16 tion date for the implementation of  
17 the portion of the recommendation;  
18 and

19 (II) any rules, regulations, poli-  
20 cies, or other guidance that are ex-  
21 pected to be issued, revised, changed,  
22 or cancelled as a result of the imple-  
23 mentation of the portion of the rec-  
24 ommendation;



1 (iii) with respect to a recommendation  
2 with which the Secretary does not concur,  
3 an explanation of why the Secretary does  
4 not concur with such recommendation; and  
5 (iv) any statutory changes that may  
6 be necessary—

7 (I) to fully implement the rec-  
8 ommendations specified in paragraph  
9 (4) with which the Secretary concurs;  
10 or

11 (II) to partially implement the  
12 recommendations specified in such  
13 paragraph with which the Secretary  
14 partially concurs.

15 (C) A visual depiction of the status of the  
16 completion of the recommendations specified in  
17 paragraph (4).

18 (3) TIMING OF REPORTS.—The Secretary of  
19 Transportation shall submit an initial report under  
20 paragraph (1) not later than 90 days after the date  
21 of the enactment of this Act. Following the sub-  
22 mittal of the initial report, the Secretary shall sub-  
23 mit updated versions of the report not less fre-  
24 quently than once every 180 days until the date on  
25 which the Secretary submits to the appropriate con-

1           gressional committees a certification that each rec-  
2           ommendation specified in paragraph (4)—

3                   (A) with which the Secretary concurs—

4                           (i) has been fully implemented; or

5                           (ii) cannot be fully implemented, in-  
6                   cluding an explanation of why; and

7                   (B) with which the Secretary partially con-  
8                   curs—

9                           (i) has been partially implemented; or

10                           (ii) cannot be partially implemented,  
11                   including an explanation of why.

12                   (4) RECOMMENDATIONS SPECIFIED.—The rec-  
13                   ommendations specified in this paragraph are the  
14                   recommendations set forth in the report prepared by  
15                   a panel of the National Academy of Public Adminis-  
16                   tration pursuant to section 3513 of the National De-  
17                   fense Authorization Act for Fiscal Year 2020 (Pub-  
18                   lic Law 116–92; 133 Stat. 1979) titled “Organiza-  
19                   tional Assessment of the U.S. Merchant Marine  
20                   Academy: A Path Forward”, dated November 2021.

21                   (b) REPORT ON IMPLEMENTATION OF POLICY RE-  
22                   LATING TO SEXUAL HARASSMENT AND OTHER MAT-  
23                   TERS.—Not later than one year after the date of the en-  
24                   actment of this Act, the Secretary of Transportation shall  
25                   submit to the appropriate congressional committees a re-

1 port on the status of the implementation the policy on sex-  
2 ual harassment, dating violence, domestic violence, sexual  
3 assault, and stalking at the United States Merchant Ma-  
4 rine Academy as required under section 51318 of title 46,  
5 United States Code.

6 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
7 FINED.—In this section, the term “appropriate congres-  
8 sional committees” means—

9 (1) the Committee on Armed Services and the  
10 Committee on Commerce, Science, and Transpor-  
11 tation of the Senate; and

12 (2) the Committee on Armed Services and the  
13 Committee on Transportation and Infrastructure of  
14 the House of Representatives.

1 **DIVISION D—FUNDING TABLES**

2 **SEC. 4001 [Log 74953]. AUTHORIZATION OF AMOUNTS IN**  
3 **FUNDING TABLES.**

4 (a) IN GENERAL.—Whenever a funding table in this  
5 division specifies a dollar amount authorized for a project,  
6 program, or activity, the obligation and expenditure of the  
7 specified dollar amount for the project, program, or activ-  
8 ity is hereby authorized, subject to the availability of ap-  
9 propriations.

10 (b) MERIT-BASED DECISIONS.—

11 (1) IN GENERAL.—A decision to commit, obli-  
12 gate, or expend funds with or to a specific entity on  
13 the basis of a dollar amount authorized pursuant to  
14 subsection (a) shall—

15 (A) except as provided in paragraph (2),  
16 be based on merit-based selection procedures in  
17 accordance with the requirements of sections  
18 2304(k) and 2374 of title 10, United States  
19 Code, or on competitive procedures; and

20 (B) comply with other applicable provisions  
21 of law.

22 (2) EXCEPTION.—Paragraph (1)(A) does not  
23 apply to a decision to commit, obligate, or expend

1 funds on the basis of a dollar amount authorized  
2 pursuant to subsection (a) if the project, program,  
3 or activity involved—

4 (A) is listed in section 4201; and

5 (B) is identified as Community Project  
6 Funding through the inclusion of the abbrevia-  
7 tion “CPF” immediately before the name of the  
8 project, program, or activity.

9 (c) RELATIONSHIP TO TRANSFER AND PROGRAM-  
10 MING AUTHORITY.—An amount specified in the funding  
11 tables in this division may be transferred or repro-  
12 grammed under a transfer or reprogramming authority  
13 provided by another provision of this Act or by other law.  
14 The transfer or reprogramming of an amount specified in  
15 such funding tables shall not count against a ceiling on  
16 such transfers or reprogrammings under section 1001 of  
17 this Act or any other provision of law, unless such transfer  
18 or reprogramming would move funds between appropria-  
19 tion accounts.

20 (d) APPLICABILITY TO CLASSIFIED ANNEX.—This  
21 section applies to any classified annex that accompanies  
22 this Act.

23 (e) ORAL AND WRITTEN COMMUNICATIONS.—No  
24 oral or written communication concerning any amount

1 specified in the funding tables in this division shall super-  
2 sede the requirements of this section.

1 **TITLE XLI—PROCUREMENT**

2 **SEC. 4101. PROCUREMENT.**

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
Line	Item	FY 2023 Request	House Authorized
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
005	SMALL UNMANNED AIRCRAFT SYSTEMS .....	10,598	20,598
	Short Range Reconnaissance acceleration .....		[10,000]
<b>ROTARY</b>			
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	649,406
	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
<b>MODIFICATION OF AIRCRAFT</b>			
016	MQ-1 PAYLOAD .....	57,700	57,700
018	GRAY EAGLE MODS2 .....	13,038	13,038
019	MULTI SENSOR ABN RECON .....	21,380	21,380
020	AH-64 MODS .....	85,840	100,840
	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
<b>GROUND SUPPORT AVIONICS</b>			
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
<b>OTHER SUPPORT</b>			
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
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>	<b>2,849,655</b>	<b>3,107,855</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>			
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	135,747
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	18,924
<b>AIR-TO-SURFACE MISSILE SYSTEM</b>			
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
<b>ANTI-TANK/ASSAULT MISSILE SYS</b>			
011	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	162,968	162,968
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	37,937
<b>MODIFICATIONS</b>			
017	PATRIOT MODS .....	253,689	253,689
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
<b>SPARES AND REPAIR PARTS</b>			
023	SPARES AND REPAIR PARTS .....	6,508	6,508
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
024	AIR DEFENSE TARGETS .....	11,317	11,317

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
Line	Item	FY 2023 Request	House Authorized
<b>TOTAL MISSILE PROCUREMENT, ARMY</b>		<b>3,761,915</b>	<b>3,716,915</b>
<b>PROCUREMENT OF W&amp;TCV, ARMY</b>			
<b>TRACKED COMBAT VEHICLES</b>			
001	ARMORED MULTI PURPOSE VEHICLE (AMPV)	380,677	380,677
002	ASSAULT BREACHER VEHICLE (ABV)	3,852	3,852
003	MOBILE PROTECTED FIREPOWER	356,708	356,708
<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>			
004	STRYKER UPGRADE	671,271	671,271
005	BRADLEY PROGRAM (MOD)	279,531	279,531
006	M109 FOV MODIFICATIONS	3,028	3,028
007	PALADIN INTEGRATED MANAGEMENT (PIM)	493,003	493,003
008	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	138,759	138,759
012	JOINT ASSAULT BRIDGE	36,990	36,990
014	ABRAMS UPGRADE PROGRAM	656,340	656,340
<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>			
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
<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>			
028	M777 MODS	3,374	3,374
033	M119 MODIFICATIONS	2,263	2,263
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
036	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	2,138	2,138
037	PRODUCTION BASE SUPPORT (WOCV-WTCV)	225,220	225,220
<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b>		<b>3,576,030</b>	<b>3,576,030</b>
<b>PROCUREMENT OF AMMUNITION, ARMY</b>			
<b>SMALL/MEDIUM CAL AMMUNITION</b>			
001	CTG, 5.56MM, ALL TYPES	59,447	59,447
002	CTG, 7.62MM, ALL TYPES	90,019	90,019
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	35,849
006	CTG, 20MM, ALL TYPES	11,761	11,761
007	CTG, 25MM, ALL TYPES	10,270	10,270
008	CTG, 30MM, ALL TYPES	143,045	143,045
009	CTG, 40MM, ALL TYPES	85,213	85,213
<b>MORTAR AMMUNITION</b>			
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
<b>TANK AMMUNITION</b>			
013	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES	296,943	293,443
	120mm MPT—Unit cost growth		[-3,500]
<b>ARTILLERY AMMUNITION</b>			
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
<b>MINES</b>			
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
<b>ROCKETS</b>			
021	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	18,159	18,159
022	ROCKET, HYDRA 70, ALL TYPES	171,697	171,697
<b>OTHER AMMUNITION</b>			
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
<b>MISCELLANEOUS</b>			
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
<b>PRODUCTION BASE SUPPORT</b>			
034	INDUSTRIAL FACILITIES	499,613	499,613
035	CONVENTIONAL MUNITIONS DEMILITARIZATION	80,970	80,970



<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
036	ARMS INITIATIVE .....	4,039	4,039
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY .....</b>	<b>2,639,051</b>	<b>2,608,551</b>
	<b>OTHER PROCUREMENT, ARMY</b>		
	<b>TACTICAL VEHICLES</b>		
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	74,086
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	96,112
013	PLS ESP .....	54,674	54,674
016	MODIFICATION OF IN SVC EQUIP .....	31,819	214,819
	HMMWV safety upgrades .....		[183,000]
	<b>NON-TACTICAL VEHICLES</b>		
017	PASSENGER CARRYING VEHICLES .....	1,286	1,286
018	NONTACTICAL VEHICLES, OTHER .....	15,059	15,059
	<b>COMM—JOINT COMMUNICATIONS</b>		
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
	<b>COMM—SATELLITE COMMUNICATIONS</b>		
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	184,911
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
	<b>COMM—C3 SYSTEM</b>		
034	COE TACTICAL SERVER INFRASTRUCTURE (TSI) .....	94,287	87,287
	Unjustified cost growth .....		[-7,000]
	<b>COMM—COMBAT COMMUNICATIONS</b>		
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
	<b>COMM—INTELLIGENCE COMM</b>		
043	CI AUTOMATION ARCHITECTURE-INTEL .....	13,891	13,891
045	MULTI-DOMAIN INTELLIGENCE .....	20,637	20,637
	<b>INFORMATION SECURITY</b>		
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
	<b>COMM—LONG HAUL COMMUNICATIONS</b>		
054	BASE SUPPORT COMMUNICATIONS .....	10,262	10,262
	<b>COMM—BASE COMMUNICATIONS</b>		
055	INFORMATION SYSTEMS .....	116,522	116,522
056	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	5,036	5,036
059	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	214,806	214,806
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
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	96,451
	Army requested realignment from OPA line 62 .....		[19,680]
067	JOINT TACTICAL GROUND STATION (JTAGS)-INTEL .....	349	349
068	TROJAN .....	20,562	20,562
069	MOD OF IN-SVC EQUIP (INTEL SPT) .....	30,424	30,424
070	BIOMETRIC TACTICAL COLLECTION DEVICES .....	2,269	2,269
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
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
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
078	SENTINEL MODS .....	166,736	166,736
079	NIGHT VISION DEVICES .....	424,253	524,253
	ENVGB program extension .....		[100,000]
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	326,364
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: LHMC 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
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>		
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]
	<b>ELECT EQUIP—AUTOMATION</b>		
102	ARMY TRAINING MODERNIZATION .....	8,033	8,033
103	AUTOMATED DATA PROCESSING EQUIP .....	96,554	96,554
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
	<b>ELECT EQUIP—SUPPORT</b>		
111	BCT EMERGING TECHNOLOGIES .....	12,853	12,853
	<b>CLASSIFIED PROGRAMS</b>		
111A	CLASSIFIED PROGRAMS .....	1,596	1,596
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
113	BASE DEFENSE SYSTEMS (BDS) .....	47,960	47,960
114	CBRN DEFENSE .....	56,129	56,129
	<b>BRIDGING EQUIPMENT</b>		
116	TACTICAL BRIDGING .....	13,785	13,785
118	BRIDGE SUPPLEMENTAL SET .....	6,774	6,774
119	COMMON BRIDGE TRANSPORTER (CBT) RECAP .....	10,379	10,379
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
124	ROBOTICS AND APPLIQUE SYSTEMS .....	52,340	37,340
	SMETS program delay .....		[-15,000]
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
127	HEATERS AND ECUS .....	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
	<b>PETROLEUM EQUIPMENT</b>		
137	QUALITY SURVEILLANCE EQUIPMENT .....	2,845	2,845
138	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	26,433	26,433
	<b>MEDICAL EQUIPMENT</b>		
139	COMBAT SUPPORT MEDICAL .....	75,606	75,606
	<b>MAINTENANCE EQUIPMENT</b>		
140	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	3,936	3,936
	<b>CONSTRUCTION EQUIPMENT</b>		
147	ALL TERRAIN CRANES .....	31,341	31,341
149	FAMILY OF DIVER SUPPORT EQUIPMENT .....	3,256	3,256
150	CONST EQUIP ESP .....	9,104	9,104
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>		
151	ARMY WATERCRAFT ESP .....	47,889	47,889
152	MANEUVER SUPPORT VESSEL (MSV) .....	104,676	104,676

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
153	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) .....	10,131	10,131
	<b>GENERATORS</b>		
154	GENERATORS AND ASSOCIATED EQUIP .....	54,400	54,400
155	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	8,293	8,293
	<b>MATERIAL HANDLING EQUIPMENT</b>		
156	FAMILY OF FORKLIFTS .....	8,819	8,819
	<b>TRAINING EQUIPMENT</b>		
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	255,670
160	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....	9,546	9,546
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
162	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	36,514	36,514
164	TEST EQUIPMENT MODERNIZATION (TEMOD) .....	32,734	32,734
	<b>OTHER SUPPORT EQUIPMENT</b>		
166	PHYSICAL SECURITY SYSTEMS (OPA3) .....	102,556	96,556
	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]
	<b>OPA2</b>		
172	INITIAL SPARES—C&E .....	10,463	10,463
	<b>TOTAL OTHER PROCUREMENT, ARMY</b> .....	<b>8,457,509</b>	<b>8,745,168</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>		
	<b>COMBAT AIRCRAFT</b>		
001	F/A-18E/F (FIGHTER) HORNET .....	90,865	71,065
	Program Decrease .....		[-19,800]
002	JOINT STRIKE FIGHTER CV .....	1,663,515	1,663,515
003	JOINT STRIKE FIGHTER CV AP .....	387,596	387,596
004	JSF STOVL .....	1,909,635	1,909,635
005	JSF STOVL AP .....	200,118	200,118
006	CH-53K (HEAVY LIFT) .....	1,669,986	1,663,986
	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	31,795
011	P-8A POSEIDON .....	41,521	31,521
	Program decrease .....		[-10,000]
012	E-2D ADV HAWKEYE .....	842,401	842,401
	<b>TRAINER AIRCRAFT</b>		
014	MULTI-ENGINE TRAINING SYSTEM (METS) .....	123,217	123,217
015	ADVANCED HELICOPTER TRAINING SYSTEM .....	119,816	119,816
	<b>OTHER AIRCRAFT</b>		
016	KC-130J .....	439,501	439,501
017	KC-130J AP .....	29,122	29,122
019	MQ-4 TRITON .....	587,820	567,820
	Program decrease .....		[-20,000]
020	MQ-4 TRITON AP .....	75,235	75,235
022	STUASLO 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]
	<b>MODIFICATION OF AIRCRAFT</b>		
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	122,498
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

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
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	249,342
056	MAGTF EW FOR AVIATION .....	24,684	24,684
057	MQ-8 SERIES .....	9,846	9,846
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
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
068	SPARES AND REPAIR PARTS .....	1,872,417	1,872,417
	<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>		
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
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY</b> .....	<b>16,848,428</b>	<b>16,932,128</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>		
	<b>MODIFICATION OF MISSILES</b>		
001	TRIDENT II MODS .....	1,125,164	1,125,164
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
002	MISSILE INDUSTRIAL FACILITIES .....	7,767	7,767
	<b>STRATEGIC MISSILES</b>		
003	TOMAHAWK .....	160,190	160,190
	<b>TACTICAL MISSILES</b>		
004	AMRAAM .....	335,900	335,900
005	SIDEWINDER .....	63,288	63,288
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	226,022
017	NAVAL STRIKE MISSILE (NSM) .....	59,034	59,034
	<b>MODIFICATION OF MISSILES</b>		
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
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
022	WEAPONS INDUSTRIAL FACILITIES .....	1,976	1,976
	<b>ORDNANCE SUPPORT EQUIPMENT</b>		
025	ORDNANCE SUPPORT EQUIPMENT .....	40,793	40,793
	<b>TORPEDOES AND RELATED EQUIP</b>		
026	SSTD .....	3,789	3,789
027	MK-48 TORPEDO .....	151,128	151,128
028	ASW TARGETS .....	14,403	14,403
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>		
029	MK-54 TORPEDO MODS .....	106,772	106,772
030	MK-48 TORPEDO ADCAP MODS .....	18,502	18,502
031	MARITIME MINES .....	9,282	9,282
	<b>SUPPORT EQUIPMENT</b>		
032	TORPEDO SUPPORT EQUIPMENT .....	87,044	87,044
033	ASW RANGE SUPPORT .....	3,965	3,965
	<b>DESTINATION TRANSPORTATION</b>		
034	FIRST DESTINATION TRANSPORTATION .....	5,315	5,315
	<b>GUNS AND GUN MOUNTS</b>		
035	SMALL ARMS AND WEAPONS .....	13,859	13,859
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
036	CIWS MODS .....	2,655	2,655
037	COAST GUARD WEAPONS .....	34,259	34,259
038	GUN MOUNT MODS .....	81,725	81,725

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
039	LCS MODULE WEAPONS .....	4,580	4,580
040	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....	8,710	8,710
	<b>SPARES AND REPAIR PARTS</b>		
042	SPARES AND REPAIR PARTS .....	170,041	170,041
	<b>TOTAL WEAPONS PROCUREMENT, NAVY .....</b>	<b>4,738,705</b>	<b>4,738,705</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
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
014	AMMUNITION LESS THAN \$5 MILLION .....	1,622	1,622
	<b>MARINE CORPS AMMUNITION</b>		
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
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC .....</b>	<b>1,052,292</b>	<b>1,052,292</b>
	<b>SHIPBUILDING AND CONVERSION, NAVY</b>		
	<b>FLEET BALLISTIC MISSILE SHIPS</b>		
001	OHIO REPLACEMENT SUBMARINE .....	3,079,223	3,079,223
002	OHIO REPLACEMENT SUBMARINE AP .....	2,778,553	2,778,553
	<b>OTHER WARSHIPS</b>		
003	CARRIER REPLACEMENT PROGRAM .....	1,481,530	1,331,530
	Program decrease .....		[-150,000]
004	CVN-81 .....	1,052,024	802,024
	Program decrease .....		[-250,000]
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	4,376,537
011	DDG-51 AP .....	618,352	618,352
013	FFG-FRIGATE .....	1,085,224	1,085,224
014	FFG-FRIGATE AP .....	74,949	74,949
	<b>AMPHIBIOUS SHIPS</b>		
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	1,085,470
	<b>AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST</b>		
022	TAO FLEET OILER .....	794,719	794,719
024	TOWING, SALVAGE, AND RESCUE SHIP (ATS) .....	95,915	95,915
027	OUTFITTING .....	707,412	637,412
	Program decrease .....		[-70,000]
028	SHIP TO SHORE CONNECTOR .....	190,433	190,433
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	1,328,146
	<b>TOTAL SHIPBUILDING AND CONVERSION, NAVY .....</b>	<b>27,917,854</b>	<b>27,697,854</b>
	<b>OTHER PROCUREMENT, NAVY</b>		
	<b>SHIP PROPULSION EQUIPMENT</b>		
001	SURFACE POWER EQUIPMENT .....	46,478	46,478
	<b>GENERATORS</b>		
002	SURFACE COMBATANT HM&E .....	84,615	84,615
	<b>NAVIGATION EQUIPMENT</b>		
003	OTHER NAVIGATION EQUIPMENT .....	98,079	78,079
	Program decrease .....		[-20,000]
	<b>OTHER SHIPBOARD EQUIPMENT</b>		
004	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG .....	266,300	226,300
	Unjustified growth .....		[-40,000]
005	DDG MOD .....	770,341	720,341

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
	Unjustified growth .....		[-50,000]
006	FIREFIGHTING EQUIPMENT .....	19,687	19,687
007	COMMAND AND CONTROL SWITCHBOARD .....	2,406	2,406
008	LHA/LHD MIDLIFE .....	38,200	38,200
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]
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
	<b>REACTOR PLANT EQUIPMENT</b>		
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
	<b>OCEAN ENGINEERING</b>		
028	DIVING AND SALVAGE EQUIPMENT .....	11,773	11,773
	<b>SMALL BOATS</b>		
029	STANDARD BOATS .....	57,262	78,730
	Six additional 40-foot Patrol Boats .....		[21,468]
	<b>PRODUCTION FACILITIES EQUIPMENT</b>		
030	OPERATING FORCES IPE .....	174,743	174,743
	<b>OTHER SHIP SUPPORT</b>		
031	LCS COMMON MISSION MODULES EQUIPMENT .....	57,313	37,313
	Program decrease .....		[-20,000]
032	LCS MCM MISSION MODULES .....	94,987	94,987
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	46,526
	Program decrease .....		[-30,000]
036	SMALL & MEDIUM UUV .....	49,763	44,763
	Unjustified growth .....		[-5,000]
	<b>SHIP SONARS</b>		
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
	<b>ASW ELECTRONIC EQUIPMENT</b>		
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	25,030
	<b>ELECTRONIC WARFARE EQUIPMENT</b>		
045	AN/SLQ-32 .....	292,417	292,417
	<b>RECONNAISSANCE EQUIPMENT</b>		
046	SHIPBOARD IW EXPLOIT .....	311,210	311,210
047	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	2,487	2,487
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>		
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
	<b>AVIATION ELECTRONIC EQUIPMENT</b>		
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
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>		
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

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
065	CANES .....	402,550	362,550
	Insufficient justification .....		[-40,000]
066	RADLAC .....	9,062	9,062
067	CANES-INTELL .....	48,665	48,665
068	GPETE .....	23,479	23,479
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
	<b>SHIPBOARD COMMUNICATIONS</b>		
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
	<b>SUBMARINE COMMUNICATIONS</b>		
076	SUBMARINE BROADCAST SUPPORT .....	91,150	91,150
077	SUBMARINE COMMUNICATION EQUIPMENT .....	74,569	74,569
	<b>SATELLITE COMMUNICATIONS</b>		
078	SATELLITE COMMUNICATIONS SYSTEMS .....	39,827	39,827
079	NAVY MULTIBAND TERMINAL (NMT) .....	24,586	24,586
	<b>SHORE COMMUNICATIONS</b>		
080	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	4,699	4,699
	<b>CRYPTOGRAPHIC EQUIPMENT</b>		
081	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	156,034	156,034
082	MIO INTEL EXPLOITATION TEAM .....	1,055	1,055
	<b>CRYPTOLOGIC EQUIPMENT</b>		
083	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	18,832	18,832
	<b>OTHER ELECTRONIC SUPPORT</b>		
092	COAST GUARD EQUIPMENT .....	68,556	68,556
	<b>SONOBUOYS</b>		
094	SONOBUOYS—ALL TYPES .....	291,670	303,521
	Program increase .....		[11,851]
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>		
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	AVLATION SUPPORT EQUIPMENT .....	86,409	86,409
104	UMCS-UNMAN CARRIER AVLATION(UCA)MISSION CNTRL .....	136,647	136,647
	<b>SHIP GUN SYSTEM EQUIPMENT</b>		
105	SHIP GUN SYSTEMS EQUIPMENT .....	5,902	5,902
	<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>		
106	HARPOON SUPPORT EQUIPMENT .....	217	217
107	SHIP MISSILE SUPPORT EQUIPMENT .....	286,788	292,788
	SPY-1 Low Noise Amplifier .....		[6,000]
108	TOMAHAWK SUPPORT EQUIPMENT .....	95,856	95,856
	<b>FBM SUPPORT EQUIPMENT</b>		
109	STRATEGIC MISSILE SYSTEMS EQUIP .....	279,430	279,430
	<b>ASW SUPPORT EQUIPMENT</b>		
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]
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
112	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	17,048	18,048
	Dismounted Reconnaissance—Sets, Kits and Outfits (DR-SKO) .....		[1,000]
113	ITEMS LESS THAN \$5 MILLION .....	5,938	5,938
	<b>OTHER EXPENDABLE ORDNANCE</b>		
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
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
117	PASSENGER CARRYING VEHICLES .....	4,799	4,799
118	GENERAL PURPOSE TRUCKS .....	2,542	2,542
119	CONSTRUCTION & MAINTENANCE EQUIP .....	50,619	55,219
	GPS laser leveling system .....		[4,600]
120	FIRE FIGHTING EQUIPMENT .....	16,305	16,305
121	TACTICAL VEHICLES .....	28,586	28,586
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
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
125	SUPPLY EQUIPMENT .....	32,338	32,338
126	FIRST DESTINATION TRANSPORTATION .....	6,255	6,255
127	SPECIAL PURPOSE SUPPLY SYSTEMS .....	613,039	613,039
	<b>TRAINING DEVICES</b>		

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
128	TRAINING SUPPORT EQUIPMENT .....	1,285	1,285
129	TRAINING AND EDUCATION EQUIPMENT .....	44,618	44,618
	<b>COMMAND SUPPORT EQUIPMENT</b>		
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
	<b>OTHER</b>		
142	NEXT GENERATION ENTERPRISE SERVICE .....	201,314	201,314
143	CYBERSPACE ACTIVITIES .....	5,018	5,018
144	CYBER MISSION FORCES .....	17,115	17,115
	<b>CLASSIFIED PROGRAMS</b>		
144A	CLASSIFIED PROGRAMS .....	17,295	17,295
	<b>SPARES AND REPAIR PARTS</b>		
145	SPARES AND REPAIR PARTS .....	532,313	343,413
	Program decrease .....		[-188,900]
	<b>TOTAL OTHER PROCUREMENT, NAVY .....</b>	<b>11,746,503</b>	<b>11,358,728</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
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
	<b>ARTILLERY AND OTHER WEAPONS</b>		
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
	<b>GUIDED MISSILES</b>		
007	TOMAHAWK .....	42,958	42,958
008	NAVAL STRIKE MISSILE (NSM) .....	174,369	174,369
009	GROUND BASED AIR DEFENSE .....	173,801	173,801
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
	<b>COMMAND AND CONTROL SYSTEMS</b>		
014	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C .....	30,292	30,292
	<b>REPAIR AND TEST EQUIPMENT</b>		
015	REPAIR AND TEST EQUIPMENT .....	58,024	58,024
	<b>OTHER SUPPORT (TEL)</b>		
016	MODIFICATION KITS .....	293	293
	<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>		
017	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....	83,345	83,345
018	AIR OPERATIONS C2 SYSTEMS .....	11,048	11,048
	<b>RADAR + EQUIPMENT (NON-TEL)</b>		
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	61,943	61,943
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>		
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
	<b>OTHER SUPPORT (NON-TEL)</b>		
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
	<b>CLASSIFIED PROGRAMS</b>		
038A	CLASSIFIED PROGRAMS .....	3,884	3,884
	<b>ADMINISTRATIVE VEHICLES</b>		
039	COMMERCIAL CARGO VEHICLES .....	35,179	35,179
	<b>TACTICAL VEHICLES</b>		
040	MOTOR TRANSPORT MODIFICATIONS .....	17,807	17,807
041	JOINT LIGHT TACTICAL VEHICLE .....	222,257	222,257
043	TRAILERS .....	2,721	2,721
	<b>ENGINEER AND OTHER EQUIPMENT</b>		



<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
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]
	<b>MATERIALS HANDLING EQUIPMENT</b>		
049	PHYSICAL SECURITY EQUIPMENT .....	69,967	69,967
	<b>GENERAL PROPERTY</b>		
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
	<b>OTHER SUPPORT</b>		
054	ITEMS LESS THAN \$5 MILLION .....	26,433	26,433
	<b>SPARES AND REPAIR PARTS</b>		
055	SPARES AND REPAIR PARTS .....	34,799	34,799
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>3,681,506</b>	<b>3,679,506</b>
	<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>		
	<b>STRATEGIC OFFENSIVE</b>		
001	B-21 RAIDER .....	1,498,431	1,498,431
002	B-21 RAIDER AP .....	288,165	288,165
	<b>TACTICAL FORCES</b>		
003	F-35 .....	3,320,757	3,435,757
	Technical realignment .....		[115,000]
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
	<b>TACTICAL AIRLIFT</b>		
007	KC-46A MDAP .....	2,684,503	2,680,503
	Program decrease .....		[-4,000]
	<b>OTHER AIRLIFT</b>		
008	C-130J .....	75,293	75,293
009	MC-130J .....	40,351	40,351
	<b>UPT TRAINERS</b>		
011	ADVANCED TRAINER REPLACEMENT T-X .....	10,507	10,507
	<b>HELICOPTERS</b>		
012	MH-139A .....	156,192	152,492
	Unjustified growth—government costs .....		[-3,700]
013	COMBAT RESCUE HELICOPTER .....	707,018	707,018
	<b>MISSION SUPPORT AIRCRAFT</b>		
015	CIVIL AIR PATROL A/C .....	2,952	11,600
	Program increase .....		[8,648]
	<b>OTHER AIRCRAFT</b>		
016	TARGET DRONES .....	128,906	128,906
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
	<b>STRATEGIC AIRCRAFT</b>		
022	B-2A .....	106,752	106,752
023	B-1B .....	36,313	33,813
	Program decrease .....		[-2,500]
024	B-52 .....	127,854	120,908
	Technical realignment .....		[-6,946]
025	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....	25,286	25,286
	<b>TACTICAL AIRCRAFT</b>		
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
	<b>AIRLIFT AIRCRAFT</b>		
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
038	C-37A .....	6,062	6,062
	<b>TRAINER AIRCRAFT</b>		
039	GLIDER MODS .....	149	149

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
040	T-6 .....	6,215	6,215
041	T-1 .....	6,262	6,262
042	T-38 .....	111,668	111,668
	<b>OTHER AIRCRAFT</b>		
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	16,630
053	RC-135 .....	212,828	232,828
	M-code compliance .....		[20,000]
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	41,796
	Technical realignment .....		[12,767]
065	MQ-9 MODS .....	64,370	58,370
	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	153,026
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
069	INITIAL SPARES/REPAIR PARTS .....	623,661	630,607
	Technical realignment .....		[6,946]
	<b>COMMON SUPPORT EQUIPMENT</b>		
070	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	138,935	138,935
	<b>OTHER AIRCRAFT</b>		
	<b>POST PRODUCTION SUPPORT</b>		
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
	<b>AIRLIFT AIRCRAFT</b>		
	<b>INDUSTRIAL PREPAREDNESS</b>		
035A	C-5 POST PRODUCTION SUPPORT .....		18,000
	Technical realignment .....		[18,000]
079	INDUSTRIAL RESPONSIVENESS .....	19,128	19,128
	<b>WAR CONSUMABLES</b>		
080	WAR CONSUMABLES .....	31,165	31,165
	<b>OTHER PRODUCTION CHARGES</b>		
081	OTHER PRODUCTION CHARGES .....	1,047,300	1,239,300
	Program decrease—early to need .....		[-75,000]
	Program increase .....		[267,000]
	<b>CLASSIFIED PROGRAMS</b>		
083A	CLASSIFIED PROGRAMS .....	18,092	18,092
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>18,517,428</b>	<b>18,762,739</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>		
001	MISSILE REPLACEMENT EQ-BALLISTIC .....	57,476	57,476
	<b>STRATEGIC</b>		
004	LONG RANGE STAND-OFF WEAPON .....	31,454	31,454
	<b>TACTICAL</b>		
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	LRASMO .....	114,025	114,025

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
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	279,006
014	STAND-IN ATTACK WEAPON (SLAW) .....	77,975	77,975
	<b>INDUSTRIAL FACILITIES</b>		
015	INDUSTRI'L PREPAREDNS/POL PREVENTION .....	868	868
	<b>CLASS IV</b>		
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
	<b>MISSILE SPARES AND REPAIR PARTS</b>		
023	MSL SPRS/REPAIR PARTS (INITIAL) .....	15,354	15,354
024	MSL SPRS/REPAIR PARTS (REPLEN) .....	62,978	62,978
	<b>SPECIAL PROGRAMS</b>		
028	SPECIAL UPDATE PROGRAMS .....	36,933	36,933
	<b>CLASSIFIED PROGRAMS</b>		
028A	CLASSIFIED PROGRAMS .....	705,540	705,540
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE .....</b>	<b>2,962,417</b>	<b>2,915,851</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
001	ROCKETS .....	22,190	22,190
	<b>CARTRIDGES</b>		
002	CARTRIDGES .....	124,164	124,164
	<b>BOMBS</b>		
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
	<b>OTHER ITEMS</b>		
008	CAD/PAD .....	50,473	50,473
009	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....	6,343	7,343
	Dismounted Reconnaissance—Sets, Kits and Outfits (DR-SKO) .....		[1,000]
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]
	<b>FLARES</b>		
014	EXPENDABLE COUNTERMEASURES .....	120,548	105,548
	Program decrease .....		[-15,000]
	<b>FUZES</b>		
015	FUZES .....	121,528	121,528
	<b>SMALL ARMS</b>		
016	SMALL ARMS .....	16,395	16,395
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE .....</b>	<b>903,630</b>	<b>885,630</b>
	<b>PROCUREMENT, SPACE FORCE</b>		
	<b>SPACE PROCUREMENT, SF</b>		
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 POSITIONING (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
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
	<b>SPARES</b>		
024	SPARES AND REPAIR PARTS .....	1,352	1,352
	<b>TOTAL PROCUREMENT, SPACE FORCE .....</b>	<b>3,629,669</b>	<b>3,817,669</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
	<b>PASSENGER CARRYING VEHICLES</b>		
001	PASSENGER CARRYING VEHICLES .....	2,446	2,446
	<b>CARGO AND UTILITY VEHICLES</b>		
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
	<b>SPECIAL PURPOSE VEHICLES</b>		
005	JOINT LIGHT TACTICAL VEHICLE .....	60,461	60,461
006	SECURITY AND TACTICAL VEHICLES .....	382	382
007	SPECIAL PURPOSE VEHICLES .....	49,623	49,623
	<b>FIRE FIGHTING EQUIPMENT</b>		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	11,231	11,231
	<b>MATERIALS HANDLING EQUIPMENT</b>		
009	MATERIALS HANDLING VEHICLES .....	12,559	12,559
	<b>BASE MAINTENANCE SUPPORT</b>		
010	RUNWAY SNOW REMOV AND CLEANING EQU .....	6,409	6,409
011	BASE MAINTENANCE SUPPORT VEHICLES .....	72,012	72,012
	<b>COMM SECURITY EQUIPMENT(COMSEC)</b>		
013	COMSEC EQUIPMENT .....	96,851	96,851
014	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM .....	467,901	467,901
	<b>INTELLIGENCE PROGRAMS</b>		
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
	<b>ELECTRONICS PROGRAMS</b>		
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	6,118
025	MISSION PLANNING SYSTEMS .....	13,947	13,947
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
028	GENERAL INFORMATION TECHNOLOGY .....	101,517	101,517
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
	<b>AIR FORCE COMMUNICATIONS</b>		
046	BASE INFORMATION TRANSP T 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
	<b>ORGANIZATION AND BASE</b>		
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	91,313
	<b>MODIFICATIONS</b>		
055	COMM ELECT MODS .....	167,419	167,419
	<b>CLASSIFIED PROGRAMS</b>		
055A	CLASSIFIED PROGRAMS .....	89,484	89,484
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
056	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	92,995	92,995
	<b>DEPOT PLANT+MTRLS HANDLING EQ</b>		
057	POWER CONDITIONING EQUIPMENT .....	12,199	12,199
058	MECHANIZED MATERIAL HANDLING EQUIP .....	9,326	9,326
	<b>BASE SUPPORT EQUIPMENT</b>		
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
	<b>SPECIAL SUPPORT PROJECTS</b>		
065	DARP RC135 .....	28,153	28,153
066	DCGS-AF .....	217,713	217,713
070	SPECIAL UPDATE PROGRAM .....	978,499	978,499

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
<b>CLASSIFIED PROGRAMS</b>			
070A	CLASSIFIED PROGRAMS .....	21,702,225	21,452,225
	Excess carryover .....		[-250,000]
<b>SPARES AND REPAIR PARTS</b>			
071	SPARES AND REPAIR PARTS (CYBER) .....	1,007	1,007
072	SPARES AND REPAIR PARTS .....	23,175	23,175
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE .....</b>	<b>25,691,113</b>	<b>25,417,383</b>
<b>PROCUREMENT, DEFENSE-WIDE</b>			
<b>MAJOR EQUIPMENT, SDA</b>			
025	MAJOR EQUIPMENT, DPAA .....	513	513
050	MAJOR EQUIPMENT, OSD .....	64,291	64,291
<b>MAJOR EQUIPMENT, NSA</b>			
047	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	6,738	6,738
<b>MAJOR EQUIPMENT, WHS</b>			
054	MAJOR EQUIPMENT, WHS .....	310	310
<b>MAJOR EQUIPMENT, DISA</b>			
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
<b>MAJOR EQUIPMENT, DLA</b>			
022	MAJOR EQUIPMENT .....	24,501	24,501
<b>MAJOR EQUIPMENT, DCSA</b>			
001	MAJOR EQUIPMENT .....	2,346	2,346
<b>MAJOR EQUIPMENT, TJS</b>			
052	MAJOR EQUIPMENT, TJS .....	3,900	3,900
<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>			
030	THAAD .....	74,994	133,994
	Five additional THAAD Interceptors .....		[59,000]
031	GROUND BASED MIDCOURSE .....	11,300	11,300
032	AEGIS BMD .....	402,235	402,235
034	BMDs AN/TPY-2 RADARS .....	4,606	34,606
	AN/TPY-2 TRIMM Refresh .....		[30,000]
035	SM-3 ILAS .....	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 Amplifier .....		[22,000]
<b>MAJOR EQUIPMENT, DHRA</b>			
003	PERSONNEL ADMINISTRATION .....	4,522	4,522
<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>			
027	VEHICLES .....	139	139
028	OTHER MAJOR EQUIPMENT .....	14,296	14,296
<b>MAJOR EQUIPMENT, DODEA</b>			
024	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	2,048	2,048
<b>MAJOR EQUIPMENT, DMACT</b>			
023	MAJOR EQUIPMENT .....	11,117	11,117
<b>CLASSIFIED PROGRAMS</b>			
054A	CLASSIFIED PROGRAMS .....	681,894	681,894
<b>AVIATION PROGRAMS</b>			
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	75,629
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	11,945
<b>SHIPBUILDING</b>			
069	UNDERWATER SYSTEMS .....	45,631	45,631
<b>AMMUNITION PROGRAMS</b>			
070	ORDNANCE ITEMS <\$5M .....	151,233	151,233

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
<b>OTHER PROCUREMENT PROGRAMS</b>			
071	INTELLIGENCE SYSTEMS .....	175,616	180,616
	SOCOM Enclosed Spaces Reconnaissance Collection Suite (ESRCS) .....		[5,000]
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	20,042
076	TACTICAL VEHICLES .....	51,605	56,605
	PB-NSCV .....		[5,000]
077	WARRIOR SYSTEMS <\$5M .....	306,846	306,846
078	COMBAT MISSION REQUIREMENTS .....	4,991	4,991
080	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	18,723	18,723
081	OPERATIONAL ENHANCEMENTS .....	347,473	347,473
<b>CBDP</b>			
082	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....	199,439	199,439
083	CB PROTECTION & HAZARD MITIGATION .....	187,164	189,164
	Waterless Sprayable Decontamination .....		[2,000]
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE</b> .....	<b>5,245,500</b>	<b>5,361,500</b>
<b>NATIONAL GUARD AND RESERVE EQUIPMENT</b>			
<b>UNDISTRIBUTED</b>			
007	UNDISTRIBUTED .....		50,000
	Program increase .....		[50,000]
	<b>TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT</b> .....		<b>50,000</b>
	<b>TOTAL PROCUREMENT</b> .....	<b>144,219,205</b>	<b>144,424,504</b>

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1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 2 **TION**

4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 5 **TION.**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2023 Request	House Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>				
<b>BASIC RESEARCH</b>				
001	0601102A	DEFENSE RESEARCH SCIENCES .....	279,328	279,328
002	0601103A	UNIVERSITY RESEARCH INITIATIVES .....	70,775	70,775
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	10,456
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>466,823</b>	<b>475,823</b>
<b>APPLIED RESEARCH</b>				
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	103,217
		Armament digital and mission engineering .....		[5,000]
		Collaborative networked armament lethality and fire control .....		[7,500]
		Turret gunner survivability and simulation .....		[3,000]
010	0602142A	ARMY APPLIED RESEARCH .....	27,833	27,833
011	0602143A	SOLDIER LETHALITY TECHNOLOGY .....	103,839	111,839
		Advanced textiles and shelters .....		[3,000]
		Pathfinder .....		[5,000]
012	0602144A	GROUND TECHNOLOGY .....	52,848	64,348
		Cold and complex environments sensing research .....		[9,000]
		Polar proving ground and training program .....		[2,500]
013	0602145A	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY .....	174,090	177,090
		Structural thermoplastics .....		[3,000]
014	0602146A	NETWORK C3I TECHNOLOGY .....	64,115	90,115
		AI for position, navigation, and timing .....		[3,000]
		Alternative position, navigation, and timing .....		[10,000]
		Portable Doppler radar .....		[5,000]
		Secure anti-tamper .....		[4,000]
		Weapons system security .....		[4,000]
015	0602147A	LONG RANGE PRECISION FIRES TECHNOLOGY .....	43,029	56,029
		Carbon high-temperature composites .....		[5,000]
		Low cost missile technology development+J23 .....		[3,000]
		Novel printed armament components .....		[5,000]
016	0602148A	FUTURE VEHICLE LIFT TECHNOLOGY .....	69,348	74,348
		High density eVTOL power source .....		[5,000]
017	0602150A	AIR AND MISSILE DEFENSE TECHNOLOGY .....	27,016	37,016
		Counter-UAS Center of Excellence .....		[5,000]
		High energy laser engagement technologies .....		[5,000]
018	0602180A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES.	16,454	16,454
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	41,588
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	21,919
025	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	19,649	19,649
026	0602787A	MEDICAL TECHNOLOGY .....	33,976	33,976
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>883,759</b>	<b>975,759</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
027	0603002A	MEDICAL ADVANCED TECHNOLOGY .....	5,207	11,907
		CPF—U.S. Army Battlefield Exercise and Combat Related Trau- matic Brain and Spinal Injury Research.		[1,700]
		Hearing protection for communications .....		[5,000]
028	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECH- NOLOGY.	15,598	15,598

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2023 Request	House Authorized
029	0603025A	ARMY AGILE INNOVATION AND DEMONSTRATION .....	20,900	20,900
030	0603040A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES.	6,395	6,395
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	17,946
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	103,935
		Sensored head-borne suspension systems .....		[3,000]
039	0603119A	GROUND ADVANCED TECHNOLOGY .....	32,546	51,846
		Cold Regions Research and Engineering Laboratory .....		[7,500]
		Concrete properties prediction .....		[1,800]
		Platform agnostic remote armament systems .....		[10,000]
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	251,964
044	0603462A	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY.	193,242	209,242
		Soldier-ground vehicle interface design .....		[6,000]
		Synthetic graphite research .....		[10,000]
045	0603463A	NETWORK C3I ADVANCED TECHNOLOGY .....	125,565	125,565
046	0603464A	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	100,830	109,830
		Maneuvering submunitions .....		[9,000]
047	0603465A	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY .....	177,836	187,836
		Program increase—Additive manufacturing .....		[10,000]
048	0603466A	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY .....	11,147	11,147
049	0603920A	HUMANITARIAN DEMINING .....	8,933	8,933
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>1,392,065</b>	<b>1,466,085</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
050	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	12,001	31,001
		Mobile Solid State High Power Microwave .....		[12,000]
		Sensing, Modeling, Analysis, Requirements, Testing increase .....		[7,000]
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	49,944
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	18,048
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	106,000
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	382,147
076	0604115A	TECHNOLOGY MATURATION INITIATIVES .....	269,756	339,756
		Strategic long range cannon .....		[70,000]



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Line	Program Element	Item	FY 2023 Request	House Authorized
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	43,797
080	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	166,452	183,452
		Program increase (STE live training systems) .....		[17,000]
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	173,168
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	36,966
089	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ..	55,677	55,677
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>4,098,749</b>	<b>4,258,889</b>
<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>				
090	0604201A	AIRCRAFT AVIONICS .....	3,335	3,335
091	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	4,243	4,243
092	0604601A	INFANTRY SUPPORT WEAPONS .....	66,529	66,529
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
099	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV .....	71,287	71,287
100	0604710A	NIGHT VISION SYSTEMS—ENG DEV .....	62,679	62,679
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	41,669
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	109,702
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) Unjustified growth .....	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	255,311
		Program increase (10kw–50kw DE-MSHORAD) .....		[70,000]
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	119,516
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

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Line	Program Element	Item	FY 2023 Request	House Authorized
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
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	56,938
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>4,031,334</b>	<b>4,105,634</b>
		<b>MANAGEMENT SUPPORT</b>		
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	37,962
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	48,316
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
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,554,252</b>	<b>1,582,252</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
188	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM .....	18,463	18,463
189	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT .....	9,284	9,284
190	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PRO- GRAMS.	11,674	11,674
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	0607663A	FAMILY OF BIOMETRICS .....	1,114	1,114
203	0607863A	PATRIOT PRODUCT IMPROVEMENT .....	152,312	162,312
		Patriot Obsolescence and Program Protection .....		[10,000]
204	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYS- TEM (JADOCs).	19,329	19,329
205	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	192,310	197,310
		Auxiliary power unit development .....		[5,000]
206	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS .....	136,680	136,680
208	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	148	148

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Line	Program Element	Item	FY 2023 Request	House Authorized
209	0203758A	DIGITIZATION .....	2,100	2,100
210	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	3,109	3,109
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
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>1,188,403</b>	<b>1,248,403</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
228	0608041A	DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT.	94,888	94,888
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>94,888</b>	<b>94,888</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>13,710,273</b>	<b>14,207,733</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>		
		<b>BASIC RESEARCH</b>		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES .....	90,076	97,576
		Advanced autonomous robotics .....		[7,500]
003	0601153N	DEFENSE RESEARCH SCIENCES .....	499,116	499,116
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>589,192</b>	<b>596,692</b>
		<b>APPLIED RESEARCH</b>		
004	0602114N	POWER PROJECTION APPLIED RESEARCH .....	22,953	22,953
005	0602123N	FORCE PROTECTION APPLIED RESEARCH .....	133,426	165,926
		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]
		Next Generation Integrated Power and Energy Systems .....		[10,500]
		Relative Positioning of Autonomous Platforms .....		[5,000]
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY .....	53,467	71,467
		Advanced lithium-ion batteries .....		[5,000]
		CPF—Unmanned Logistics Solutions for the U.S. Marine Corps ..		[3,000]
		Unmanned logistics solutions .....		[10,000]
007	0602235N	COMMON PICTURE APPLIED RESEARCH .....	51,911	51,911
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	70,957	75,957
		Anti-corrosion coatings .....		[5,000]
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	92,444	97,444
		Chip Scale Open Architecture .....		[5,000]
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	72,111
		CPF—Persistent Maritime Surveillance .....		[4,000]
		Undersea vehicle technology partnerships .....		[5,000]
		UUV Research .....		[5,000]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .....	173,641	173,641
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	31,649	31,649
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH.	120,637	120,637
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES.	81,296	81,296
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>971,814</b>	<b>1,056,314</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
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	280,285
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

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(In Thousands of Dollars)

Line	Program Element	Item	FY 2023 Request	House Authorized
023	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY .....	4,999	19,999
		Multi-Medicine Manufacturing Platform .....		[15,000]
024	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS. Naval virtual innovation .....	83,137	84,287
				[1,150]
025	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY.	2,007	2,007
026	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT. Scalable laser weapon system .....	144,122	159,122
				[15,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>865,755</b>	<b>896,905</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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	18,628
036	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES. SURFACE SHIP TORPEDO DEFENSE .....	87,825	87,825
			473	473
037	0603506N	CARRIER SYSTEMS DEVELOPMENT .....	11,567	11,567
038	0603512N	PILOT FISH .....	672,461	672,461
039	0603525N	RETRACT LARCH .....	7,483	7,483
040	0603527N	RETRACT JUNIPER .....	239,336	239,336
041	0603536N	RADIOLOGICAL CONTROL .....	772	772
042	0603542N	SURFACE ASW .....	1,180	1,180
043	0603553N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT .....	105,703	105,703
044	0603561N	SUBMARINE TACTICAL WARFARE SYSTEMS .....	10,917	10,917
045	0603562N	SHIP CONCEPT ADVANCED DESIGN .....	82,205	97,205
046	0603563N	Additive Manufacturing in Ship Advanced Concept Design .....		[5,000]
		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	176,600
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	335,981
054	0603596N	LCS MISSION MODULES .....	41,533	41,533
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
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. DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS .....	65,080	65,080
074	0603925N	F/A -18 INFRARED SEARCH AND TRACK (IRST) .....	40,069	40,069
075	0604014N	DIGITAL WARFARE OFFICE .....	165,753	165,753
076	0604027N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES .....	106,347	106,347
077	0604028N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES .....	60,697	60,697
078	0604029N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	57,000	57,000
079	0604030N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	116,498	116,498
081	0604112N	LITTORAL AIRBORNE MCM .....	47,389	47,389
082	0604126N	SURFACE MINE COUNTERMEASURES .....	12,959	12,959
083	0604127N			

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084	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTER-MEASURES (TADIRCM).	15,028	45,028
		Program increase—distributed aperture infrared countermeasure system.		[30,000]
085	0604289M	NEXT GENERATION LOGISTICS .....	2,342	2,342
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	84,734
092	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	10,229	10,229
093	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.	124,204	124,204
094	0605512N	MEDIUM UNMANNED SURFACE VEHICLES (MUSVS) .....	104,000	104,000
095	0605513N	UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES .....	181,620	181,620
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	8,535
		KARGO .....		[6,800]
101	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	796	796
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>8,405,310</b>	<b>8,497,010</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
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
111	0604234N	ADVANCED HAWKEYE .....	502,956	482,956
		Program decrease .....		[-20,000]
112	0604245M	H-1 UPGRADES .....	43,759	43,759
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	54,679
120	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) .....	329,787	319,787
		Program decrease .....		[-10,000]
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 Capability 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	70,793
		Quickstrike Powered Mines .....		[10,000]
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

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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	97,687
		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	285,353
		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	2,886
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
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	15,341
		Threat Mosaic Warfare .....		[3,000]
175	0304785N	ISR & INFO OPERATIONS .....	135,366	135,366
176	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	37,038	37,038
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>6,606,583</b>	<b>6,673,483</b>
		<b>MANAGEMENT SUPPORT</b>		
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	95,316
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	105,152
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
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,132,670</b>	<b>1,132,670</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
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	284,502
206	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM .....	50,939	50,939
207	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	81,237	81,237
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

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211	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPIC).	132,719	132,719
212	0204311N	INTEGRATED SURVEILLANCE SYSTEM ..... Deployable Surveillance System, Deep Water Active .....	68,417	82,917 [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	61,422
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	109,305 [-5,000]
		Program decrease .....		
224	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S).	14,865	14,865
225	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS.	100,536	100,536
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 [-4,000]
		Program decrease .....		
242	0305220N	MQ-4C TRITON .....	13,893	-1,107 [-15,000]
		Program decrease .....		
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	9,437
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	1,701,811
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>5,483,386</b>	<b>5,477,886</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
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
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>24,008</b>	<b>24,008</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>24,078,718</b>	<b>24,354,968</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF BASIC RESEARCH</b>		
001	0601102F	DEFENSE RESEARCH SCIENCES .....	375,325	375,325
002	0601103F	UNIVERSITY RESEARCH INITIATIVES .....	171,192	177,542 [2,350] [4,000]
		CPF—Aeromedical Research Center .....		
		CPF—GHz-THz Antenna Systems for Massive Data Transmissions in Real-Time.		
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>546,517</b>	<b>552,867</b>
		<b>APPLIED RESEARCH</b>		
004	0602020F	FUTURE AF CAPABILITIES APPLIED RESEARCH .....	88,672	88,672
005	0602102F	MATERIALS .....	134,795	139,795 [5,000]
		Thermal protection for hypersonic vehicles .....		
006	0602201F	AEROSPACE VEHICLE TECHNOLOGIES .....	159,453	169,453 [10,000]
		Aeromechanics and integration .....		

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007	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	135,771	145,771
		Digital engineering and prototype capability .....		[10,000]
008	0602203F	AEROSPACE PROPULSION .....	172,861	172,861
009	0602204F	AEROSPACE SENSORS .....	192,733	192,733
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]
		Technical realignment .....		[-8,355]
014	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS .....	166,041	171,041
		Trapped ion quantum computer .....		[5,000]
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,305,787</b>	<b>1,341,432</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
016	0603032F	FUTURE AF INTEGRATED TECHNOLOGY DEMOS .....	152,559	142,559
		Automated geospatial intelligence detection algorithm .....		[5,000]
		Insufficient justification .....		[-15,000]
017	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	29,116	39,116
		Metals Affordability Initiative .....		[10,000]
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	46,220
		Technical realignment .....		[-8,507]
021	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	64,254	80,761
		Attritable combat UAV propulsion .....		[5,000]
		Program increase .....		[3,000]
		Technical realignment .....		[8,507]
022	0603270F	ELECTRONIC COMBAT TECHNOLOGY .....	33,380	33,380
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	55,759
		Carbon/carbon for hypersonics .....		[4,000]
		CPF—Additive Manufacturing and Ultra-High Performance Concrete.		[4,000]
030	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION.	51,824	51,824
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>827,271</b>	<b>843,271</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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	106,826
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]



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054	0604860F	OPERATIONAL ENERGY AND INSTALLATION RESILIENCE ... Technical realignment .....		15,500 [15,500]
056	0207110F	NEXT GENERATION AIR DOMINANCE .....	1,657,733	1,657,733
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	234,576
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
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>7,945,238</b>	<b>8,084,554</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
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 Augmented Reality .....		[9,500]
102	0401221F	KC-46A TANKER SQUADRONS .....	197,510	187,510
		Program decrease .....		[-10,000]
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
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>6,438,954</b>	<b>6,338,454</b>
		<b>MANAGEMENT SUPPORT</b>		
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
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

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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. Establishment and initial operations of the NC3 Rapid Engineering Architecture Collaboration Hub (REACH).	15,559	35,559 [20,000]
129	0308602F	ENTERPRISE 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
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>3,033,528</b>	<b>3,155,874</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
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) .. Insufficient justification .....	37,901	32,901 [-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	47,994
145	0606018F	NC3 INTEGRATION .....	23,559	23,559
147	0101113F	B-52 SQUADRONS .....	770,313	689,313 [-81,000]
		Program decrease .....		
148	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM) .....	571	571
149	0101126F	B-1B SQUADRONS .....	13,144	13,144
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	451
158	0102412F	NORTH WARNING SYSTEM (NWS) .....	76,910	76,910
159	0102417F	OVER-THE-HORIZON BACKSCATTER RADAR .....	12,210	15,210 [3,000]
		Ultra-wide band receiver .....		
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	27,195 [4,000]
		AI for EW .....		
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	117,198
179	0207327F	SMALL DIAMETER BOMB (SDB) .....	27,713	27,713
181	0207412F	CONTROL AND REPORTING CENTER (CRC) .....	6,615	6,615
182	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) .....	239,658	237,658 [-2,000]
		Early to need—communication network upgrade .....		
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) CH .....	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

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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	76,592
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 NET- WORK (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	23,138
		All-domain multi-sensor and multi-intelligence data fusion .....		[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 (ATCAL).	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 AR- CHITECTURES.	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
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 DEVEL- OPMENT.	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]
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOP- MENT.</b>	<b>23,090,569</b>	<b>23,113,069</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PRO- GRAMS</b>		

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278	060815SF	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
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>946,437</b>	<b>909,091</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>44,134,301</b>	<b>44,338,612</b>
		<b>RDTE, SPACE FORCE APPLIED RESEARCH</b>		
002	1206601SF	SPACE TECHNOLOGY .....	243,737	262,092
		AI for space technology .....		[5,000]
		Technical realignment .....		[8,355]
		University Consortia for Space Technology .....		[5,000]
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>243,737</b>	<b>262,092</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
003	1206310SF	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT.	460,820	470,820
		Defense in depth as mission assurance for spacecraft .....		[10,000]
004	1206616SF	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO .....	103,395	80,168
		Reduce follow-on tranches .....		[-26,000]
		Technical realignment .....		[2,773]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>564,215</b>	<b>550,988</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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	57,953
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	279,828
		Unjustified increase .....		[-15,000]
019	1206855SF	EVOLVED STRATEGIC SATCOM (ESS) .....	565,597	542,597
		Unjustified increase .....		[-23,000]
020	1206857SF	SPACE RAPID CAPABILITIES OFFICE .....	45,427	45,427
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>2,992,458</b>	<b>2,958,458</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2023 Request	House Authorized
		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). Technical realignment .....	499,840	525,637
				[25,797]
035	1206447SF	RESILIENT MISSILE WARNING MISSILE TRACKING—MEDIUM EARTH ORBIT (MEO). Technical realignment .....	139,131	303,930
				[164,799]
036	1206448SF	RESILIENT MISSILE WARNING MISSILE TRACKING—INTEGRATED GROUND SEGMENT. Technical realignment .....	390,596	0
				[-390,596]
037	1206853SF	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD. Increase EMD for NSSL Phase 3 and beyond activities .....	124,103	154,103
				[30,000]
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>5,335,659</b>	<b>5,165,659</b>
		<b>MANAGEMENT SUPPORT</b>		
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
		Spaceflight 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 .....		75,000
		Continue Tactically Responsive Space .....		[75,000]
046	1206864SF	SPACE TEST PROGRAM (STP) .....	25,366	25,366
		<b>SUBTOTAL MANAGEMENT SUPPORT</b>	<b>424,943</b>	<b>504,170</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
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	141,892
		Funding early to need .....		[-24,000]
052	1203110SF	SATELLITE CONTROL NETWORK (SPACE) .....	42,199	42,199
053	1203165SF	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS). SPACE AND MISSILE TEST AND EVALUATION CENTER .....	2,062	2,062
054	1203173SF		4,157	4,157
055	1203174SF	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT. SPACELIFT RANGE SYSTEM (SPACE) .....	38,103	38,103
056	1203182SF		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—TWAA SYSTEM .....	7,274	7,274
062	1203913SF	NUDET DETECTION SYSTEM (SPACE) .....	80,429	80,429
063	1203940SF	SPACE SITUATION AWARENESS OPERATIONS .....	80,903	80,903
064	1206423SF	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT. ENTERPRISE GROUND SERVICES .....	359,720	359,720
068	1206770SF		123,601	123,601
068A	9999999999	CLASSIFIED PROGRAMS .....	4,973,358	4,619,058
		Funding early to need .....		[-379,300]
		Program adjustment .....		[25,000]
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</b>	<b>6,103,307</b>	<b>5,725,007</b>
		<b>SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
070	1208248SF	SPACE COMMAND & CONTROL—SOFTWARE PILOT PROGRAM. <b>SUBTOTAL SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	155,053	155,053
			<b>155,053</b>	<b>155,053</b>
		<b>TOTAL RDTE, SPACE FORCE</b>	<b>15,819,372</b>	<b>15,321,427</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>		
		<b>BASIC RESEARCH</b>		
001	0601000BR	DTRA BASIC RESEARCH .....	11,584	11,584
002	0601101E	DEFENSE RESEARCH SCIENCES .....	401,870	405,970
		AI for supply chain .....		[4,100]
003	0601108D8Z	HIGH ENERGY LASER RESEARCH INITIATIVES .....	16,257	16,257
004	0601110D8Z	BASIC RESEARCH INITIATIVES .....	62,386	69,686
		CPF—FIU/SOUTHCOM Security Research Hub / Enhanced Domain Awareness (EDA) Initiative.		[1,300]
		CPF—HBCU Training for the Future of Aerospace .....		[1,000]

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
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Line	Program Element	Item	FY 2023 Request	House Authorized
		MINERVA .....		[5,000]
005	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	80,874	80,874
006	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM .....	132,347	158,347
		Community colleges .....		[5,000]
		CPF—Florida Memorial Avionics Smart Scholars .....		[1,000]
		SMART .....		[20,000]
007	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	33,288	101,711
		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 .....		[66,712]
008	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	34,734	34,734
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>773,340</b>	<b>879,163</b>
		<b>APPLIED RESEARCH</b>		
010	0602000D8Z	JOINT MUNITIONS TECHNOLOGY .....	18,961	18,961
011	0602115E	BIOMEDICAL TECHNOLOGY .....	106,958	106,958
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	388,270
018	0602383E	BIOLOGICAL WARFARE DEFENSE .....	23,059	23,059
019	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	256,197	259,697
		Program increase .....		[3,500]
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	221,883
023	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	352,976	352,976
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	48,587
028	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	49,174	49,174
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>2,386,000</b>	<b>2,389,500</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
029	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY .....	34,065	34,065
030	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT .....	4,919	4,919
031	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	72,614	77,614
		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	16,737
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	52,156
039	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,898	18,898
040	0603286E	ADVANCED AEROSPACE SYSTEMS .....	253,135	253,135
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	61,390
		Emerging opportunities .....		[7,500]
046	0603338D8Z	DEFENSE MODERNIZATION AND PROTOTYPING .....	141,561	166,561
		Program increase .....		[25,000]
047	0603342D8Z	DEFENSE INNOVATION UNIT (DIU) .....	42,925	81,002
		AI for small unit maneuver .....		[2,500]
		Hybrid space architecture .....		[5,577]
		Joint programs .....		[10,000]
		National Security Innovation Capital .....		[15,000]
		Small craft electric propulsion .....		[5,000]
048	0603375D8Z	TECHNOLOGY INNOVATION .....	109,535	109,535
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

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053	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES .....	3,168	3,168
054	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	256,142	285,642
		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 .....		[7,500]
		Silicon-based lasers .....		[10,000]
055	0603680S	MANUFACTURING TECHNOLOGY PROGRAM .....	46,166	46,166
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
059	0603727D8Z	JOINT WARFIGHTING PROGRAM .....	2,411	2,411
060	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES .....	250,917	250,917
061	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	305,050	305,050
062	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	678,562	688,562
		Ocean of Things Phase 3 .....		[10,000]
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	118,649
		Short pulse laser research .....		[7,500]
067	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	315,090	315,090
068	0603950D8Z	NATIONAL SECURITY INNOVATION NETWORK .....	22,028	44,028
		High energy laser power beaming .....		[7,000]
		Program increase .....		[15,000]
069	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	180,170	195,170
		Operational Energy Capability Improvement .....		[15,000]
072	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT .....	118,877	118,877
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>4,638,401</b>	<b>4,845,978</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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—DE/VAL.	291,364	291,364
080	0603884C	BALLISTIC MISSILE DEFENSE SENSORS .....	231,134	231,134
081	0603890C	BMD ENABLING PROGRAMS .....	591,847	591,847
082	0603891C	SPECIAL PROGRAMS—MDA .....	316,977	316,977
083	0603892C	AEGIS BMD .....	600,072	600,072
084	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	589,374	589,374
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	644,513
		Advanced Reactive Target Simulation .....		[10,000]
		Hypersonic Maneuvering Extended Range (HMER) Target .....		[75,000]
092	0603923D8Z	COALITION WARFARE .....	11,154	11,154
093	0604011D8Z	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G).	249,591	249,591
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 .....		25,000

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		Continue Diode Pumped Alkali Laser Development .....		[25,000]
097	0604124D8Z	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—MIP.	33,950	33,950
099	0604181C	HYPERSONIC DEFENSE .....	225,477	225,477
100	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES .....	1,145,358	1,155,358
		Short Pulse Laser Directed Energy Demonstration .....		[10,000]
101	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	647,226	647,226
102	0604331D8Z	RAPID PROTOTYPING PROGRAM .....	179,189	182,189
		Energetics .....		[3,000]
103	0604341D8Z	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING .....	24,402	32,402
		AI/ML-enabled OSINT for information effects .....		[4,000]
		Information environment .....		[4,000]
104	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	2,691	2,691
105	0604551BR	CATAPULT .....	7,130	7,130
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	1,165
123	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS ..	129,957	295,957
		HBTSS Payload Continued Development beyond Phase IIb .....		[166,000]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>10,756,509</b>	<b>11,079,509</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
124	0604123D8Z	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—DEM/VAL ACTIVITIES.	273,340	318,340
		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	OUS(D) IT DEVELOPMENT INITIATIVES .....	5,938	5,938
136	0605080S	DEFENSE AGENCY INITIATIVES (DAD)—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
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 (EEM).	8,121	8,121
142	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	16,048	16,048
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>1,014,114</b>	<b>1,059,114</b>
		<b>MANAGEMENT SUPPORT</b>		
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	819,358
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	126,079
150	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	53,278	53,278



SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2023 Request	House Authorized
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.		2,000
		Operational Rapid Multi-Pathogen Diagnostic Tool .....		[2,000]
165	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER .....	3,820	3,820
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	12,354
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	999999999	CLASSIFIED PROGRAMS .....	37,841	37,841
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,830,097</b>	<b>1,832,097</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
200	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	588,094	605,094
		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 .....		[5,000]
		RF microelectronics supply chain .....		[3,000]
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
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	43,135
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2023 Request	House Authorized
240	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	6,095	6,095
246	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVEST- MENTS.	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	24,870
		MQ-9 Mallett reprogramming .....		[5,870]
		Speed Loader Agile POD .....		[5,000]
263	1160403BB	AVIATION SYSTEMS .....	179,499	179,499
264	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT .....	75,136	75,136
265	1160408BB	OPERATIONAL ENHANCEMENTS .....	142,900	145,200
		CPF—Intercept, Collect, Analyze, and Disrupt (ICAD) Applica- tion.		[2,300]
266	1160431BB	WARRIOR SYSTEMS .....	129,133	129,133
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	82,645
272	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	7,583	7,583
273	1203610K	TELEPORT PROGRAM .....	1,270	1,270
273A	9999999999	CLASSIFIED PROGRAMS .....	7,854,604	7,854,604
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOP- MENT.</b>	<b>10,114,680</b>	<b>10,144,850</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PRO- GRAMS</b>		
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 IN- NOVATIVE TECHNOLOGIES (APFIT).	100,000	0
		OSD requested transfer to new PE .....		[-100,000]
276A	0604795D8Z	ACCELERATE THE PROCUREMENT AND FIELDING OF IN- NOVATIVE 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)—SOFT- WARE PILOT PROGRAM.	14,749	14,749
282A	9999999999	CLASSIFIED PROGRAMS .....	265,028	265,028
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>564,411</b>	<b>564,411</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>32,077,552</b>	<b>32,794,622</b>
		<b>MISSION-BASED RAPID ACQUISITION ACCOUNT</b>		
001	9999999999	MISSION-BASED RAPID ACQUISITION .....		30,000
		Mission-Based Rapid Acquisition .....		[30,000]
		<b>SUBTOTAL MISSION-BASED RAPID ACQUISITION ....</b>		<b>30,000</b>
		<b>TOTAL MISSION-BASED RAPID ACQUISITION ACCOUNT.</b>		<b>30,000</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>		
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
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>277,194</b>	<b>277,194</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE</b>	<b>277,194</b>	<b>277,194</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>130,097,410</b>	<b>131,324,556</b>



1 **TITLE XLIII—OPERATION AND**  
 2 **MAINTENANCE**

3 **SEC. 4301. OPERATION AND MAINTENANCE.**

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
<b>OPERATION &amp; MAINTENANCE, ARMY</b>			
<b>OPERATING FORCES</b>			
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	7,513,338
	Advanced Bomb Suit II .....		[12,940]
	Arctic OCIE for Alaska bases, Fort Drum and Fort Carson		[65,050]
	Extended Cold Weather Clothing System (ECWCS) Layer 1		
	& 2 for Initial Entry Training Soldiers. ....		[8,999]
	Female/Small Stature Body Armor .....		[66,750]
	Program decrease .....		[-60,000]
	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 as-		
	sets and Disposal .....		[6,000]
	Program decrease .....		[-60,000]
120	FACILITIES SUSTAINMENT, RESTORATION & MOD-		
	ERNIZATION .....	4,666,658	4,731,658
	FSRM—AFFF Replacement Facilities .....		[65,000]
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	385,685
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	673,701
230	JOINT CYBER MISSION FORCES .....	178,033	178,033
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>39,180,602</b>	<b>38,968,641</b>
<b>MOBILIZATION</b>			
240	STRATEGIC MOBILITY .....	434,423	394,423
	Program decrease .....		[-40,000]
250	ARMY PREPOSITIONED STOCKS .....	378,494	392,638
	APS 3/4 .....		[14,144]
260	INDUSTRIAL PREPAREDNESS .....	4,001	4,001
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>816,918</b>	<b>791,062</b>
<b>TRAINING AND RECRUITING</b>			
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

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>5,952,780</b>	<b>5,952,780</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
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	1,811,173
	Program decrease .....		[-60,000]
470	MANPOWER MANAGEMENT .....	344,668	344,668
480	OTHER PERSONNEL SUPPORT .....	811,999	811,999
490	OTHER SERVICE SUPPORT .....	2,267,280	2,237,280
	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	2,081,196
	Program decrease .....		[-32,000]
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>12,167,256</b>	<b>11,915,256</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>58,117,556</b>	<b>57,627,739</b>
<b>OPERATION &amp; MAINTENANCE, ARMY RES OPERATING FORCES</b>			
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	358,772
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,089,090</b>	<b>3,089,090</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
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
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>139,414</b>	<b>139,414</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES .....</b>	<b>3,228,504</b>	<b>3,228,504</b>
<b>OPERATION &amp; MAINTENANCE, ARNG</b>			

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
<b>OPERATING FORCES</b>			
010	MANEUVER UNITS .....	964,237	964,237
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 & MOD- ERNIZATION .....	1,053,996	1,053,996
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,720,437</b>	<b>7,720,437</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
150	SERVICEWIDE TRANSPORTATION .....	6,961	6,961
160	ADMINISTRATION .....	73,641	73,641
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
	<b>SUBTOTAL ADMINISTRATION AND SERVICE- WIDE ACTIVITIES .....</b>	<b>436,800</b>	<b>436,800</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>8,157,237</b>	<b>8,157,237</b>
<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>			
<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>			
010	IRAQ .....	358,015	358,015
020	SYRIA .....	183,677	183,677
	<b>SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>541,692</b>	<b>541,692</b>
	<b>TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>541,692</b>	<b>541,692</b>
<b>OPERATION &amp; MAINTENANCE, NAVY</b>			
<b>OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	7,334,452	7,334,452
020	FLEET AIR TRAINING .....	2,793,739	2,793,739
030	AVIATION TECHNICAL DATA & ENGINEERING SERV- ICES .....	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	1,751,737
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	6,514,552
	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	10,104,061
	Restore USS Ashland .....		[12,500]
	Restore USS Germantown .....		[21,400]
	Restore USS Gunston Hall .....		[12,700]
	Restore USS Tortuga .....		[12,600]
	Restore USS Vieksburg .....		[6,600]
120	SHIP DEPOT OPERATIONS SUPPORT .....	2,422,095	2,818,495
	Restore USS Ashland .....		[100,000]
	Restore USS Germantown .....		[100,000]
	Restore USS Gunston Hall .....		[100,000]

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
	Restore USS Tortuga .....		[67,500]
	Restore USS Vicksburg .....		[28,900]
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	1,632,824	1,567,824
	Historical underexecution .....		[-65,000]
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	2,209,710
	Historical underexecution .....		[-65,000]
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	65,893
210	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	282,742	282,742
230	CYBERSPACE ACTIVITIES .....	477,540	477,540
240	FLEET BALLISTIC MISSILE .....	1,664,076	1,649,076
	Historical underexecution .....		[-15,000]
250	WEAPONS MAINTENANCE .....	1,495,783	1,475,783
	Historical underexecution .....		[-20,000]
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	3,683,311
	FSRM—AFFF Replacement Facilities .....		[34,000]
	FSRM—Red Hill .....		[100,000]
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]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>56,287,184</b>	<b>56,685,984</b>
	<b>MOBILIZATION</b>		
300	SHIP PREPOSITIONING AND SURGE .....	467,648	467,648
310	READY RESERVE FORCE .....	683,932	683,932
320	SHIP ACTIVATIONS/INACTIVATIONS .....	364,096	349,096
	Historical underexecution .....		[-15,000]
330	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	133,780	133,780
340	COAST GUARD SUPPORT .....	21,196	21,196
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,670,652</b>	<b>1,655,652</b>
	<b>TRAINING AND RECRUITING</b>		
350	OFFICER ACQUISITION .....	190,578	190,578
360	RECRUIT TRAINING .....	14,679	14,679
370	RESERVE OFFICERS TRAINING CORPS .....	170,845	170,845
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>2,620,966</b>	<b>2,610,266</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>		
450	ADMINISTRATION .....	1,349,966	1,289,966
	Historical underexecution .....		[-60,000]
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

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
	Historical underexecution .....		[-15,000]
	Red Hill Fuel Distribution Advanced Planning, Engineer- ing, 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	628,700
	<b>SUBTOTAL ADMINISTRATION AND SERVICE- WIDE ACTIVITIES</b> .....	<b>5,573,149</b>	<b>5,583,149</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY</b> .....	<b>66,151,951</b>	<b>66,535,051</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS OPERATING FORCES</b>		
010	OPERATIONAL FORCES .....	1,740,491	1,740,491
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	1,292,219
080	BASE OPERATING SUPPORT .....	2,699,487	2,684,487
	Historical underexecution .....		[-15,000]
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>8,082,129</b>	<b>8,067,129</b>
	<b>TRAINING AND RECRUITING</b>		
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
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>1,036,653</b>	<b>1,036,653</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVI- TIES</b>		
170	SERVICEWIDE TRANSPORTATION .....	78,542	78,542
180	ADMINISTRATION .....	401,030	401,030
220A	CLASSIFIED PROGRAMS .....	62,590	62,590
	<b>SUBTOTAL ADMINISTRATION AND SERVICE- WIDE ACTIVITIES</b> .....	<b>542,162</b>	<b>542,162</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MA- RINE CORPS</b> .....	<b>9,660,944</b>	<b>9,645,944</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES OPERATING FORCES</b>		
010	MISSION AND OTHER FLIGHT OPERATIONS .....	669,533	669,533
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	44,784
110	BASE OPERATING SUPPORT .....	116,374	116,374
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>1,211,771</b>	<b>1,211,771</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVI- TIES</b>		
120	ADMINISTRATION .....	1,986	1,986
130	MILITARY MANPOWER AND PERSONNEL MANAGE- MENT .....	12,550	12,550
140	ACQUISITION AND PROGRAM MANAGEMENT .....	1,993	1,993

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
	<b>SUBTOTAL ADMINISTRATION AND SERVICE- WIDE ACTIVITIES</b> .....	<b>16,529</b>	<b>16,529</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</b> .....	<b>1,228,300</b>	<b>1,228,300</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE OPERATING FORCES</b>		
010	OPERATING FORCES .....	109,045	109,045
020	DEPOT MAINTENANCE .....	19,361	19,361
030	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	45,430	45,430
040	BASE OPERATING SUPPORT .....	118,364	118,364
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>292,200</b>	<b>292,200</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVI- TIES</b>		
050	ADMINISTRATION .....	12,033	12,033
	<b>SUBTOTAL ADMINISTRATION AND SERVICE- WIDE ACTIVITIES</b> .....	<b>12,033</b>	<b>12,033</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE</b> .....	<b>304,233</b>	<b>304,233</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	936,731	846,731
	Historical underexecution .....		[-150,000]
	Technical realignment .....		[60,000]
020	COMBAT ENHANCEMENT FORCES .....	2,657,865	2,597,865
	Technical realignment .....		[-60,000]
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) .....	1,467,518	1,467,518
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	4,341,794	4,321,794
	Historical underexecution .....		[-20,000]
050	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	4,091,088	4,111,088
	FSRM—AFFF Replacement Facilities/ assets .....		[75,000]
	Historical underexecution .....		[-55,000]
060	CYBERSPACE SUSTAINMENT .....	130,754	130,754
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUP- PORT .....	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 as- sets, 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	1,346,329
	Historical underexecution .....		[-90,000]
120	CYBERSPACE ACTIVITIES .....	716,931	716,931
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	431,807
	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	329,543
240	JOINT CYBER MISSION FORCE PROGRAMS .....	186,759	191,759
	Technical realignment .....		[5,000]
240A	CLASSIFIED PROGRAMS .....	1,705,801	1,705,801
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>45,827,528</b>	<b>45,545,559</b>
	<b>MOBILIZATION</b>		
250	AIRLIFT OPERATIONS .....	2,780,616	2,780,616
260	MOBILIZATION PREPAREDNESS .....	721,172	671,172
	Historical underexecution .....		[-50,000]
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>3,501,788</b>	<b>3,451,788</b>



SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
<b>TRAINING AND RECRUITING</b>			
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	779,625
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>3,044,183</b>	<b>3,044,183</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
390	LOGISTICS OPERATIONS .....	1,058,129	1,058,129
400	TECHNICAL SUPPORT ACTIVITIES .....	139,428	139,428
410	ADMINISTRATION .....	1,283,066	1,283,066
420	SERVICEWIDE COMMUNICATIONS .....	33,222	33,222
430	OTHER SERVICEWIDE ACTIVITIES .....	1,790,985	1,790,985
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
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>5,907,743</b>	<b>5,907,743</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE .....</b>	<b>58,281,242</b>	<b>57,949,273</b>
<b>OPERATION &amp; MAINTENANCE, SPACE FORCE OPERATING FORCES</b>			
010	GLOBAL C3I & EARLY WARNING .....	472,484	472,484
020	SPACE LAUNCH OPERATIONS .....	187,832	187,832
030	SPACE OPERATIONS .....	695,228	695,228
040	EDUCATION & TRAINING .....	153,135	153,135
060	DEPOT MAINTENANCE .....	285,863	285,863
070	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	235,253	235,253
080	CONTRACTOR LOGISTICS AND SYSTEM SUPPORT .....	1,358,565	1,358,565
090	SPACE OPERATIONS -BOS .....	144,937	144,937
090A	CLASSIFIED PROGRAMS .....	272,941	272,941
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,806,238</b>	<b>3,806,238</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
100	ADMINISTRATION .....	228,420	194,687
	Technical realignment .....		[-33,733]
110	LOGISTICS OPERATIONS .....		33,733
	Technical realignment .....		[33,733]
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>228,420</b>	<b>228,420</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, SPACE FORCE .....</b>	<b>4,034,658</b>	<b>4,034,658</b>
<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>			
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	133,782
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	341,724	341,724
060	BASE SUPPORT .....	522,195	522,195

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
070	CYBERSPACE ACTIVITIES .....	1,706	1,706
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,430,547</b>	<b>3,430,547</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
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
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>133,997</b>	<b>133,997</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE .....</b>	<b>3,564,544</b>	<b>3,564,544</b>
<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>			
010	AIRCRAFT OPERATIONS .....	2,301,784	2,301,784
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	437,042
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	12,661
080	CYBERSPACE ACTIVITIES .....	15,886	15,886
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,800,298</b>	<b>6,800,298</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
090	ADMINISTRATION .....	52,075	52,075
100	RECRUITING AND ADVERTISING .....	48,306	48,306
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>100,381</b>	<b>100,381</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG</b>	<b>6,900,679</b>	<b>6,900,679</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>			
010	JOINT CHIEFS OF STAFF .....	445,366	445,366
020	JOINT CHIEFS OF STAFF—CYBER .....	9,887	9,887
030	JOINT CHIEFS OF STAFF—JTEEP .....	679,336	679,336
040	OFFICE OF THE SECRETARY OF DEFENSE—MISO .....	246,259	246,259
050	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES .....	2,056,291	2,056,291
060	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES .....	39,178	39,178
070	SPECIAL OPERATIONS COMMAND INTELLIGENCE .....	1,513,025	1,510,025
	U-28A .....		[-3,000]
080	SPECIAL OPERATIONS COMMAND MAINTENANCE .....	1,207,842	1,199,972
	Advanced Engine Performance and Restoration Program (Nucleated Foam) .....		[3,000]
	Maintenance .....		[-5,000]
	MQ-9 Mallett reprogramming .....		[-5,870]
090	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS .....	196,271	189,271
	Maintenance .....		[-7,000]
100	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT .....	1,299,309	1,292,309
	Operational Support .....		[-7,000]
110	SPECIAL OPERATIONS COMMAND THEATER FORCES ..	3,314,770	3,319,770
	Combat Aviation Advisor mission support .....		[5,000]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>11,007,534</b>	<b>10,987,664</b>
<b>TRAINING AND RECRUITING</b>			
120	DEFENSE ACQUISITION UNIVERSITY .....	176,454	176,454
130	JOINT CHIEFS OF STAFF .....	101,492	101,492

**SEC. 4301. OPERATION AND MAINTENANCE**  
**(In Thousands of Dollars)**

<b>Line</b>	<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
140	SPECIAL OPERATIONS COMMAND/PROFESSIONAL DEVELOPMENT EDUCATION .....	35,279	30,279
	Professional Development Education .....		[-5,000]
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>313,225</b>	<b>308,225</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>		
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	1,496,300
	Program decrease .....		[-10,000]
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	941,241
	National Language Fellowship Add .....		[6,000]
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	643,643
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	248,631
	Web Enterprise Business .....		[5,000]
330	DEFENSE POW/MIA OFFICE .....	150,021	150,021
340	DEFENSE SECURITY COOPERATION AGENCY .....	2,445,669	2,172,669
	Baltic Security Initiative .....		[180,000]
	Offset for Baltic Security Initiative .....		[-180,000]
	Program increase .....		[27,000]
	Transfer to Ukraine Security Assistance Initiative .....		[-300,000]
350	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION .....	40,063	40,063
360	DEFENSE THREAT REDUCTION AGENCY .....	941,763	941,763
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	2,075,183
	Afghanistan War Commission .....		[2,500]
	Center for Excellence in Civilian Harm Mitigation .....		[5,000]
	Commission on Civilian Harm .....		[4,000]
	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]
	Information Assurance Scholarship Program .....		[25,000]
	National Security Commission on Emerging Biotechnology ..		[5,600]
	Office of the Secretary of Defense- ASD EI+E Personnel ..		[1,000]
	PPBE Commission .....		[3,800]
	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	369,943
500A	CLASSIFIED PROGRAMS .....	18,764,415	18,776,515
	Classified adjustment .....		[12,100]
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>37,085,757</b>	<b>36,865,468</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
<b>UNDISTRIBUTED</b>			
510	UNDISTRIBUTED .....		-820,000
	Foreign currency fluctuations .....		[-450,000]
	Historical unobligated balances .....		[-370,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>		<b>-820,000</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>	<b>48,406,516</b>	<b>47,341,357</b>
<b>UKRAINE SECURITY ASSISTANCE</b>			
010	UKRAINE SECURITY ASSISTANCE INITIATIVE .....		450,000
	Program increase .....		[150,000]
	Transfer from Defense Security Cooperation Agency .....		[300,000]
	<b>SUBTOTAL UKRAINE SECURITY ASSIST- ANCE .....</b>		<b>450,000</b>
	<b>TOTAL UKRAINE SECURITY ASSISTANCE ...</b>		<b>450,000</b>
<b>US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVI- TIES</b>			
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....	16,003	16,003
	<b>SUBTOTAL ADMINISTRATION AND ASSOCI- ATED ACTIVITIES .....</b>	<b>16,003</b>	<b>16,003</b>
	<b>TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF .....</b>	<b>16,003</b>	<b>16,003</b>
<b>DOD ACQUISITION WORKFORCE DEVELOP- MENT FUND</b>			
<b>ACQUISITION WORKFORCE DEVELOPMENT</b>			
010	ACQ WORKFORCE DEV FD .....	53,791	53,791
	<b>SUBTOTAL ACQUISITION WORKFORCE DE- VELOPMENT .....</b>	<b>53,791</b>	<b>53,791</b>
	<b>TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND .....</b>	<b>53,791</b>	<b>53,791</b>
<b>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b>			
<b>HUMANITARIAN ASSISTANCE</b>			
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID .....	112,800	112,800
	<b>SUBTOTAL HUMANITARIAN ASSISTANCE .....</b>	<b>112,800</b>	<b>112,800</b>
	<b>TOTAL OVERSEAS HUMANITARIAN, DIS- ASTER, AND CIVIC AID .....</b>	<b>112,800</b>	<b>112,800</b>
<b>COOPERATIVE THREAT REDUCTION ACCOUNT</b>			
010	COOPERATIVE THREAT REDUCTION .....	341,598	341,598
	<b>SUBTOTAL COOPERATIVE THREAT REDUC- TION .....</b>	<b>341,598</b>	<b>341,598</b>
	<b>TOTAL COOPERATIVE THREAT REDUC- TION ACCOUNT .....</b>	<b>341,598</b>	<b>341,598</b>
<b>ENVIRONMENTAL RESTORATION, ARMY DEPARTMENT OF THE ARMY</b>			
050	ENVIRONMENTAL RESTORATION, ARMY .....	196,244	196,244
	<b>SUBTOTAL DEPARTMENT OF THE ARMY .....</b>	<b>196,244</b>	<b>196,244</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, ARMY .....</b>	<b>196,244</b>	<b>196,244</b>
<b>ENVIRONMENTAL RESTORATION, NAVY DEPARTMENT OF THE NAVY</b>			
060	ENVIRONMENTAL RESTORATION, NAVY .....	359,348	889,348
	Program increase .....		[30,000]
	Red Hill .....		[500,000]

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2023 Request	House Authorized
	<b>SUBTOTAL DEPARTMENT OF THE NAVY .....</b>	<b>359,348</b>	<b>889,348</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, NAVY .....</b>	<b>359,348</b>	<b>889,348</b>
	<b>ENVIRONMENTAL RESTORATION, AIR FORCE DEPARTMENT OF THE AIR FORCE</b>		
070	ENVIRONMENTAL RESTORATION, AIR FORCE .....	314,474	344,474
	Program increase .....		[30,000]
	<b>SUBTOTAL DEPARTMENT OF THE AIR FORCE .....</b>	<b>314,474</b>	<b>344,474</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE .....</b>	<b>314,474</b>	<b>344,474</b>
	<b>ENVIRONMENTAL RESTORATION, DEFENSE DEFENSE-WIDE</b>		
080	ENVIRONMENTAL RESTORATION, DEFENSE .....	8,924	33,924
	FUDS—Military Munitions Response Program .....		[25,000]
	<b>SUBTOTAL DEFENSE-WIDE .....</b>	<b>8,924</b>	<b>33,924</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, DEFENSE .....</b>	<b>8,924</b>	<b>33,924</b>
	<b>ENVIRONMENTAL RESTORATION FORMERLY USED SITES DEFENSE-WIDE</b>		
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	227,262	227,262
	<b>SUBTOTAL DEFENSE-WIDE .....</b>	<b>227,262</b>	<b>227,262</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....</b>	<b>227,262</b>	<b>227,262</b>
	<b>SUPPORT FOR INTERNATIONAL SPORTING COMPETITIONS , DEFENSE OPERATIONS SUPPORT</b>		
100	SUPPORT OF INTERNATIONAL SPORTING COMPETI- TIONS, DEFENSE .....	10,377	10,377
	<b>SUBTOTAL OPERATIONS SUPPORT .....</b>	<b>10,377</b>	<b>10,377</b>
	<b>TOTAL SUPPORT FOR INTERNATIONAL SPORTING COMPETITIONS , DEFENSE ....</b>	<b>10,377</b>	<b>10,377</b>
	<b>RED HILL RECOVERY FUND</b>		
010	RED HILL RECOVERY FUND .....	1,000,000	0
	Realignment to execution accounts .....		[-1,000,000]
	<b>SUBTOTAL RED HILL RECOVERY FUND .....</b>	<b>1,000,000</b>	<b>0</b>
	<b>TOTAL RED HILL RECOVERY FUND .....</b>	<b>1,000,000</b>	<b>0</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>271,218,877</b>	<b>269,735,032</b>

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1 **TITLE XLIV—MILITARY**  
2 **PERSONNEL**

3 **SEC. 4401. MILITARY PERSONNEL.**

<b>SEC. 4401. MILITARY PERSONNEL</b> (In Thousands of Dollars)		
<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
<b>Military Personnel</b> .....	<b>164,139,628</b>	<b>163,634,028</b>
Military personnel historical underexecution .....		[-700,000]
BAH Absorption Restoration (1%) .....		[244,000]
Military Personnel, Navy—Restore Navy Force Structure Cuts (Manpower) .....		[100,400]
Foreign currency fluctuations .....		[-150,000]
<b>MERHCF</b> .....	<b>9,743,704</b>	<b>9,743,704</b>

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1 **TITLE XLV—OTHER**  
 2 **AUTHORIZATIONS**

3 **SEC. 4501. OTHER AUTHORIZATIONS.**

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)		
<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
<b>NATIONAL DEFENSE STOCKPILE TRANSACTION FUND</b>		
DEFENSE STOCKPILE .....	253,500	253,500
<b>TOTAL NATIONAL DEFENSE STOCKPILE TRANSACTION FUND .....</b>	<b>253,500</b>	<b>253,500</b>
<b>WORKING CAPITAL FUND, ARMY</b>		
ARMY ARSENALS INITIATIVE .....	28,448	28,448
ARMY SUPPLY MANAGEMENT .....	1,489	1,489
<b>TOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>29,937</b>	<b>29,937</b>
<b>WORKING CAPITAL FUND, AIR FORCE TRANSPORTATION</b>		
SUPPLIES AND MATERIALS .....	80,448	80,448
<b>TOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>80,448</b>	<b>80,448</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>		
DEFENSE AUTOMATION & PRODUCTION SERVICES .....	2	2
<b>DEFENSE INFORMATION SYSTEMS AGENCY</b>		
WORKING CAPITAL FUND SUPPORT .....	8,300	8,300
<b>TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE .....</b>	<b>8,302</b>	<b>8,302</b>
<b>WORKING CAPITAL FUND, DECA</b>		
WORKING CAPITAL FUND SUPPORT .....	1,211,208	1,711,208
Program increase .....		[500,000]
<b>TOTAL WORKING CAPITAL FUND, DECA .....</b>	<b>1,211,208</b>	<b>1,711,208</b>
<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b>		
CHEM DEMILITARIZATION—O&M .....	84,612	84,612
CHEM DEMILITARIZATION—RDT&E .....	975,206	975,206
<b>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION .....</b>	<b>1,059,818</b>	<b>1,059,818</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>		
COUNTER-NARCOTICS SUPPORT .....	619,474	619,474
DRUG DEMAND REDUCTION PROGRAM .....	130,060	130,060
NATIONAL GUARD COUNTER-DRUG PROGRAM .....	100,316	100,316
NATIONAL GUARD COUNTER-DRUG SCHOOLS .....	5,878	5,878
<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF .....</b>	<b>855,728</b>	<b>855,728</b>
<b>OFFICE OF THE INSPECTOR GENERAL</b>		
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
<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>479,359</b>	<b>479,359</b>
<b>DEFENSE HEALTH PROGRAM</b>		

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)		
<b>Item</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
IN-HOUSE CARE .....	9,906,943	9,906,943
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 EXPLORATORY 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
National Disaster Medical Surge Pilot and Implemen- tation .....		[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 MOD- ERNIZATION .....	240,224	240,224
SOFTWARE & DIGITAL TECHNOLOGY PILOT PRO- GRAMS .....	137,356	137,356
<b>TOTAL DEFENSE HEALTH PROGRAM</b> .....	<b>36,932,174</b>	<b>36,969,174</b>
<b>TOTAL OTHER AUTHORIZATIONS</b> .....	<b>40,910,474</b>	<b>41,447,474</b>

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1 **TITLE XLVI—MILITARY**  
 2 **CONSTRUCTION**

3 **SEC. 4601. MILITARY CONSTRUCTION.**

<b>SEC. 4601. MILITARY CONSTRUCTION</b> <b>(In Thousands of Dollars)</b>				
<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2023 Request</b>	<b>House Agreement</b>
	Alabama			
Army	Anniston Army Depot	General Purpose Warehouse .....	0	2,400
	Colorado			
Army	Fort Carson	Fire Station Support Building .....	14,200	14,200
	Germany			
Army	East Camp Grafenwoehr	EDI: Battalion Trng Cplk1 (Brks/Veh Maint) .....	104,000	104,000
Army	East Camp Grafenwoehr	EDI: Battalion Trng Cplk2 (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	7,600
	New Jersey			
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			
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
	<b>Military Construction, Army Total</b> .....		<b>845,565</b>	<b>928,679</b>
	Australia			
Navy	Royal Australian Air Force Base Darwin	PDI: Aircraft Parking Apron (Ine) .....	72,446	72,446
	California			
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 (Ine) .....	15,565	15,565
Navy	Marine Corps Air Ground Combat Center Twentynine Palms	Range Simulation Training & Operations Fac. ....	120,382	11,382
	Connecticut			

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
Navy	Naval Submarine Base New London	Relocate Underwater Electromagnetic Measure. ....	15,514	15,514
Navy	Florida Naval Air Station Jacksonville	Engine Test Cells Modifications .....	86,232	86,232
Navy	Marine Corps Support Facility Blount Is- land	Communications Infrastructure Modernization De- sign.	0	5,291
Navy	Naval Air Station Whiting Field	AHTS Aircraft Flight Simulator Facility .....	57,789	57,789
Navy	Georgia 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
Navy	Guam 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
Navy	Hawaii Marine Corps Base Kaneohe Bay	Bachelor Enlisted Quarters (P-973) .....	0	87,930
Navy	Joint Base Pearl Har- bor-Hickam	Dry Dock 3 Replacement (Inc) .....	621,185	621,185
Navy	Japan Kadena Air Base	PDI: Marine Corps Bachelor Enlisted Quarters .....	94,100	34,100
Navy	Kadena Air Base	PDI: Marine Corps Barracks Complex, Kadena .....	101,300	101,300
Navy	Maine Kittery	Multi-Mission Drydock #1 Extension (Inc) .....	503,282	503,282
Navy	Maryland Naval Surface Warfare Center Indian Head	Contained Burn Facility .....	0	4,750
Navy	Nevada Naval Air Station Fallon	F-35C Aircraft Maintenance Hangar .....	97,865	37,865
Navy	North Carolina Marine Corps Base Camp Lejeune	Regional Communications Station, Hadnot Point ..	47,475	47,475
Navy	Marine Corps Air Sta- tion Cherry Point	Aircraft Maintenance Hangar (Inc) .....	106,000	91,000
Navy	Marine Corps Air Sta- tion Cherry Point	CH-53K Gearbox Repair and Test Facility .....	38,415	38,415
Navy	Marine Corps Air Sta- tion Cherry Point	F-35 Flightline Util. Modern. Ph 2 (Inc) .....	58,000	58,000
Navy	Virginia 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
Navy	Washington Naval Air Station Whidbey Island	E/A-18G Aircraft Flt. Read. Squad. Train. Fac ....	37,461	37,461
Navy	Worldwide Unspecified 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
<b>Military Construction, Navy Total .....</b>			<b>3,752,391</b>	<b>3,318,546</b>
AF	Alabama Maxwell Air Force Base	Commercial Vehicle Inspection Gate .....	0	15,000
AF	Alaska Clear Air Force Sta- tion	LRDR Dormitory .....	68,000	68,000
AF	Joint Base Elmendorf- Richardson	Extend Runway 16/34, Inc .....	100,000	100,000
AF	California Vandenberg Air Force Base	GBSD Consolidated Maintenance Facility .....	89,000	89,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
AF	Travis Air Force Base Florida	KC-46 ADAL Simulator Facility, B179 .....	0	7,500
AF	Patrick Space Force Base	Consolidated Communications Facility .....	0	75,680
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			
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	Timian	PDI: Airfield Development Phase 1, Inc .....	58,000	58,000
AF	Timian	PDI: Fuel Tanks W/Pipeln & Hydrant Sys, Inc .....	92,000	92,000
AF	Timian	PDI: Parking Apron, Inc .....	41,000	41,000
	Massachusetts			
AF	Hanscom Air Force Base	MIT-Linear 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
	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

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
AF	Various Worldwide Locations	Unspecified Minor Military Construction .....	66,162	66,162
	Wyoming			
AF	F.E. Warren Air Force Base	GBSD Integrated Command Center Wing A .....	95,000	95,000
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
<b>Military Construction, Air Force Total .....</b>			<b>2,055,456</b>	<b>2,270,186</b>
	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

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
Def-Wide	U.S. Army Reserve Center, Conroe	Power Generation and Microgrid .....	0	9,600
Def-Wide	Joint Base San Antonio Virginia	Ambulatory Care Center Replacement (Dental) ....	58,600	58,600
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
Def-Wide	Worldwide Unspecified Locations	Energy Resilience and Conserv. Invest. Prog. ....	329,000	0
Def-Wide	Worldwide Unspecified Locations	ERCIP Design .....	224,250	224,250
Def-Wide	Worldwide Unspecified Locations	Exercise Related Minor Construction .....	18,644	18,644
Def-Wide	Worldwide Unspecified Locations	INDOPACOM .....	0	47,600
Def-Wide	Worldwide Unspecified Locations	INDOPACOM—Red Hill Fuel Distribution .....	0	75,000
Def-Wide	Worldwide Unspecified Locations	Planning and Design—Def-W .....	26,689	26,689
Def-Wide	Worldwide Unspecified Locations	Planning and Design—DHA .....	33,227	33,227
Def-Wide	Worldwide Unspecified Locations	Planning and Design—DLA .....	30,000	30,000
Def-Wide	Worldwide Unspecified Locations	Planning and Design—DODEA .....	20,086	20,086
Def-Wide	Worldwide Unspecified Locations	Planning and Design—MDA .....	47,063	47,063
Def-Wide	Worldwide Unspecified Locations	Planning and Design—NSA .....	9,618	9,618
Def-Wide	Worldwide Unspecified Locations	Planning and Design—SOCOM .....	26,978	26,978
Def-Wide	Worldwide Unspecified Locations	Planning and Design—TJS .....	2,360	2,360
Def-Wide	Worldwide Unspecified Locations	Planning and Design—WHS .....	2,106	2,106
Def-Wide	Worldwide Unspecified Locations	Unspecified Minor Construction—Def-W .....	3,000	3,000
Def-Wide	Worldwide Unspecified Locations	Unspecified Minor Construction—DHA .....	15,000	15,000
Def-Wide	Worldwide Unspecified Locations	Unspecified Minor Construction—DODEA .....	8,000	8,000
Def-Wide	Worldwide Unspecified Locations	Unspecified Minor Construction—NSA .....	6,000	6,000
Def-Wide	Worldwide Unspecified Locations	Unspecified Minor Construction—SOCOM .....	36,726	36,726
Def-Wide	Worldwide Unspecified Locations	Unspecified Minor Construction—DLA .....	31,702	31,702
<b>Military Construction, Defense-Wide Total .....</b>			<b>2,416,398</b>	<b>2,397,728</b>
NATO	Worldwide Unspecified NATO Security Investment Program	NATO Security Investment Program .....	210,139	210,139
<b>NATO Security Investment Program Total .....</b>			<b>210,139</b>	<b>210,139</b>
Army NG	Delaware New Castle	National Guard Readiness Center .....	16,000	16,000
Army NG	Florida 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 Recce Gunnery Complex .....	0	16,200
Army NG	Hawaii Kapolei	National Guard Readiness Center Addition .....	29,000	29,000
Army NG	Indiana Atlanta	National Guard Readiness Center .....	20,000	20,000
Army NG	Iowa West Des Moines	National Guard Readiness Center .....	15,000	15,000
Army NG	Louisiana Camp Beauregard	Energy Resilience Conservation Investment Program Project.	0	765

<b>SEC. 4601. MILITARY CONSTRUCTION</b> (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
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
Army NG	Michigan Camo Grayling	National Guard Readiness Center .....	16,000	16,000
Army NG	Minnesota New Ulm	National Guard Readiness Center .....	17,000	17,000
Army NG	Nevada Reno	National Guard Readiness Center Add/Alt .....	18,000	18,000
Army NG	New York Troy	National Guard Vehicle Maintenance Shop .....	17,000	17,000
Army NG	North Carolina McLeansville	National Guard Vehicle Maintenance Shop .....	15,000	15,000
Army NG	Puerto Rico Camp Santiago	Engineering/Housing Maintenance Shops (DPW) ..	14,500	14,500
Army NG	Vermont Bennington	National Guard Readiness Center .....	14,800	14,800
Army NG	West Virginia Buckhannon	National Guard Readiness Center Add/Alt .....	14,000	14,000
Army NG	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design .....	28,245	28,245
Army NG	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	35,933	35,933
Army NG	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	0	4,346
Army NG	Wyoming Sheridan	National Guard Vehicle Maintenance Shop .....	14,800	14,800
<b>Military Construction, Army National Guard Total .....</b>			<b>297,278</b>	<b>330,389</b>
Army Res	Florida Perrine	Army Reserve Center/AMSA .....	46,000	46,000
Army Res	Puerto Rico Fort Buchanan	Army Reserve Center .....	24,000	24,000
Army Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design .....	9,829	9,829
Army Res	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	20,049	20,049
<b>Military Construction, Army Reserve Total .....</b>			<b>99,878</b>	<b>99,878</b>
N/MC Res	Worldwide Unspecified Unspecified Worldwide Locations	MCNR Unspecified Minor Construction .....	27,747	18,747
N/MC Res	Worldwide Unspecified Unspecified Worldwide Locations	USMCR Planning and Design .....	2,590	2,590
<b>Military Construction, Naval Reserve Total .....</b>			<b>30,337</b>	<b>21,337</b>
Air NG	Alabama Birmingham International Airport	Security and Services Training Facility .....	7,500	7,500
Air NG	Arizona Montgomery	F-35 Weapons Load Crew Training Facility .....	0	6,800
Air NG	Arizona Morris Air National Guard Base	Base Entry Complex .....		12,000
Air NG	Tucson International Airport	Land Acquisition .....	10,000	10,000
Air NG	Florida Jacksonville Air National Guard Base	F-35 Construct Munitions Storage Area Admin- Jacksonville IAP Design.	0	730
Air NG	Florida Jacksonville Air National Guard Base	F-35 Munitions Maintenance and Inspection Facility Design.	0	530
Air NG	Florida Jacksonville International Airport	F-35 Construct Flight Simulator Facility .....	22,200	22,200
Air NG	Indiana Fort Wayne International Airport	Munitions Maintenance & Storage Complex .....	12,800	12,800
Air NG	Tennessee McGhee-Tyson Airport	KC-135 Maintenance Shops .....	23,800	23,800
Air NG	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design .....	28,412	28,412
Air NG	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	44,171	44,171

<b>SEC. 4601. MILITARY CONSTRUCTION</b> (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
<b>Military Construction, Air National Guard Total</b> .....			<b>148,883</b>	<b>168,943</b>
AF Res	California Beale Air Force Base	940 ARW Squad OPS/AMU .....	33,000	33,000
AF Res	Virginia Joint Base Langley-Eustis	Reserve Intelligence Group Facility .....	0	10,500
AF Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning & Design .....	11,773	11,773
AF Res	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	11,850	11,850
<b>Military Construction, Air Force Reserve Total</b> .....			<b>56,623</b>	<b>67,123</b>
FH Con Army	Germany Baumholder	Family Housing Replacement Construction .....	57,000	57,000
FH Con Army	Italy Vicenza	Family Housing New Construction .....	95,000	95,000
FH Con Army	Worldwide Unspecified Unspecified Worldwide Locations	Family Housing P & D .....	17,339	17,339
<b>Family Housing Construction, Army Total</b> .....			<b>169,339</b>	<b>169,339</b>
FH Ops Army	Worldwide Unspecified 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
<b>Family Housing Operation And Maintenance, Army Total</b> .....			<b>436,411</b>	<b>436,411</b>
FH Con Navy	Guam Joint Region Marianas	Replace Andersen Housing Ph VI .....	68,985	68,985
FH Con Navy	Mariana Islands Guam	Replace Andersen Housing Ph IV .....	86,390	86,390
FH Con Navy	Guam	Replace Andersen Housing Ph V .....	93,259	93,259
FH Con Navy	Worldwide Unspecified 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 DPR/Guam Planning and Design .....	7,080	7,080
<b>Family Housing Construction, Navy And Marine Corps Total</b> .....			<b>337,297</b>	<b>337,297</b>
FH Ops Navy	Worldwide Unspecified 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
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

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
<b>Family Housing Operation And Maintenance, Navy And Marine Corps Total.</b>			<b>368,224</b>	<b>368,224</b>
	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
<b>Family Housing Construction, Air Force Total .....</b>			<b>232,788</b>	<b>232,788</b>
	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
<b>Family Housing Operation And Maintenance, Air Force Total .....</b>			<b>355,222</b>	<b>355,222</b>
	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
<b>Family Housing Operation And Maintenance, Defense-Wide Total .....</b>			<b>50,113</b>	<b>50,113</b>
	Worldwide Unspecified			
FHIF	Unspecified Worldwide Locations	Administrative Expenses—FHIF .....	6,442	6,442
<b>DOD Family Housing Improvement Fund Total .....</b>			<b>6,442</b>	<b>6,442</b>
	Worldwide Unspecified			
UHIF	Unspecified Worldwide Locations	Administrative Expenses—UHIF .....	494	494
<b>Unaccompanied Housing Improvement Fund Total .....</b>			<b>494</b>	<b>494</b>
	Worldwide Unspecified			
BRAC	Base Realignment & Closure, Army	Base Realignment and Closure .....	67,706	117,706
<b>Base Realignment and Closure—Army Total .....</b>			<b>67,706</b>	<b>117,706</b>
	Worldwide Unspecified			
BRAC	Unspecified Worldwide Locations	Base Realignment & Closure .....	106,664	156,664



SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2023 Request	House Agreement
<b>Base Realignment and Closure—Navy Total</b> .....			<b>106,664</b>	<b>156,664</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	DOD BRAC Activities—Air Force .....	107,311	107,311
<b>Base Realignment and Closure—Air Force Total</b> .....			<b>107,311</b>	<b>107,311</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Int-4; DLA Activities .....	3,006	3,006
<b>Base Realignment and Closure—Defense-wide Total</b> .....			<b>3,006</b>	<b>3,006</b>
<b>Total, Military Construction</b> .....			<b>12,153,965</b>	<b>12,153,965</b>



1 **TITLE XLVII—DEPARTMENT OF**  
 2 **ENERGY NATIONAL SECURITY**  
 3 **PROGRAMS**

4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**  
 5 **PROGRAMS.**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2023 Request	House Authorized
<b>Discretionary Summary By Appropriation</b>		
<b>Energy And Water Development, And Related Agencies</b>		
<b>Appropriation Summary:</b>		
<b>Energy Programs</b>		
Nuclear Energy .....	156,600	156,600
<b>Atomic Energy Defense Activities</b>		
<b>National nuclear security administration:</b>		
Weapons activities .....	16,486,298	16,506,298
Defense nuclear nonproliferation .....	2,346,257	2,346,257
Naval reactors .....	2,081,445	2,081,445
Federal salaries and expenses .....	496,400	496,400
<b>Total, National Nuclear Security Administration .....</b>	<b>21,410,400</b>	<b>21,430,400</b>
<b>Environmental and other defense activities:</b>		
Defense environmental cleanup .....	6,914,532	6,914,532
Other defense activities .....	978,351	978,351
<b>Total, Environmental &amp; other defense activities .....</b>	<b>7,892,883</b>	<b>7,892,883</b>
<b>Total, Atomic Energy Defense Activities .....</b>	<b>29,303,283</b>	<b>29,323,283</b>
<b>Total, Discretionary Funding .....</b>	<b>29,459,883</b>	<b>29,479,883</b>
<b>Nuclear Energy</b>		
Idaho site-wide safeguards and security .....	156,600	156,600
<b>Total, Nuclear Energy .....</b>	<b>156,600</b>	<b>156,600</b>
<b>Stockpile Management</b>		
<b>Stockpile Major Modernization</b>		
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	0
W87-1 Modification Program .....	680,127	680,127
W93 Program .....	240,509	240,509
<b>Total, Stockpile Major Modernization .....</b>	<b>2,877,163</b>	<b>2,872,163</b>
<b>Stockpile services</b>		
Stockpile Sustainment .....	1,321,139	1,311,139
Weapons Dismantlement and Disposition .....	50,966	45,966
Production Operations .....	630,894	630,894
Nuclear Enterprise Assurance .....	48,911	48,911
<b>Subtotal, Stockpile Services .....</b>	<b>2,051,910</b>	<b>2,036,910</b>
<b>Total, Stockpile Management .....</b>	<b>4,929,073</b>	<b>4,909,073</b>
<b>Weapons Activities</b>		
<b>Production Modernization</b>		
<b>Primary Capability Modernization</b>		
<b>Plutonium Modernization</b>		
<b>Los Alamos Plutonium Modernization</b>		
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
<b>Subtotal, Los Alamos Plutonium Modernization .....</b>	<b>1,572,419</b>	<b>1,572,419</b>

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2023 Request	House Authorized
<b>Savannah River Plutonium Modernization</b>		
Savannah River Plutonium Operations .....	58,300	58,300
21-D-511 Savannah River Plutonium Processing Facility, SRS .....	700,000	700,000
<b>Subtotal, Savannah River Plutonium Modernization .....</b>	<b>758,300</b>	<b>758,300</b>
Enterprise Plutonium Support .....	88,993	88,993
<b>Total, Plutonium Modernization .....</b>	<b>2,419,712</b>	<b>2,419,712</b>
<b>High Explosives and Energetics</b>		
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	108,000
15-D-301 HE Science & Engineering Facility, PX .....	20,000	20,000
<b>Total, High Explosives and Energetics .....</b>	<b>248,380</b>	<b>248,380</b>
<b>Total, Primary Capability Modernization .....</b>	<b>2,668,092</b>	<b>2,668,092</b>
<b>Secondary Capability Modernization</b>		
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
<b>Total, Secondary Capability Modernization .....</b>	<b>1,115,249</b>	<b>1,115,249</b>
<b>Tritium and Domestic Uranium Enrichment</b>		
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
<b>Total, Tritium and Domestic Uranium Enrichment .....</b>	<b>579,949</b>	<b>579,949</b>
Non-Nuclear Capability Modernization .....	123,084	123,084
Capability Based Investments .....	154,220	154,220
<b>Total, Production Modernization .....</b>	<b>4,640,594</b>	<b>4,640,594</b>
<b>Stockpile Research, Technology, and Engineering</b>		
Assessment Science .....	854,798	844,798
Engineering and Integrated Assessments .....	366,455	361,455
Inertial Confinement Fusion .....	544,095	624,095
Advanced Simulation and Computing .....	742,646	735,146
Weapon Technology and Manufacturing Maturation .....	286,165	283,665
Academic Programs .....	100,499	95,499
<b>Total, Stockpile Research, Technology, and Engineering .....</b>	<b>2,894,658</b>	<b>2,944,658</b>
<b>Infrastructure and Operations</b>		
Operations of facilities .....	1,038,000	1,028,000
Safety and environmental operations .....	162,000	162,000
Maintenance and repair of facilities .....	680,000	680,000
<b>Recapitalization:</b>		
Infrastructure and safety .....	561,663	561,663
<b>Total, Recapitalization .....</b>	<b>561,663</b>	<b>561,663</b>
<b>Construction:</b>		
23-D-519 Special Materials Facility, Y-12 .....	49,500	49,500
23-D-518 Plutonium Modernization Operations & Waste Manage- ment 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
<b>Total, Construction .....</b>	<b>189,300</b>	<b>189,300</b>
<b>Total, Infrastructure and operations .....</b>	<b>2,630,963</b>	<b>2,620,963</b>
<b>Secure transportation asset</b>		
Operations and equipment .....	214,367	214,367
Program direction .....	130,070	130,070
<b>Total, Secure transportation asset .....</b>	<b>344,437</b>	<b>344,437</b>
<b>Defense Nuclear Security</b>		
Operations and Maintenance .....	878,363	878,363

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2023 Request	House Authorized
Construction: .....		0
17-D-710 West end protected area reduction project, Y-12 .....	3,928	3,928
<b>Total, Defense nuclear security .....</b>	<b>882,291</b>	<b>882,291</b>
Information technology and cybersecurity .....	445,654	445,654
Legacy contractor pensions .....	114,632	114,632
Use of Prior Year Balances .....	-396,004	-396,004
<b>Total, Weapons Activities .....</b>	<b>16,486,298</b>	<b>16,506,298</b>
<b>Defense Nuclear Nonproliferation</b>		
<b>Defense Nuclear Nonproliferation Programs</b>		
<b>Global material security</b>		
International nuclear security .....	81,155	81,155
Radiological security .....	244,827	244,827
Nuclear smuggling detection and deterrence .....	178,095	188,095
<b>Total, Global material security .....</b>	<b>504,077</b>	<b>514,077</b>
<b>Material management and minimization</b>		
Conversion .....	153,260	153,260
Nuclear material removal .....	41,600	41,600
Material disposition .....	256,025	256,025
<b>Total, Material management &amp; minimization .....</b>	<b>450,885</b>	<b>450,885</b>
Nonproliferation and arms control .....	207,656	207,656
<b>Defense nuclear nonproliferation R&amp;D</b>		
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
<b>Total, Defense nuclear nonproliferation R&amp;D .....</b>	<b>720,245</b>	<b>730,245</b>
NNSA Bioassurance Program .....	20,000	0
<b>Nonproliferation Construction:</b>		
18-D-150 Surplus Plutonium Disposition Project, SRS .....	71,764	71,764
<b>Total, Nonproliferation construction .....</b>	<b>71,764</b>	<b>71,764</b>
<b>Total, Defense Nuclear Nonproliferation Programs .....</b>	<b>1,974,627</b>	<b>1,974,627</b>
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
<b>Total, Defense Nuclear Nonproliferation .....</b>	<b>2,346,257</b>	<b>2,346,257</b>
<b>Naval Reactors</b>		
Naval reactors development .....	798,590	798,590
Columbia-Class reactor systems development .....	53,900	53,900
SSG Prototype refueling .....	20,000	20,000
Naval reactors operations and infrastructure .....	695,165	695,165
<b>Construction:</b>		
23-D-533 BL Component Test Complex .....	57,420	57,420
14-D-901 Spent Fuel Handling Recapitalization Project, NRF .....	397,845	397,845
<b>Total, Construction .....</b>	<b>455,265</b>	<b>455,265</b>
Program direction .....	58,525	58,525
<b>Total, Naval Reactors .....</b>	<b>2,081,445</b>	<b>2,081,445</b>
<b>Federal Salaries And Expenses</b>		
Program direction .....	513,200	513,200
Use of Prior Year Balances .....	-16,800	-16,800
<b>Total, Office Of The Administrator .....</b>	<b>496,400</b>	<b>496,400</b>
<b>Defense Environmental Cleanup</b>		
<b>Closure sites:</b>		
Closure sites administration .....	4,067	4,067
<b>Richland:</b>		

<b>SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS</b> (In Thousands of Dollars)		
<b>Program</b>	<b>FY 2023 Request</b>	<b>House Authorized</b>
River corridor and other cleanup operations .....	135,000	135,000
Central plateau remediation .....	650,240	650,240
Richland community and regulatory support .....	10,013	10,013
<b>Construction:</b>		
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
<b>Total, Construction</b> .....	<b>22,350</b>	<b>22,350</b>
<b>Total, Hanford site</b> .....	<b>817,603</b>	<b>817,603</b>
<b>Office of River Protection:</b>		
Waste Treatment Immobilization Plant Commissioning .....	462,700	462,700
Rad liquid tank waste stabilization and disposition .....	801,100	801,100
<b>Construction:</b>		
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project .....	4,408	4,408
01-D-16D High-Level Waste Facility .....	316,200	316,200
01-D-16E Pretreatment Facility .....	20,000	20,000
<b>Total, Construction</b> .....	<b>340,608</b>	<b>340,608</b>
<b>Total, Office of River Protection</b> .....	<b>1,604,408</b>	<b>1,604,408</b>
<b>Idaho National Laboratory:</b>		
Idaho cleanup and waste disposition .....	350,658	350,658
Idaho community and regulatory support .....	2,705	2,705
<b>Construction:</b>		
22-D-403 Idaho Spent Nuclear Fuel Staging Facility .....	8,000	8,000
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project .....	8,000	8,000
23-D-402—Calclene Construction .....	10,000	10,000
<b>Total, Construction</b> .....	<b>26,000</b>	<b>26,000</b>
<b>Total, Idaho National Laboratory</b> .....	<b>379,363</b>	<b>379,363</b>
<b>NNSA sites and Nevada off-sites</b>		
Lawrence Livermore National Laboratory .....	1,842	1,842
LLNL Excess Facilities D&D .....	12,004	12,004
<b>Nuclear facility D &amp; D</b>		
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
<b>Total, NNSA sites and Nevada off-sites</b> .....	<b>422,636</b>	<b>422,636</b>
<b>Oak Ridge Reservation:</b>		
OR Nuclear facility D & D .....	334,221	334,221
<b>Total, OR Nuclear facility D &amp; D</b> .....	<b>334,221</b>	<b>334,221</b>
U233 Disposition Program .....	47,628	47,628
OR cleanup and disposition .....	62,000	62,000
<b>Construction:</b>		
17-D-401 On-site waste disposal facility .....	35,000	35,000
<b>Total, Construction</b> .....	<b>35,000</b>	<b>35,000</b>
<b>Total, OR cleanup and waste disposition</b> .....	<b>144,628</b>	<b>144,628</b>
OR community & regulatory support .....	5,300	5,300
OR technology development and deployment .....	3,000	3,000
<b>Total, Oak Ridge Reservation</b> .....	<b>487,149</b>	<b>487,149</b>
<b>Savannah River Sites:</b>		
Savannah River risk management operations .....	416,317	416,317
<b>Construction:</b>		
18-D-402 Emergency Operations Center Replacement, SR .....	25,568	25,568
19-D-701 SR Security Systems Replacement .....	5,000	5,000
<b>Total, risk management operations</b> .....	<b>30,568</b>	<b>30,568</b>

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2023 Request	House Authorized
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	851,660
<b>Construction:</b>		
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
<b>Total, Construction</b> .....	<b>87,500</b>	<b>87,500</b>
<b>Total, Savannah River site</b> .....	<b>1,571,476</b>	<b>1,571,476</b>
<b>Waste Isolation Pilot Plant</b>		
Waste Isolation Pilot Plant .....	371,943	371,943
<b>Construction:</b>		
15-D-411 Safety significant confinement ventilation system, WIPP .....	59,073	59,073
15-D-412 Exhaust Shaft, WIPP .....	25,000	25,000
<b>Total, Construction</b> .....	<b>84,073</b>	<b>84,073</b>
<b>Total, Waste Isolation Pilot Plant</b> .....	<b>456,016</b>	<b>456,016</b>
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
<b>Total, Defense Environmental Cleanup</b> .....	<b>6,914,532</b>	<b>6,914,532</b>
<b>Other Defense Activities</b>		
<b>Environment, health, safety and security</b>		
Environment, health, safety and security .....	138,854	138,854
Program direction .....	76,685	76,685
<b>Total, Environment, Health, safety and security</b> .....	<b>215,539</b>	<b>215,539</b>
<b>Independent enterprise assessments</b>		
Independent enterprise assessments .....	27,486	27,486
Program direction .....	57,941	57,941
<b>Total, Independent enterprise assessments</b> .....	<b>85,427</b>	<b>85,427</b>
Specialized security activities .....	306,067	306,067
<b>Office of Legacy Management</b>		
Legacy management .....	174,163	174,163
Program direction .....	21,983	21,983
<b>Total, Office of Legacy Management</b> .....	<b>196,146</b>	<b>196,146</b>
Defense related administrative support .....	170,695	170,695
Office of hearings and appeals .....	4,477	4,477
<b>Subtotal, Other defense activities</b> .....	<b>978,351</b>	<b>978,351</b>
<b>Total, Other Defense Activities</b> .....	<b>978,351</b>	<b>978,351</b>

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## DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

### TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, ARMY

##### Items of Special Interest

###### *AH-64 Apache modernization plan*

The budget contained \$10.0 million in PE 0607145A for the Apache Future Development program. The committee is aware that the AH-64 Apache will continue to serve as the Army's principal attack helicopter until the year 2050 and beyond. The committee notes that, while the Army intends to purchase the final AH-64E aircraft in fiscal year 2025, the service has no comprehensive, budgeted plan to modernize the aircraft over the next 30 years. Since initial fielding of the AH-64A, the Army has executed effective and affordable Apache modernization through systematic remanufacturing of the aircraft every 12-15 years. The committee is concerned about the lack of a future modernization strategy for Apache.

Therefore, the committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services not later than December 1, 2022, on a plan to ensure AH-64 Apache relevancy for the remainder of its service life. The briefing should include, at a minimum, major capability requirements necessary to meet the objectives of the most recent National Defense Strategy and the estimated costs and schedule associated with these requirements.

The committee also recommends \$35.0 million in PE 0607145A, an increase of \$25.0 million, for the Apache Future Development program to conduct engineering analysis and address near-term modernization needs to ensure the Apache remains operationally dominant through 2050.

###### *Report on Improved Turbine Engine Program*

The committee continues to support the Improved Turbine Engine Program (ITEP). ITEP is designed to provide a more fuel efficient and powerful engine to enhance the performance and operational readiness of the current Black Hawk and Apache helicopter fleets and power the new Future Attack Reconnaissance Aircraft. The committee notes that ensuring a stable supply chain for ITEP should be a priority. Accordingly, the committee directs the Secretary of the Army to submit a report to the Committees on Armed Services of the Senate and the House of Representatives not later than April 1, 2023, analyzing the supply chain for ITEP. The report shall include, at a minimum:

- (1) An outline of the ITEP supply chain as of the date of the report;
- (2) Identification of each engine component under the program that is manufactured in the United States and that is manufactured at an international location and imported into the United States;
- (3) An assessment of how the COVID-19 pandemic affected the ITEP supply chain;
- (4) Identification of potential defense supply chain vulnerabilities through analysis of the scope of foreign control over critical military supply chains;
- (5) Courses of action that may be implemented to minimize vulnerabilities in the supply chain resulting from foreign control of critical defense materials and to restore domestic control over critical defense materials and improve security relating to such materials; and
- (6) Other information as the Secretary deems appropriate.

## RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, AIR FORCE

### Items of Special Interest

#### *All-domain multi-sensor and multi-intelligence data fusion*

The budget request contained \$13.1 million in PE 0305022F for the ISR Modernization and Automation Development program. The committee recognizes the need to develop and deploy all-domain multi-sensor data fusion and integration capabilities to improve the quality and timeliness of intelligence, surveillance, and reconnaissance (ISR) systems and their associated processing and dissemination. The committee is aware that commercial software analytics have the potential to inform the intelligence cycle with increased speed and accuracy. Potential benefits from commercial data fusion could include multi-sensor data analytics at machine-speed using Synthetic Aperture Radar (SAR), light detection and ranging (LiDAR), and electro-optical (EO) and radio frequency (RF), to increase confidence in analysis and decision-making, as well as processing and exploitation supported by machine learning and automation, to uncover patterns of life activities across intelligence reporting.

The committee supports the Air Force's efforts to increase automation in ISR analysis with the goals of reducing the burden on human analysts while increasing the relevance of the intelligence provided. Therefore, the committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services not later than February 1, 2023, on the utilization of these data fusion tools, the acquisition strategy for procuring them, and how a software-as-a-service model might be implemented to acquire these capabilities.

The committee also recommends \$23.1 million, an increase of \$10.0 million, in PE 0305022F for the ISR Modernization and Automation Development program to support all-domain multi-sensor and multi-intelligence data fusion.

#### *Sensor open systems architecture*

The budget request contained \$55.0 million in PE 0305206F for the Airborne Reconnaissance Program, including \$0.8 million for the sensor open system architecture project.

The committee notes that despite consistent congressional direction encouraging the pursuit of sensor open systems architecture (SOSA) hardware and software standards, the Air Force continues to invest in proprietary, closed system software development that limits competition to traditional defense contractors, increases costs to the service, and runs counter to the stated objectives of both the Air Force's Advanced Battle Management System and the Department of Defense's Joint All Domain Command and Control framework. The committee has supported the Department's adoption of modular open systems architecture and the accompanying open systems standards initiatives to foster better interoperability and easier, more affordable modernization across a range of capabilities. SOSA aims to develop common standards and interfaces for radar, electro-optical/infrared, electronic warfare, signals intelligence, and communications systems in support of Air Force airborne reconnaissance platforms and capabilities. The committee recognizes the ongoing necessity of timely, modern, and affordable intelligence, reconnaissance, and surveillance and the importance of moving away from closed, contractor-proprietary sensors to achieve these goals.

The committee further notes that in the response to the committee report accompanying the National Defense Authorization Act for Fiscal Year 2022 (H. Rept. 117-118), the Secretary of the Air Force stated that some aspects of the SOSA technical standard are not distributable outside of U.S. channels and are therefore not releasable to NATO partners or non-traditional defense contractors. The committee directs the Secretary of the Air Force to provide a report to the congressional defense committees not later than December 16, 2022, on which aspects of the standard are not releasable and an explanation of the restricted access.

Further, the committee recommends \$75.0 million, an increase of \$20.0 million, in PE 0305206F for the Airborne Reconnaissance Program, specifically for the sensor open systems architecture project.

#### *Special mission airborne signals intelligence enterprise technology*

The budget request contained \$108.5 million in PE 0304260F for the Airborne SIGINT Enterprise, including \$7.9 million for the special programs project. The committee is aware of the successful performance of government-designed signal collection systems used across multiple platforms for gathering airborne signal intelligence information. The committee understands that elements of the Air Force and U.S. Special Operations Command depend on such technologies to quickly assess threats and give operational commanders options for operational decisions.

The committee is aware that certain combatant commands identified the need for this technology in a Joint Emergent Operational Needs Statement and that

the requirement remains in effect. The committee encourages the Air Force to ensure that these technologies can be developed and deployed in adequate quantities to reduce risk to military personnel and increase timely dissemination of decision information to relevant commanders. Accordingly, the committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services not later than December 1, 2022, on the status of these programs.

The committee also recommends \$115.5 million, an increase of \$7.0 million, in PE 0304260F for the Airborne SIGINT Enterprise, specifically for the special programs project.

## TITLE III—OPERATION AND MAINTENANCE

### ITEMS OF SPECIAL INTEREST

#### OTHER MATTERS

#### Comptroller General Review of Contractor-Owned and Contractor-Operated Fuel Agreements

The committee is concerned about the availability of vital resources during conflict within contested environments, specifically fuel. Furthermore, the committee is curious as to whether contract mechanisms might be available to mitigate such risks. Therefore, the committee directs the Comptroller General of the United States to review the agreements entered into by the Secretary of Defense for contractor-owned and contractor-operated items and services relating to fuel distribution and access. The review shall include:

(1) an assessment of specific provisions that may be included under such agreements;

(2) an assessment of specific types of such agreements that would ensure the availability of fuel during periods of conflict, including provisions requiring the continuance of performance during emergencies and financial instruments or other letters of credit that compel compliance; and

(5) defense cooperation agreements, host nation support agreements, or other types of agreements that provide for access to the foreign country in which fuel is to be distributed.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services not later than June 1, 2023, on the Comptroller General's preliminary findings and present final results in a format and timeframe agreed to at the time of the briefing.

#### Comptroller General Review of Red Hill Bulk Fuel Storage Facility Remediation Efforts

The committee notes that the November 2021 release of fuel from the Red Hill Bulk Fuel Storage Facility in Hawaii has impacted drinking water for service members and civilians on Oahu. In March 2022, the Department of Defense announced the intention to defuel and permanently close the facility, as well as remediate the surrounding area; \$100.0 million has been appropriated to support this defueling, though full decommissioning and remediation costs are unknown. Therefore, the committee directs the Comptroller General of the United States to review these remediation efforts. This review shall study:

(1) the remediation of the environmental contamination resulting from the Red Hill fuel releases;

(2) the Department's efforts to calculate and record environmental liabilities for the Red Hill incident; and

(3) the Department's total projected costs to decommission and remediate the Red Hill site.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services not later than June 1, 2023, on the Comptroller General's preliminary findings and present final results in a format and timeframe agreed to at the time of the briefing.

#### Feasibility Assessment on Determining Source of Petroleum Products

The committee notes that having a comprehensive understanding of how Department of Defense equipment is powered is important, including the source of said energy. Therefore, the committee directs the Director of the Defense Logistics Agency (DLA) to provide a briefing to the House Committee on Armed Services by February 15, 2023, on the feasibility of being able to specify the sources of crude oil that is eventually refined, purchased by DLA Energy, and used by the Department of Defense. These sources should include locations like the major oil fields in the continental United States, Alaska, and offshore water source of crude.

## TITLE V—MILITARY PERSONNEL POLICY

### ITEMS OF SPECIAL INTEREST

#### Effectiveness of the Office of Cost Assessment and Program Evaluation

The committee understands the Office of Cost Assessment and Program Evaluation (CAPE) provides the Department of Defense analysis on resource allocation and cost estimation problems related to the delivery of an optimum portfolio of military capabilities through efficient and effective use of each taxpayer dollar. However, in some instances the role of CAPE has lacked transparency and proactive discussions with Congress on issues with major budgetary implications have been infrequent.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than January 1, 2023, that includes the following:

- (1) an overview of CAPE staffing to include military, civilian, and contractor personnel;
- (2) the cost of CAPE's operations, studies, and related programs;
- (3) the return on investment the Department receives for CAPE's program assessment capabilities and how those are measured;
- (4) the number of reviews and assessments the Department has completed on CAPE's performance both external to the Department if applicable and internal with any findings and recommendations over the last 20 years;
- (5) a historical assessment on whether CAPE projects have increased in scope and complexity over the last 20 years and whether there is a prioritization issue because of lack of resources;
- (6) a historical performance assessment of CAPE analysis relative to that produced by the military services in terms of the ability to accurately forecast future threats and requirements over the last 20 years;
- (7) a list of outreach engagements that CAPE has conducted with the Senate Committee on Armed Services and the House Committee on Armed Services over the last 5 years; and
- (8) a review of CAPE's internal reform efforts during the recent zero-based review.

## TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

### ITEMS OF SPECIAL INTEREST

#### Rates of Basic Allowance for Housing inside the United States

The committee continues to be concerned about the affordability of housing for service members across the United States considering the current and continuing economic conditions. The availability and cost of family housing is of greatest concern and the committee believes it is necessary for the Secretary of Defense to proactively address this concern. In the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) Congress authorized, but did not require, the Department to decrement the Basic Allowance for Housing (BAH) by up to 5 percent. The Department, by policy, chose to reduce the Basic Allowance for Housing rate accordingly and service members only receive 95 percent of the calculated Basic Allowance for Housing. This out-of-pocket cost further reduces the buying power of service member families, especially in high cost of living areas of the United States. As a result of the Department of Defense policy the Basic Allowance for Housing was reduced, but it is possible for the Department to reverse part of this or even eliminate the reduction without further legislation. The committee encourages the



Secretary of Defense to consider reversing this housing allowance reduction and restoring to service members 100 percent of the calculated Basic Allowance for Housing. The committee directs the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives not later than March 1, 2023, on its consideration of this policy reversal that includes:

- (1) the timeline considered to reverse 100 percent of the current BAH reduction;
- (2) the cost of a reversal of the BAH reduction policy;
- (3) the additional average increase of allowance by grade and dependency status; and
- (4) any other policy consideration the Secretary deems appropriate.

## TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

### ITEMS OF SPECIAL INTEREST

#### Army and Navy Contract Writing Systems

Over the last 12 months, the committee has observed with concern the consequences of a series of poor decisions in the procurement of modern contract writing systems by the Army in its Army Contract Writing System, and the Navy with its electronic procurement system. The failure to achieve progress in these large-scale procurements has led to major cost overruns and significant delays, too commonly treated as infrequent missteps. As a result, changes in program direction are approached as small corrections in an otherwise typical acquisition, without the sense of urgency that should accompany the recognition that ongoing failures have resulted in contracting professionals left to rely on outdated systems and technology.

A commonality between these programs has been that their oversight and management has been run by procurement leadership teams, instead of information technology professionals, with the results clearly demonstrating the effects. The committee is concerned that in reevaluating these programs, program managers have not considered technology-forward approaches, industry best practices, proven commercial-off-the-shelf solutions in use across the Federal Government, or innovative procurement processes, such as prize competitions. While the committee is encouraged that the services' Chief Information Officers are taking a larger role in technology-centric program acquisition, the committee believes more needs to be done to reach the aspirational end state.

Therefore, the committee directs the Secretary of the Army, in coordination with the Secretary of the Navy and without delegation below the service Chief Information Officer, to provide a briefing to the House Committee on Armed Services not later than December 1, 2022, to detail progress underway to elevate the role of the Chief Information Officer in the procurement of defense business

systems, consider technology-forward approaches, leverage proven Federal solutions, and ensure an agile solution is in place for acquisition professionals in fiscal year 2023.

### Army Autonomous Ground Vehicles

The committee recognizes the need to increase investments in artificial intelligence/machine learning (AI/ML) enabled autonomous systems to support strategic competition with near-peer adversaries. The committee believes that to ensure technological and military superiority, the Department of Defense must lead in both developing and quickly integrating artificial intelligence capabilities into its systems and operational concepts, particularly its major defense acquisition programs to make them more reliable, networked, and effective.

The committee notes that section 218 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) directed the Secretary of the Navy to designate an existing program executive from within the Department of the Navy to serve as the acquisition executive agent for autonomy with primary responsibility for the acquisition of autonomous technology.

The committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services by March 1, 2023, on the potential value of designating an existing program executive to serve as acquisition executive agent responsible for AI/ML capabilities to support the development of autonomous vehicle systems and develop and maintain an acquisition strategy. The briefing should include coordination with the Secretary of the Navy to identify lessons learned from the Navy's experience. The briefing should further provide an updated strategy on autonomy and machine learning, with particular emphasis on:

- (1) the need for continuous updating of the data infrastructure, and
- (2) goals, timelines, and metrics to implement the strategy.

### Briefing in Response to the Fiscal Year 2022 Assessment of the Department of Defense Mentor-Protégé Program by the Defense Business Board

The committee notes that the Defense Business Board has issued an evaluation of the effectiveness of the Department of Defense Mentor-Protégé Program established under section 831 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101-510), pursuant to a requirement in section 872 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92). The Board observed that the U.S. defense industrial base relies on the participation of diverse, dynamic, innovative small businesses to advance future warfighting capabilities for the Department. It reported that the Department's mentor-protégé program is designed to increase the capacity of these small businesses to compete for contracts they would not otherwise qualify for, by enabling larger, more experienced mentor firms to provide assistance to protégés. The report concluded that the program has succeeded in its goals of increasing the diversity of the defense

industrial base and delivering agile, innovative technologies to the warfighter; however, it made a number of recommendations for ways the program could be more impactful in improving the ability of protégés to become suppliers to the Department.

Among its recommendations, the Board noted there is no single point of contact for all the Department's small business programs, these programs are disparate and spread throughout the Department, and the Department should consider designating a specific office, with sufficient resourcing and appropriate leadership, to oversee all its small business programs. Therefore, the committee directs the Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Under Secretary of Defense for Research and Engineering and the Director of the Office of Small Business Programs, to provide a briefing to the House Committee on Armed Services by March 1, 2023, on efforts made to address this recommendation.

#### Briefing on Denials of Contracting Officer Uncertified Cost or Pricing Data Requests

According to the 2022 Department of Defense Report on the State of Competition within the Defense Industrial Base issued by the Under Secretary of Defense for Acquisition and Sustainment, "[s]ince 2011, commercial items have consistently accounted for over 88 percent of new awards (and as high as 98 percent of new awards) across [the Department of Defense]." The committee observes the vast majority of those are acquired on a competitive basis. However, the committee notes that in the case of complex defense systems of systems, the Department is at risk of becoming vendor-locked for critical sub-elements of these complex systems. In these scenarios, Department buyers have limited authority to obtain useful data from a sole source seller to fill in where price signals are missing to determine whether a price is fair and reasonable.

The committee commends the Department for the two reports it has received, produced by the Under Secretary pursuant to section 803 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-91) on denials of contractor uncertified cost or pricing data requests, and for the newly launched webpage hosting extensive training materials for commercial item discussions. The committee expects the Department to ensure robust reporting procedures on data denials are maintained across the services. The committee further requests the Department to provide its recommendation on whether future reports on data denials should be made publicly available.

The committee directs the Director of Defense Pricing and Contracting (DPC) to provide a briefing to the House Committee on Armed Services by March 1, 2023, on lessons learned from the annual data denials report, as well as efforts by the DPC to take advantage of the pilot program authorized by section 890 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232) and to engage commercial producers in an ongoing dialogue. The

briefing should also include an analysis of joint guidelines and market stimuli that a government-industry cooperative forum could collaborate in to reduce the number of data denials and achieve the efficiency gains commercial item acquisition was intended to achieve.

#### Comptroller General Review of Efforts to Modernize Test and Evaluation

The committee is aware that the Department of Defense is in the process of modernizing how it acquires new technologies and weapons while working to improve the speed with which operational capabilities are delivered to the warfighter. As part of this effort, the Department must modernize and recapitalize its test and evaluation capabilities and facilities to enable it to more quickly respond to new and emerging threats and technology opportunities, including areas such as artificial intelligence, autonomous systems, cybersecurity, and software development. The committee also understands that the Department has raised concerns regarding whether existing test and evaluation policies, programs, methodologies, instrumentation, and organizations need to be reformed or modernized to support efforts to attract non-traditional commercial technology developers and producers, and the use of new authorities for rapid prototyping and fielding based upon the adoption of the Adaptive Acquisition Framework. Aligning the Department's approach to testing with other changes in the acquisition process is likely to be a significant undertaking. The committee seeks to understand the extent of the changes needed; the timeframes, workforce, and financial resources required to modernize; and the progress toward modernization in this area to date. Therefore, the committee directs the Comptroller General of the United States to assess how the Department is modernizing its test and evaluation approach to account for the Department's T&E adaptation to new methodologies and investment to acquire necessary instrumentation, as well as adoption of the Adaptive Acquisition Framework and other changes in the acquisition environment. The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services by June 30, 2023, on the Comptroller General's preliminary findings, and to submit a report to the congressional defense committees on an agreed-upon date.

#### Comptroller General Review of Military Component Acquisition Policies

The committee appreciates the Department of Defense's efforts to improve performance and deliver capabilities faster by establishing an Adaptive Acquisition Framework (AAF) comprising six acquisition pathways, each tailored for the characteristics and risk profile of the capability being acquired. However, the committee seeks data showing how the AAF is delivering capabilities more rapidly, efficiently, and effectively. The AAF alone cannot cure the acquisition challenges that the Department faces. Successful implementation of the AAF requires the military components to more carefully consider both the types of acquisition programs that they choose to fund and the approaches they employ to oversee those

programs. The committee has frequently observed military components initiating and sustaining acquisition programs that are structured around linear rather than iterative development, and that prioritize capability development over speed of delivery, creating tension with the objectives of the AAF. Some component oversight activities have often appeared ill-suited to the stated goals and risk profiles of their acquisition programs. The committee maintains that increasing speed of acquisition should not be incompatible with timely oversight. In March 2022, the Government Accountability Office (GAO) found that several acquisition pathways do not fully implement key principles that leading companies rely on for successful product development. GAO recommended that the Department update its acquisition policies to reflect these principles, and the Department agreed. Component acquisition policies now warrant and would benefit from a similar review. The committee therefore directs the Comptroller General of the United States to assess the primary acquisition policies of the Departments of the Army, Navy, and Air Force and report on the extent to which they

(1) are suited to the stated goals and risk profiles of components' acquisition programs,

(2) are consistent with the primary goals and tenets of the AAF, and

(3) implement key principles for product development.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services by March 31, 2023, on the Comptroller General's preliminary findings and present final results in a format and timeframe agreed to at the time of the briefing.

#### Comptroller General Review of Modular Open Systems Approaches for Weapon Systems

The committee notes that designing weapons using modular open systems approaches (MOSA), which includes a modular design and standard interfaces, can offer a number of benefits. These benefits include significant cost savings or avoidance, schedule reductions and more rapid deployment of new technologies, opportunities for technology upgrades and refreshes, improved interoperability, and increased competition. While the Department of Defense has implemented MOSA on some systems over the last two decades, the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) required the use of MOSA to the maximum extent practicable for major defense acquisition programs starting after January 1, 2019. The Department has taken steps since that time to update policies and guidance, but the Government Accountability Office recently reported that challenges remain that can affect decisions to use MOSA when developing systems, such as acceptance by the relevant communities, effects on system performance, and intellectual property and cybersecurity considerations.

The committee directs the Comptroller General of the United States to provide a briefing to the House Committee on Armed Services by October 1, 2023, and submit a follow-on report by December 31, 2024, on the Department's use of

MOSA when developing weapon systems. Specifically, the Comptroller General shall examine

- (1) the extent to which the military services are using MOSA in the development of weapon systems across Adaptive Acquisition Framework pathways;
- (2) efforts by the Office of the Secretary of Defense and the military departments to support the implementation of MOSA; and
- (3) any challenges the Department faces related to implementing MOSA.

#### Contractors Wholly Owned through an Employee Stock Ownership Plan

The committee recognizes the innovative potential created by incentivizing businesses organized as private subchapter S corporations wholly owned through an employee stock ownership plan (ESOP) to provide products and services for the Department of Defense. Economic reporting data shows wholly owned ESOP companies create significant value in the economy, and that this value extends to all workers, particularly those who represent disadvantaged communities or who are the intended beneficiaries of Federal preference programs.

The committee therefore encourages the Department to make full use of the pilot program established by section 874 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81). To ensure timely implementation of the pilot and gathering of important lessons learned, the committee urges the Department to establish procedures and mechanisms to:

- (1) record details on the size status and performance of the contractor performing the onetime sole source follow-on contract; and
- (2) collect and analyze relevant data, to include sharing best practices.

The committee further urges the Department to capture the data in a one-page form that includes elements such as employee retention rate, total retirement plan value, and average per employee retirement savings. This form, which should be submitted by the ESOP with their offer and again at contract completion, should be evaluated for factors that make the company particularly resilient and agile.

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by February 1, 2023, on progress made to:

- (1) implement policies and procedures to implement the pilot;
- (2) to gather lessons learned from it; and
- (3) to consider whether other legislative changes, such as expanding the definition of non-traditional defense contractor at section 3014 of title 10, United States Code, would better incentivize wholly owned ESOPs to participate in the defense industrial base.

#### Foreign Investment Review Collaboration with Bankruptcy Courts

The committee appreciates the Department of Defense's ongoing work to protect the defense industrial base from adversarial foreign investment risks. One such risk is the potential for malign actors to acquire interests in economically

distressed companies providing goods and services to the Department. The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by March 1, 2023, on the Department's efforts to mitigate this risk. The briefing shall identify the extent to which foreign investors are monitoring U.S. Bankruptcy Court proceedings to target distressed companies, including those in U.S. businesses related to critical technologies, critical infrastructure, or sensitive personal data; assess the fidelity of the Department's visibility on bankruptcy data; describe policy options to expand opportunities and incentives for investment from United States and allied investors in the U.S. defense industrial base; and address any other related matters the Under Secretary deems appropriate. The briefing may include both classified and unclassified components.

### Foreign Investment Review Implementation Update

The committee continues to recognize the benefits of foreign investment to the U.S. economy and the need to mitigate the associated risks to U.S. national security and the defense industrial base. The committee appreciates the Department of Defense's important role as a voting member of the Committee on Foreign Investment in the United States (CFIUS). In prior legislation, the committee required the Department to report on actions taken to implement the Foreign Investment Risk Review Modernization Act of 2018 (FIRRMA). The Department and other CFIUS member agencies have now completed multiple years of activity under the expanded authorities of FIRRMA, and the committee requires updated analysis.

To enhance the committee's oversight of the Department's role in CFIUS, the committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services, not later than March 1, 2023, detailing the Department's role in, and observations of, the United States foreign investment screening processes. The briefing shall address the following:

- (1) lessons learned from the implementation of FIRRMA to date;
- (2) data regarding the transactions for which the Department is a co-lead agency, and detailed analysis of trends and patterns in such cases (for instance, trends in ultimate beneficial ownership or closing dates of covered transactions);
- (3) the Department's role in CFIUS as it relates to broader supply chain security initiatives, including those required by Executive Order 14017;
- (4) recommendations to leverage the statutory elevation of the Assistant Secretary of Defense for Industrial Base Policy to better inform intra-Department and interagency analysis of risks facing the defense industrial base; and
- (5) any other relevant impacts to the Department that the Under Secretary deems appropriate.

### Implementing 2030 Next Generation Defense Acquisition Workforce Strategic Readiness

The committee supports and urges follow-through on the Department of Defense's initiative to modernize its implementation of the Defense Acquisition Workforce Improvement Act (DAWIA), talent development, and talent management to better equip and empower the defense acquisition workforce.

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on the following:

(1) how chapter 87 of title 10, United States Code, could be modernized to streamline and provide the statutory framework and flexibilities needed to create and sustain a highly qualified defense acquisition workforce through 2040;

(2) a description of the envisioned 2030 workforce in the context of the 2022 National Defense Strategy and in terms of workforce enduring core capability required to execute the enduring acquisition mission with the agility to innovate and respond to equip the military in a dynamic threat, climate challenges, and emerging critical technologies environment;

(3) leveraging modern learning technologies and applying artificial intelligence to improve acquisition work and workforce capability;

(4) how private sector best talent management practices are used or planned for use across the talent management spectrum (to include use of modern talent management systems);

(5) progress in implementing changes recommended by the Section 809 Panel and directed in the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92);

(6) key enabling tools needed to implement strategic readiness, whether existing (e.g., Acquisition Demonstration Project and Defense Acquisition Workforce Development Account) or new; and

(7) statutory changes needed and resources necessary to implement modern talent management for the defense acquisition workforce.

The committee further directs the Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Under Secretary of Defense for Personnel and Readiness, to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on plans to implement a private sector-proven modern talent management functionality and system for Department of Defense civilians. The system would provide capabilities, in addition to human resources professionals for core human resources functions, to Department of Defense leaders, managers, and employees to support their talent management responsibilities. The system would provide employees the ability to identify interests and volunteer status for rotation/experience assignments. In addition, employees would be able to self-report accomplishments and credentials. The system would provide leaders and managers the ability to identify rotational experience opportunities and would promote modern talent management through understanding available talent across the Department and organizations.

The committee commends the Department's ongoing efforts to transform the acquisition workforce through its Back to Basics initiative to provide the skills



and on-the-job resources needed by acquisition professionals to support a more agile acquisition system. Congressionally authorized flexible acquisition pathways are intended to empower program managers and acquisition professionals to tailor strategies and accelerate acquisition to meet warfighter needs in a changing threat environment, and the acquisition workforce needs a more flexible, modern training curriculum to match. However, in reducing training and shifting to job-relevant credentials, the Department must not lose sight of the importance of ensuring the acquisition workforce maintains its core competencies.

Therefore the committee directs the Under Secretary to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on the following:

- (1) identify the critical core competencies of the acquisition workforce;
- (2) consider whether those competencies should include digital literacy and an understanding of commercial business models (as required by section 803 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328)) to include motivations and business practices of the commercial sector; and
- (3) explain how those competencies are being achieved by the Back to Basics curriculum.

Finally, the committee is encouraged that the Department has established a Defense Civilian Training Corps (DCTC) program, authorized by section 860 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92) and codified at sections 2200g-2200j of title 10, United States Code. The Department needs a systemic approach such as DCTC to increase the digital literacy of its workforce with degrees in emerging technology and a curriculum based on understanding and applying these technologies. However, the program is still operating under an initial plan and has not achieved the expansion required by the authorizing legislation.

The committee directs the Secretary of Defense, without delegation, to submit the overdue full implementation plan, expansion plan, and schedule to the House Committee on Armed Services not later than March 1, 2023. The committee further directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on efforts and progress made on the following:

- (1) meeting the statutory requirement to expand the DCTC program to at least 20 accredited civilian educational institutions with no fewer than 400 members enrolled in the program by August 1, 2023;
- (2) conducting outreach to Historically Black Colleges and Universities to stand up DCTC programs; and
- (3) collaborating with the National Security Innovation Network to build hands-on innovation projects into the DCTC curriculum.

## Labor Law Training for Acquisition Professionals

The committee observes that the National Labor Relations Act of 1935 (Public Law 74-198) states that it is “the policy of the United States [to] encourag[e] the practice and procedure of collective bargaining and [to] protect the exercise by workers of full freedom of association,” (29 U.S.C. 151). The Department of Defense has a vital interest in ensuring workers’ rights and safety. Pursuant to Executive Order 14025, the Secretary of Defense served on the White House Task Force on Worker Organizing and Empowerment, which issued recommendations to the Department and other Federal agencies on ensuring that Federal funds are spent consistent with Federal policy.

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by March 1, 2023, on progress made on task force recommendations. The briefing shall include an evaluation and analysis of the effort and resources needed to train contracting professionals on labor law requirements, the potential impact on the defense industrial base, and the process underway to update policy guidance and educate personnel to raise awareness about:

- (1) adding the posting of a notice to track compliance with contract requirements on notification of employee rights set out in the Defense Acquisition Regulation Supplement Procedures, Guidance and Information;
- (2) promulgating additional guidance to contracting professionals about how activities undertaken under Federal Acquisition Regulation (FAR) 31.205-21(b) to persuade employees to either exercise or not exercise their right to organize and bargain collectively are unallowable and therefore cannot be paid with Federal contracting funds;
- (3) providing additional guidance highlighting regulations permitting the Department to contact the Federal Mediation and Conciliation Service when actual or potential labor dispute could affect contract work;
- (4) promulgating additional guidance highlighting FAR 31.205-21(a) to contracting officials on the allowability of costs incurred in maintaining relations between contractors and their employees; and
- (5) creating a strategy for updating the guidance at least every 5 years.

### Nontraditional Defense Contractors

The committee notes that in section 857 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), Congress granted contracting professionals permissive authority to contract with nontraditional defense contractors via commercial terms and conditions, foregoing the often burdensome and subjective commercial item determination process. Congress did so in recognition that commercial firms often find the size of the defense marketplace too small to justify the trouble and expense of changing their business processes to comply with a Federal Acquisition Regulation (FAR) Part 15 type contract traditionally used for most defense purchases.

When used effectively and efficiently, this authority allows the Department of Defense to access a greater share of the innovative potential of these commercial, nontraditional firms under FAR Part 12 terms and conditions by treating the entire business unit, including what is produced and provided by these units, as commercial. The committee commends the extensive training and guidance materials recently posted to the Office of Defense Pricing and Contracting (DPC) website to empower contracting professionals to use this authority effectively, conduct the market research needed to understand the Department's standing in the relevant commercial market, and access nontraditional commercial entities. The committee notes the guidance materials educate buyers about how to use price and value based techniques over the course of the relationship with contractors to ensure price reasonableness on a contract-by-contract basis.

The committee is encouraged by efforts made by the DPC and directs the director of the DPC to provide a briefing to the House Committee on Armed Services by October 1, 2022, to give an update on:

- (1) the policy and educational tools available to contracting professionals,
- (2) efforts by the Pricing Cadre of Experts and Defense Contract Management Agency's Commercial Item Group to ensure enterprise-wide implementation of that guidance,
- (3) concerns related to challenges contracting professionals face in obtaining data sufficient to determine price reasonableness, and
- (4) direct evidence to show the guidance has led to increased use of commercial procedures and an expansion of the defense industrial base.

#### Procurement Technical Assistance Program

The committee is aware of and supports plans by the Office of Small Business Programs (OSBP) to utilize the Procurement Technical Assistance Program (PTAP) and its Procurement Technical Assistance Centers (PTACs) in new and innovative ways following the PTAP move from the Defense Logistics Agency (DLA) to the office of the Under Secretary of Defense for Acquisition and Sustainment, pursuant to section 852 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92).

The committee supports PTACs and the critical assistance they provide to businesses interested in government contracting to enhance the defense industrial base. The committee further supports enabling the Department of Defense's small business professionals to leverage PTACs to conduct targeted market research and assistance efforts to support specific acquisitions pursuant to the action plan developed in response to Executive Order 14017, America's Supply Chains.

The committee is encouraged that the voluntary association of PTACs has played a critical role and should be used as a primary source of training for the PTACs. Therefore, the committee directs the OSBP to consider awarding contracts on a multiyear basis rather than an annual negotiated basis to allow more time for PTACs to train and serve their clients. The committee further supports the creation

of PTAP level goals and encourages use of performance-based metrics rather than the current task-based metrics, such as counseling hours. The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services not later than February 1, 2023, on implementation of the transition from DLA and ways that OSBP is using the PTAP in new and innovative ways.

### Report on Collective Bargaining Agreements Recommendation

The committee notes that the Secretary of Defense served on the White House Task Force on Worker Organizing and Empowerment pursuant to Executive Order 14025. The committee is aware that the task force has recommended the Federal Acquisition Regulatory Council consider amending its regulations to require Federal contractors that are notified by the National Labor Relations Board that their employees who work on a Federal contract have been certified as represented by a union to notify the contracting agency within 48 hours with a copy to the union. These revised regulations would also urge all Federal contractors to engage the Federal Mediation and Conciliation Service to help mediate negotiations to reach a first collective bargaining agreement with newly certified unions.

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by July 1, 2023, with an evaluation of the process required and the impact to the operational mission, including to the industrial base, of adopting the recommended policies to help contractors or subcontractors whose employees have formed a union to reach first collective bargaining agreements.

### Software-First Approach to Counter Rapidly Evolving Technological Threats

The committee recognizes that software-defined advanced technologies, such as autonomy, artificial intelligence (AI), and machine learning, are increasingly essential to the way the United States and our adversaries are delivering and employing effects on the battlefield. Software-defined technologies enable the rapid integration of new components, sensors, and effectors into a family of systems that are necessary to keep pace with rapidly evolving technologies and threats confronting U.S. and allied forces. To take full advantage of advanced technologies and accelerate the continuous delivery of modern defense capabilities, the committee believes the Department of Defense should utilize software-first acquisition strategies that prioritize using industry partners with leading software expertise to serve as a mission integration partner, particularly for capabilities that require the integration of third-party sensors and effectors deployed across domains.

The committee is encouraged by U.S. Special Operations Command's recent utilization of this approach for its Counter Unmanned Systems Systems Integration Partner (SIP) program. The program's software-first acquisition model requires the SIP to continuously adapt and integrate best-in-class sensors and effectors produced

by many vendors to defeat evolving unmanned threats. Such an approach not only avoids technological obsolescence but also vendor lock. The committee is also aware that the Joint Counter-Small Unmanned Aircraft Systems Office (JCO) is reviewing the SIP approach.

The committee encourages the JCO and military services' acquisition executives to utilize existing authorities to apply the software-first approach as appropriate and directs the Director of the JCO to submit a report to the House Committee on Armed Services by February 15, 2023, to provide the JCO's evaluation of the integration partner Counter UAS as a service approach in its evaluation of systems for procurement by the military services. The report should include how the JCO utilizes its testing, evaluation, assessments, and related events to update the interim list of approved systems, how the JCO is incorporating the outcomes of these events into the guidance that it issues, and how the military services are incorporating the guidance into the development of requirements and procurement of capabilities against that list.

### Technology Ties and Competitiveness

The committee is aware of concerns that the Chinese Communist Party may be using trade measures to gain access to, and potentially control over, technology and capabilities that play important roles in United States national defense. Recent legislation has underscored the need to promote robust investment in the United States, but to balance that industrial base policy with national security imperatives. The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by April 1, 2023, reflecting an assessment of dual-use technology ties between the United States and China. The briefing shall identify any actors, ties, and trends of particular concern and assess whether, and if so, in what ways, technology trade and two-way investment are strengthening Chinese capabilities in areas that may undermine the competitiveness of the United States and allied defense industrial base. The briefing shall also address the Department of Defense's equities in the United States' export controls regime, and how the Department's approach to these issues aligns with the objectives of the National Defense Strategy.

## TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

### ITEMS OF SPECIAL INTEREST

#### Briefing on the Establishment of a Center for Excellence in Civilian Harm

The committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by December 30, 2022, and an interim briefing

by August 1, 2022, on efforts to establish the Center for Excellence in Civilian Harm.

### Comptroller General Report on Civilian Harm

The committee directs the Comptroller General of the United States to conduct a review of the Department of Defense processes for identifying and implementing recommendations relating to the protection of civilians and efforts to prevent, mitigate, investigate, and respond to civilian harm in military operations. The review shall evaluate to what extent has the Department established processes to identify and evaluate studies on the protection of civilians and efforts to prevent, mitigate, investigate, and respond to civilian harm in United States military operations, including:

- (1) internally directed Department of Defense studies;
- (2) studies sponsored or commissioned by the Government of the United States; lessons learned and after-action reports from the geographic combatant commands; and
- (3) studies by non-governmental organizations.

The review shall also evaluate to what extent has the Department established plans and processes to assess and, where appropriate, implement and standardize relevant recommendations from internal and external studies on the protection of civilians, including:

- (1) the 2013 Joint and Coalition Operational Analysis on “Reducing and Mitigating Civilian Casualties”;
- (2) the 2018 Civilian Casualty Review directed by the Chairman of the Joint Chiefs of Staff; the 2022 RAND assessment of “U.S. Department of Defense Civilian Casualty Policies and Procedures”; and
- (3) other studies and recommendations as the Comptroller General determines appropriate.

The committee further directs the Comptroller General to submit a report to the congressional defense committees by September 30, 2023, on the findings of the Comptroller General's review.

### Wargaming in Support of Policy and Program Analysis and Decision Making

The committee is aware that the Department of Defense recognizes the need to ensure that the assumptions and analytical methodologies underpinning important capability, capacity, and force planning decisions are rigorous and that it has established an Analysis Working Group (AWG) to facilitate strategic analysis and wargaming. Although encouraged by the AWG's establishment of principles and standards governing strategic analysis, the committee seeks to better understand how the Department is enforcing the AWG's direction that analysis intended to inform strategic and programmatic decisions must be transparent, robust, and well-designed.

Therefore, the committee directs the Secretary of Defense to submit a report to the House Committee on Armed Services not later than April 28, 2023, that details the following:

(1) the actions the Department has taken to ensure that analyses informing strategic and programmatic decisions are meeting established quality principles;

(2) how the Department is ensuring the accuracy and integrity of data used in the design and conduct of analytical tools including wargames, modeling and simulation, exercises, and other experiments;

(3) the actions the Department has taken to oversee or to manage the quality of analyses generated by the military services, the combatant commands, and other defense organizations, to ensure that quality principles are applied uniformly across the Department; and

(4) the extent to which the Department has modified its efforts to ensure analytical quality.

The above review shall not pertain to wargaming that is conducted exclusively for training or educational purposes.

The committee further directs the Comptroller General of the United States to assess the Secretary of Defense's report and provide a briefing on preliminary findings to the House Committee on Armed Services not later than 60 days after the submission of the Department's report.

## TITLE X—GENERAL PROVISIONS

### ITEMS OF SPECIAL INTEREST

#### COUNTERDRUG ACTIVITIES

##### Report on Strategic Competitors and Trafficking of Illicit Oil, Rare Earth Minerals, and Narcotics in Africa and Latin America

The committee is concerned by illicit trafficking of oil, rare earth minerals, and narcotics that contribute to instability in Latin America and Africa. The committee is also aware of potential Chinese and Russian state involvement in these activities. Therefore, the committee directs the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives by January 23, 2023, on illicit oil, rare earth minerals, and narcotics trafficking in U.S. Africa Command and U.S. Southern Command areas of responsibility. The report shall include a summary of the resources and authorities used to disrupt and curtail such activity, integration and deconfliction of effort within combatant command campaign plans, efforts by the Department of Defense to work with U.S. Government agencies and foreign partners on such issues, and the extent and nature of Chinese and Russian state involvement in such activity.

#### OTHER MATTERS

## Report on Department of Defense Bases and Training Centers Able to Support Joint All-Domain Operations Training in Arctic Conditions

The committee recognizes the continued strategic importance of the Arctic region to the national interests of the United States. The committee further recognizes that several of the military services and the Department have published strategies that highlight the importance of having forces and equipment that are prepared, capable, and trained to operate in the extreme weather environments of the Arctic. The committee notes that in order to support these strategies the Department must identify all training facilities and ranges within the Active Component and the National Guard that can support Joint All-Domain Operations (JADO) training in weather environments similar to that of the Arctic.

Therefore, the committee directs the Under Secretary of Defense for Policy, in coordination with the Chief of the National Guard Bureau, to submit a report to the House Committee on Armed Services by December 23, 2022, that identifies existing training facilities and ranges within the Active Component and the National Guard located in and outside the continental United States that can support JADO training. At a minimum, the report shall include:

- (1) a list of JADO capable facilities and ranges that can replicate the extreme weather environment of the Arctic within and outside the continental United States belonging to the National Guard and the Active Component;
- (2) training capabilities and opportunities available at each of these locations;
- (3) a comparison of the transportation logistics to deploy units, personnel, and equipment to Arctic training capable JADO locations within the continental United States versus those outside the continental United States;
- (4) ways in which the Department and the National Guard Bureau can leverage more efficient utilization of these facilities; and
- (5) any other matters the Under Secretary of Defense for Policy and the Chief of the National Guard Bureau determines to be relevant.

## Report on Wagner Group Activities and Effects in Africa

The committee is aware that the Wagner Group is a Russian state-linked proxy organization operating with the consent, control, or direction of Russian political leadership. The committee understands that the Wagner Group enjoys the active support of the Russian Ministry of Defence, including but not limited to transportation, supply, and communications. The committee understands that Wagner Group forces are active in multiple countries in Africa, including the Central African Republic, Libya, Madagascar, Mali, Mozambique, and Sudan. The committee is aware of allegations of intentional spreading of disinformation, targeting of civilians, mass summary executions, and the denial of human rights across Africa by Wagner Group members. The committee is concerned that the conduct, structure, and questionable security operations performance of the Wagner



Group in Africa worsens the security environment in already fragile African states and regions.

Therefore, the committee directs the Secretary of Defense to submit a report to the House Committee on Armed Services by December 31, 2022, on the status of Wagner Group activities in Africa, including the location and nature of Wagner Group deployments across Africa, the composition of Wagner Group deployments in each African country where it operates, assessments regarding the veracity of allegations of human rights violations and atrocities by Wagner Group elements in Africa, and assessments of the development of the security environment in African countries following Wagner Group deployments. This report should be unclassified without any markings related to dissemination control but may contain a classified annex.

### Security Cooperation in Mozambique

The committee notes Mozambique's inclusion as a Global Fragility Act country, mandating the development of multiyear strategies to prevent conflict and promote security, stability, and peace. The committee is interested in ensuring that security cooperation provided to Mozambique has aligned with such strategies and respect for the law of armed conflict, human rights and fundamental freedoms, the rule of law, and civilian control of the military.

Therefore, the committee directs the Secretary of Defense to submit a report to the House Committee on Armed Services by December 31, 2022, including a list of security cooperation programs with the Government of Mozambique in the past 5 years to include the amount, type, and purpose of support provided. This report should also include information on efforts to ensure that security cooperation with Mozambique is provided in accordance with existing statute regarding the observance of and respect for the law of armed conflict, human rights and fundamental freedoms, the rule of law, and civilian control of the military; an assessment of the capacity of the Armed Forces of Mozambique to effectively implement, benefit from, or use such assistance; a description of all monitoring and evaluation efforts on such cooperation and their findings; and an assessment of the impact of such security cooperation on the security and stability of Mozambique and the degradation of the Islamic State of Iraq and Syria-Mozambique.

## TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

### ITEMS OF SPECIAL INTEREST

#### Briefing on Logistical Support Provided in Support of Ukraine and U.S. European Command

The committee recognizes the unprecedented logistical support the Department of Defense has provided in support of Ukraine and North Atlantic

Treaty Organization (NATO) allies. This support has been critical to counter Russian aggression against Ukraine and will continue to have a major impact on future operations for the U.S. European Command (USEUCOM). Therefore, the committee directs the Secretary of Defense, in coordination with the Director, Defense Logistics Agency, the Commander, U.S. Transportation Command, the General Manager, Theater Logistics Support Center-Europe, and the Director, Defense Security Cooperation Agency, to provide a briefing to the House Committee on Armed Services, not later than January 1, 2023, on logistical lessons learned and major logistical challenges in response to the crisis in Ukraine. The briefing should include assessments of:

(1) the state of prepositioned supplies, equipment, and weapons prior to the crisis, the impact of crisis response on those supplies, equipment, and weapons, and their current status;

(2) logistical and transportation challenges within the USEUCOM area of operations that impacted or continue to impact crisis response, and logistical lessons learned regarding those challenges that can be applied to future operations in Europe or other theaters;

(3) service-level gaps regarding prepositioned supplies, equipment, and weapons or other service-level logistical challenges;

(4) changes in the posture of the Defense Logistics Agency, Theater Sustainment Command, or U.S. Transportation Command that would be needed in order to accommodate a sustained increase in U.S. force presence in the European theater; and

(5) a strategy to implement lessons learned from the U.S. response to the Ukraine crisis and address logistical and transportation challenges should the theater become increasingly contested.

#### Cybersecurity Capacity-Building with NATO Allies and Partners

The committee supports the Defense Security Cooperation Agency's (DSCA's) contributions to building partner capacity and capability through advising, education, and professional development programs and, in particular, the role of the Defense Security Cooperation University and its Institute for Security Governance (ISG) in supporting this mission. The committee also notes the importance of ISG's efforts in building capable cybersecurity institutions to strengthen cyber defense expertise for allies and partners in their collective response to counter aggression in the cyber domain. The committee encourages the ISG to continue to explore opportunities to fortify its security cooperation curriculum to incorporate best practices in addressing cyber defense, shaping international norms and values in cyberspace, and enhancing the ability of allied and partner forces to respond effectively to threats in the cyber domain.

The committee notes that foreign strategic competitors pose increasing challenges in the cyber domain and operate in the gray zone of warfare, relying on cyber capabilities to intimidate and harass their neighbors while seeking to avoid

attribution. Therefore, the committee directs the Director of DSCA to provide a briefing to the House Committee on Armed Services by March 1, 2023, on DSCA's programs to build cybersecurity capacity and strengthen cybersecurity institutions for North Atlantic Treaty Organization allies and partners in the face of Russian aggression. The briefing shall include:

- (1) current DSCA cybersecurity initiatives in security cooperation;
- (2) opportunities to expand cybersecurity programs and build capacity in cyberspace security and defensive cyberspace operations;
- (3) ISG's initiatives in institutional capacity-building for cybersecurity; and
- (4) current initiatives and/or plans to integrate subject matter experts within the Resident Advisory Program to leverage ISG capabilities for in-country cybersecurity programs.

#### Institutional Capacity-Building in Support of Certain Security Cooperation Strategies

The committee directs the Director, Defense Security Cooperation Agency, in consultation with the Secretary of State, to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on institutional capacity-building in support of each security cooperation strategy for U.S. European Command, U.S. Indo-Pacific Command, U.S. Central Command, U.S. Africa Command, U.S. Southern Command, and U.S. Northern Command. Such briefing shall include each of the following elements:

- (1) the manner in which assessments of relevant security sector institutions, political will, and absorptive capacity inform security cooperation plans and capability development investment decisions, to include security assistance, within each such combatant command;
- (2) the extent to which country security cooperation plans with high-priority allies and foreign partners seek to build institutional capacity at higher echelons, to enable and encourage civilian oversight, governance, and management of security forces; responsible use of force decisions consistent with the law of armed conflict, respect for human rights and fundamental freedoms, and the rule of law; and development of effective, transparent, and accountable defense institutions;
- (3) a discussion of the manner in which the development, planning, and implementation of institutional capacity-building programs are integrated with security assistance and other assistance authorities of the Department of State and other civilian agencies;
- (4) the resource projections for the operational, personnel, and programmatic costs across the Department of Defense necessary to achieve the security cooperation objectives by each such combatant command;
- (5) identification of common challenges across such combatant commands and proposals to address them; and
- (6) any other matter the Director determines relevant.

## Report on Monitoring and Evaluation of Security Cooperation in the Sahel and West Africa

The committee notes that security cooperation monitoring and evaluation in Africa is important for determining progress and achieving policy outcomes and that the Department of Defense Instruction on Monitoring and Evaluation requires regular assessments of security cooperation efforts, including in the Sahel and West Africa.

The committee directs the Secretary of Defense to submit a report to the House Committee on Armed Services by December 31, 2022, on monitoring and evaluation of security cooperation programs in the Sahel and West Africa since January 1, 2018. The report should include the following:

- (1) an assessment of the contribution of security cooperation activities to progress made on United States defense objectives such as counterterrorism, support to partner governments, and basic security in the Sahel and West Africa;
- (2) a description of security cooperation activities undertaken by the Department to realize such objectives;
- (3) a description of the nature of monitoring and evaluation of Department security cooperation programs and assistance during that time;
- (4) an assessment of the capacity of the Department to conduct monitoring and evaluation of all security cooperation programs and assistance provided to countries in the Sahel and West Africa;
- (5) an identification of which security cooperation programs have and have not been subject to monitoring and evaluation regimes, including explanations as to why monitoring and evaluation may not have occurred; and
- (6) any action taken to limit or cancel security cooperation activities as a result of such monitoring and evaluation.

This report should be unclassified without any markings related to dissemination control but may contain a classified annex.

## Report on Sharing Information on Explosive Remnants of War in Afghanistan

The committee recognizes the dangers caused by explosive remnants of war (ERW) to the people of Afghanistan from munitions which failed to detonate that were employed by the United States and North Atlantic Treaty Organization (NATO) during the 2001-2021 military mission in Afghanistan. ERWs are not only dangerous to civilians but are disruptive to communities, impeding the productive use and development of affected areas.

Therefore, the committee directs the Secretary of Defense to submit a report to the House Committee on Armed Services by December 23, 2022, that addresses how strike and combatant engagement data archived by U.S. and NATO forces can be shared, when requested, to support safe and efficient ERW clearance operations. At a minimum, the report shall include:

- (1) whether the Department kept location data on U.S. and NATO air strikes as well as ground combat engagements during the 2001-2021 military mission in Afghanistan;
- (2) how and to whom would the Department provide this information;
- (3) how would this information be requested;
- (4) has this information been requested; and
- (5) any other matters the Secretary of Defense determines to be relevant.

### Strategies for Non-NATO Partners in Europe

The committee notes the increased risk that confronts European partners who are not North Atlantic Treaty Organization (NATO) treaty allies following the invasion of Ukraine, and the likelihood of increased Russian pressure against their territorial interests, institutions, and ability to make sovereign decisions. As the United States continues to assist Ukraine and reinforce NATO, it must also develop calibrated strategies to assist European partners as they confront these challenges. The United States maintains ongoing security relationships with partners such as Georgia, Finland, Sweden, and Moldova, but those efforts should be assessed to ensure they are adapted to the new security environment. Therefore, the committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than March 1, 2023, outlining updates to its strategies to address national security challenges with European partners that are not U.S. treaty allies on the Russian periphery or eastern periphery of NATO, in light of the current threat environment. The report should include any steps that are being taken to address security challenges during the period of Finland's and Sweden's application and accession process for membership in NATO.

At a minimum, this report shall include a strategy and resourcing plan for acceleration of the training and modernization program outlined in the roadmap for the Georgia Defense and Deterrence Enhancement Initiative.

### Strategy and Resourcing Plan to Enhance U.S. and Allied Posture in Eastern Europe

The committee notes the acute need to adapt U.S. and allied force posture in Europe so that it is aligned with the fundamental changes to the security environment caused by the Russian invasion of Ukraine. Given the new security environment, a strategy that aims to revert U.S. force levels and posture to their status pre-invasion or transition U.S. planning away from investments in Europe, except for exceptional circumstances, is untenable. The committee also recognizes the role that decisions made at the June 2022 North Atlantic Treaty Organization (NATO) summit may play in planning.

Therefore, the committee directs the Secretary of Defense to submit a comprehensive strategy and resourcing plan to the congressional defense committees not later than March 22, 2023, to enhance U.S. posture on the eastern

flank of Europe, including the establishment of permanent U.S. force presence and continuous end-to-end rotational deployments. In addition to the components described above, the strategy shall include the following:

- (1) a reassessment of U.S. plans to contribute to NATO Air Policing, Extended Forward Presence (eFP), Tailored Forward Presence (tFP), and other NATO battle groups;
- (2) an assessment of the remaining components of Deterrence Package 2, including for each component of Deterrence Package 2, a justification for why or why not each has or has not been deployed yet, the value each component would have for deterrence in Europe, and a timeline for the deployment of each component;
- (3) the current state of the Department of Defense Black Sea Strategy required in the committee report accompanying the National Defense Authorization Act for Fiscal Year 2020 (H. Rept. 116-120);
- (4) the current state of the Report on United States Military Force Posture in Southeastern Europe that was required by section 1246 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283);
- (5) the current state of the Baltic Defense Assessment required by section 1246 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92); and
- (6) the current state of the report on Sustaining Deterrence in Europe that was required in the committee report accompanying the National Defense Authorization Act for Fiscal Year 2022 (H. Rept. 117-118).

The committee also directs the Secretary of Defense to submit an addendum to the strategy to the congressional defense committees not later than June 22, 2023, that includes the following:

- (1) an update to the Department of Defense Black Sea Strategy required in H. Rept. 116-120;
- (2) an update to the Report on United States Military Force Posture in Southeastern Europe that was required by section 1246 of Public Law 116-283;
- (3) an update to the Baltic Defense Assessment required by section 1246 of Public Law 116-92; and
- (4) an update to the report on Sustaining Deterrence in Europe that was required in H. Rept. 117-118.

The committee also directs the Secretary of Defense to provide an interim briefing to the House Committee on Armed Services not later than August 15, 2022, on potential options for inclusion in such a strategy; methodology for assessing options, treaty implications of various options, and framework for completing the required updates.

## TITLE XIII—OTHER MATTERS RELATING TO FOREIGN NATIONS

### ITEMS OF SPECIAL INTEREST

## Allies' and Partners' Telecommunications Networks in South America

The committee recognizes the importance of telecommunications networks, and particularly the introduction of fifth-generation (5G) technologies to telecommunications networks. These will continue to play a vital role in national security. The committee also recognizes that foreign strategic competitors have the potential to exploit communications technology through subversion or technological espionage and trade-secret theft. The committee believes that the United States should use its defense, military, and intelligence apparatus and economy of scale to encourage and incentivize allies and partners in key regions to adopt secure communications and follow best practices to defend against malign influence, including disinformation and misinformation from strategic competitors such as China and Russia.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on the national security implications related to the introduction of 5G communications networks within allied and partner nations in South America. The briefing shall include:

- (1) the current state of Chinese and Russian penetration of and malign influence in 5G communications networks in South America;
- (2) challenges or barriers to South American allies and partners developing an understanding of standards, military use cases, and risks that certain providers pose to their systems;
- (3) existing Department of Defense cooperation with South American allies and partners to address national security concerns related to 5G communications networks;
- (4) risks to Department of Defense operations and activities related to allies' and partners' 5G communications networks; and
- (5) opportunities to apply lessons learned from allies and partners undertaking similar efforts in Europe.

## Basing and Overflight for Indo-Pacific Contingencies

The committee recognizes that basing and overflight agreements are essential to United States military operations and cooperation with allies and partners. Therefore, the committee directs the Secretary of Defense, in consultation with the Secretary of State, to provide a briefing to the House Committee on Armed Services not later than June 1, 2023, on the manner in which allied and partner countries in the Indo-Pacific could most effectively contribute to the operational and contingency plans of the Department of Defense. Such briefing shall include:

- (1) a description of the manner in which specific allied and partner countries in the Indo-Pacific area of operations could most effectively contribute to the execution of the operational and contingency plans of the Department of Defense, including through access, forward and expeditionary basing, logistics, and overflight, as well as the peacetime forward posture of the Department;

- (2) an assessment of additional resources for military construction, leasing, overflight, or access agreements required to facilitate the activities described in paragraph (1);
- (3) a plan and associated timeline to achieve the steps outlined in paragraph (2);
- (4) additional logistical requirements or considerations associated with the requirements of paragraphs (1), (2), and (3); and
- (5) any other matters the Secretary of Defense considers appropriate.

### China-Russia Defense Cooperation

The committee acknowledges the comprehensive reports requested from the Secretary of Defense on military and security developments involving the Russian Federation in section 1234 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283), specifically Russia's information warfare strategy and capabilities, including the use of misinformation, disinformation, and propaganda in social and traditional media, and section 1235 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81), on Russian influence operations targeting U.S. military alliances and partnerships. The committee also acknowledges the reports on China's military and security developments and China's influence operations targeting U.S. military alliances and partnerships from sections 1244 and 1245, respectively, of Public Law 117-81.

Therefore, the committee directs the Secretary of Defense, in coordination with the Director of National Intelligence, to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on the results of such reports. The briefing shall include

- (1) the extent to which Russia and China coordinate their foreign and defense policies;
  - (2) China lessons learned from Russia regarding disinformation campaigns;
- and
- (3) the extent to which China and Russia are or are not colluding to conduct influence operations.

### Defense Security Cooperation University Structure

The committee supports the progress that the Defense Security Cooperation Agency (DSCA) has made to date in advancing the security cooperation reforms mandated by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). The committee supports DSCA's purpose in establishing the structure of the Defense Security Cooperation University to achieve its objectives, which include management and implementation of the Security Cooperation Workforce Development Program, institutional capacity-building programs, and international military training and education security cooperation programs; performance of executive agency responsibilities for the regional centers of security studies; and elevating the profession of security cooperation by serving as an



intellectual home for critical inquiry, research, knowledge, and learning; and operation of schools or institutes deemed necessary for the execution of the university mission. Therefore, the committee directs the Under Secretary of Defense for Policy to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on the Defense Security Cooperation University. Such briefing shall include the current status of the university, the progress made and challenges it faces in achieving its goals, recommendations to advance the goals of the university in accordance with the reforms mandated by Public Law 114-328, and any other matters the Under Secretary considers relevant.

### Interoperability between the People's Liberation Army and Armed Forces of Russia

The committee recognizes the “Annual Report to Congress on Military and Security Developments Involving the People’s Republic of China,” as directed by section 1202 of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106-65), as the Department of Defense's authoritative report on defense and security issues related to China. The committee further recognizes the annual report’s value in enhancing Congress’s understanding of broad developments in the military relationship between China and Russia. At the same time, the committee believes it is important for Congress to have a detailed understanding of the current degree of interoperability at the tactical and operational level, as well as the barriers to such interoperability, between the People’s Liberation Army and the armed forces of Russia, which the annual report did not address in detail. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than June 1, 2023, on interoperability between the People’s Liberation Army and the armed forces of Russia. The briefing shall include the following:

- (1) an evaluation of existing interoperability across command-and-control systems; space- and cyber-based systems; intelligence, surveillance, and reconnaissance platforms; early warning systems; air and missile defense platforms and systems; and information warfare systems;
- (2) an identification of obstacles to greater interoperability, including systematic limitations, such as those concerning automated command systems technology;
- (3) an evaluation of how regional security forums and organizations, such as the Shanghai Cooperative Organization, enable greater interoperability;
- (4) an assessment of how Russia's invasion of Ukraine could impact interoperability; and
- (5) an assessment of current or future contingency operational planning between China and Russia, and how existing or planned interoperability will impact the ability to execute such plans.

### Republic of Korea Mutual Defense Treaty

The committee acknowledges that the bond between the United States and the Republic of Korea is founded in shared sacrifice and serves as a linchpin for peace and security in the Indo-Pacific region. The committee also recognizes that this coming year marks the 70th anniversary of the Mutual Defense Treaty, which has served as the bedrock of the United States-Republic of Korea Alliance. With growing regional challenges, including threats to the rules-based international order, the Republic of Korea and the United States are unified in common determination to deepen and broaden defense ties amidst a changing security environment.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on how the Department of Defense continues to strengthen its long-term commitment to the defense of the Republic of Korea and the combined defense posture under the United States-Republic of Korea Mutual Defense Treaty in the future. The briefing shall include:

- (1) the scope and scale of combined military exercises and training on and around the Korean Peninsula considering the evolving threat in the region;
- (2) efforts to enhance security measures and identify new or additional steps to reinforce deterrence in the face of destabilizing activities by the Democratic People's Republic of Korea; and
- (3) efforts to counter threats to the security of the Republic of Korea by Russia and the People's Republic of China.

#### Strategic Competitor Wargames and Tabletop Exercises

The committee notes that wargaming and tabletop exercises are essential tools for military commanders across the tactical, operational, and strategic levels of warfare. Such exercises also help leaders and policymakers better understand the range of possible warfighting futures, innovate and express new ideas, challenge current assumptions, and integrate technologies and capabilities into operations and force structure. The committee supports the use of recurring wargaming and tabletop exercises across the U.S. Government to test the military, diplomatic, and economic response, as well as the domestic resiliency, of the United States in the event of conflict involving a strategic competitor. Such exercises that include Members of Congress and involve all relevant senior leaders from across the interagency, as well as, if appropriate, the private sector and international partners, would help ensure that policymakers have a comprehensive view of the administration's approach to potential conflict across all areas of national power against strategic competitors, particularly the People's Republic of China. The committee encourages the Department of Defense to maximize interagency participation in such exercises in order to examine how all levers of national power could be used in such scenarios to achieve unity of effort across the U.S. Government.

Further, the committee supports the Department's use of wargames and tabletop exercises to inform planning in the U.S. Indo-Pacific Command area of operations, specifically with respect to a scenario involving a conflict with China related to Taiwan. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 15, 2023, on wargames and tabletop exercises conducted related to Taiwan, or with respect to other scenarios involving strategic competition with China in the U.S. Indo-Pacific Command area of operations. Such briefing shall include the parameters of the wargames or exercises, conclusions, and how the conclusions informed the Department's force posture and resourcing and logistics planning at the strategic and operational levels relative to the U.S. Indo-Pacific Command area of operations. Such briefing shall also include the feasibility and advisability of including interagency partners in such exercises in order to develop an integrated, whole-of-government approach to preserving Taiwan's security.

#### Taiwan Air and Missile Defense Capabilities

The committee supports Taiwan's acquisition of defense articles and services necessary for Taiwan to maintain a sufficient self-defense capability as set forth in the Taiwan Relations Act (Public Law 96-8), with an emphasis on capabilities that support the asymmetric defense strategy of Taiwan, including, among others, air defense capabilities. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2023, on Taiwan's air and missile defense capabilities. Such briefing shall include:

- (1) Taiwan's assessed defensive capability and capacity against the People's Liberation Army's air and missile threats;
- (2) the status of efforts to improve Taiwan's air defense capabilities;
- (3) the status of the interoperability between U.S. and Taiwan air defense systems; and
- (4) recommendations on how best to support Taiwan's expeditious acquisition of air defense capabilities.

## TITLE XV—CYBER AND INFORMATION OPERATIONS MATTERS

### ITEMS OF SPECIAL INTEREST

#### 21st Century Integrated Digital Experience Act Compliance and Digital Modernization

Since the appointment of the Defense Media Activity (DMA) as the lead agency for the consolidation of the Department of Defense's public website management, the committee has observed positive developments in the drive toward compliance with the 21st Century Integrated Digital Experience Act (Public

Law 115-336). The committee continues to support the compliance and modernization effort, now titled "Web Enterprise Business" (WEB), and recommends an increase of \$5.0 million in Operation and Maintenance, Defense-Wide, Defense Media Activity for acceleration of the consolidation initiative and maintenance of all Department component public website management within a central program. DMA should coordinate with the Office of the Assistant to the Secretary of Defense for Public Affairs, Defense Information Systems Agency, and Department of Defense Chief Information Officer to ensure that WEB can quickly scale to the challenge of full compliance.

The committee directs the Assistant to the Secretary of Defense for Public Affairs, in coordination with the Department of Defense Chief Information Officer, to provide a briefing to the House Committee on Armed Services not later than April 1, 2023, on the progress of WEB.

## TITLE XVI—SPACE ACTIVITIES, STRATEGIC PROGRAMS, AND INTELLIGENCE MATTERS

### ITEMS OF SPECIAL INTEREST

#### SPACE ACTIVITIES

##### Commercial Geostationary Satellite Loan Program

The committee notes the continued need for low-latency, high-quality overhead imagery to support global combatant commander requirements for persistent coverage across areas of responsibility. The committee further notes various Federal loan programs that could be used to support industry, particularly small businesses, in developing and placing on-orbit sensors in various orbits that could further improve overhead imagery capability and capacity. Therefore, the committee directs the Director of the National Geospatial-Intelligence Agency (NGA), in consultation with the Department of the Treasury, to submit a report to the House Committee on Armed Services not later than December 31, 2022, on how available Federal loan programs could be used to support NGA in filling latency and quality gaps in current overhead imagery procured to support combatant commander requirements.

##### Domestic Sourcing of Space System and Ground Components

The committee notes the continuously expanding space industry, both for commercial, civil, and national security purposes. The committee further notes that procuring American-made services, equipment, and products whenever and wherever possible to ensure a strong national industrial base should remain a focus of the Department of Defense, particularly with regard to space systems. The committee understands that the Under Secretary of Defense for Acquisition and

Sustainment has suggested reforms to Department contracting and acquisition, particularly with regard to establishing the long-term space infrastructure needed to ensure U.S. dominance in space. The committee is aware that for certain components, due to cost, capacity, and capability factors, allied manufactured components, services, and systems are often procured over U.S. options.

Therefore, the committee directs the Under Secretary of Defense for Acquisition and Sustainment's Director for Industrial Base Analysis and Sustainment, in coordination with the Assistant Secretary of the Air Force for Space Acquisition and Integration, to conduct an analysis of U.S. industry's ability to support the growing space industry requirements, including both capacity and capability, for current and planned Department of Defense National Security Space programs. The analysis should focus on two areas: satellite ground control services; and space-qualified solar cells, cell-interconnect-coverglass (CIC) assemblies, solar panels, and solar arrays. The committee further directs the Director to provide a briefing to the House Committee on Armed Services not later than January 15, 2023, on the results of this analysis.

### Use of Commercial Space Networks

The committee is aware of and supports U.S. Space Force efforts to leverage interconnected commercial space networks for future military communications. The committee believes that aggressive economic and military actions taken by our strategic competitors in space are accelerating the urgency of shifting the U.S. military space architecture to be more resilient and disaggregated. Therefore, the committee believes the Space Force should continue to leverage commercial space networks to the maximum extent possible by working with industry to develop interoperability standards; promoting greater military use of commercial ground and cloud architectures; accelerating use of “new space” (as well as traditional) commercial communications systems; adopting agile contracting mechanisms to match the speed of the “new space” industry; rapidly acquiring interoperable user equipment; and employing these systems in ongoing wargames and exercises. The committee directs the Assistant Secretary of the Air Force for Space Acquisition and Integration, in coordination with the Commander of Space Systems Command, to provide a briefing to the House Committee on Armed Services not later than January 15, 2023, that includes an update on specific policy, plans, and steps the United States Space Force has taken and intends to take to shift its architecture in a manner that fully promotes and embraces the current and planned commercial space network.

## NUCLEAR FORCES

### Strategic Arms Control Strategy

The committee notes that the fact sheet for the Department of Defense's 2022 Nuclear Posture Review emphasizes the importance of "reestablishing our

leadership in arms control." The fact sheet goes on to say "We will continue to emphasize strategic stability, seek to avoid costly arms races, and facilitate risk reduction and arms control arrangements where possible." Despite this commitment, the committee understands that there has been little progress in advancing strategic stability dialogue or arms control with either Russia or China, in large part because of Russia's unprovoked and illegal aggression against Ukraine.

The committee continues to recognize the importance of arms control, not as an end in itself, but as a way of contributing to United States national security by managing competition and restraining the development of competitors' capabilities. However, the committee lacks the necessary understanding of the arms control strategy of the Department of Defense, in particular how the Department plans to advance strategic arms control after New START (Strategic Arms Reduction Treaty) expires in 2026.

Therefore, the committee directs the Secretary of Defense, in coordination with the Secretary of State and the Administrator of the National Nuclear Security Administration, to provide a briefing to the House Committee on Armed Services not later than January 31, 2023, on its strategy for strategic arms control. The briefing shall include:

- (1) a description of United States strategic arms control objectives with Russia and China;
- (2) the implications for the Department of Defense if there is not an arms control agreement with Russia in place when New START expires;
- (3) the administration's planned approach for enhancing strategic stability and arms control with Russia and China; and
- (4) how new and emerging technologies for monitoring and verification might contribute to a future arms control agreement and what specific investments are needed.

## OTHER MATTERS

### Hypersonic Initiative

The committee notes the multiple programs and efforts across the military services and defense agencies to deliver both offensive and defensive hypersonic capabilities to the regional combatant commanders and U.S. Strategic Command. The committee further notes a limited industrial base and workforce with the requisite knowledge and infrastructure to complete development, testing, production, and deployment of these weapon systems. Therefore, the committee is interested in the potential of an initiative to address current gaps that exist in development, testing, and fielding of hypersonic capabilities, as well as to accelerate production and fielding. The committee directs the Secretary of Defense, in consultation with interagency partners as necessary, to submit a report to the House Committee on Armed Services not later than February 1, 2023, on potential options to establish a "National Hypersonic Initiative" that identifies the following:

(1) Options to establish innovative solutions leap-ahead technologies for accelerating and increasing production capacity across the current programs of record within the military services, to include the potential use of Government owned-contractor operated facilities;

(2) Areas in which partnerships with academia and the private sector can be strengthened with regards to technology and producibility of hypersonic weapon systems;

(3) Areas in which the Department of Defense can collaborate across the Interagency to improve development, testing and fielding of hypersonic capabilities;

(4) A list of allied countries that have expressed interest, or which the Department of Defense believe could make contributions in, co-development or co-production efforts with the Department of Defense with regards to hypersonic weapon systems; and

(5) Other relevant lines of effort or work areas as determined by the Secretary.

For those options identified in the report that would require funding to execute, the committee directs the Secretary to include what resources are needed in the first 5-years of the initiative.

## **DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS**

### **TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS**

#### **ITEMS OF SPECIAL INTEREST**

##### **Report on Space Needs in Support of Foreign Military Sales Mission**

The committee continues to express concern as to the ability of the Department of Defense to provide requisite facilities to support Foreign Military Sales (FMS) mission requirements. Therefore, the committee directs the Secretary of Defense, in coordination with the Director of the Defense Security Cooperation Agency, to submit a report to the House Committee on Armed Services by March 1, 2023, that includes the following elements:

(1) requirements to meet the facility shortfalls for administrative space related to the mission of the Foreign Military Sales program authorized by chapter 2 of the Arms Export Control Act (22 U.S.C. 2761).

(2) a projection of the impact on the FMS mission if the requirements described in (1) are not met.

(3) an analysis of alternatives to meet the requirements described in (1) to include the following alternatives: (a) new construction on a military installation; (b) leasing or other privatized alternatives to obtain suitable facilities on or off of a military installation; (c) rehabilitating existing facilities on a military installation; and (d) other relevant alternatives as determined by the Secretary.

(4) such analysis of alternatives shall include the following items for each alternative: (a) costs and benefits; (b) advantages, disadvantages, and relevant factors to the FMS mission and to the Department; and (c) an analysis of existing statutory limitations and, if any, proposed legislative language to amend such limitations to meet the requirements identified in subsection (1) for each of the alternatives outlined in subsection (3).



# **ADDENDUM: SUMMARY TABLES**

Note: The following table is informational only and will be included as part of the committee report.

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2023

(In Thousands of Dollars)

	FY 2023 Request	House Change	House Authorized
<b>DISCRETIONARY AUTHORIZATIONS WITHIN THE JURISDICTION OF THE ARMED SERVICES COMMITTEE</b>			
<b>National Defense Funding, Base Budget Request</b>			
<b>Function 051, Department of Defense-Military</b>			
<b>Division A: Department of Defense Authorizations</b>			
<b>Title I—Procurement</b>			
Aircraft Procurement, Army .....	2,849,655	258,200	3,107,855
Missile Procurement, Army .....	3,761,915	–45,000	3,716,915
Weapons & Tracked Combat Vehicles, Army .....	3,576,030		3,576,030
Procurement of Ammunition, Army .....	2,639,051	–30,500	2,608,551
Other Procurement, Army .....	8,457,509	287,659	8,745,168
Aircraft Procurement, Navy .....	16,848,428	83,700	16,932,128
Weapons Procurement, Navy .....	4,738,705		4,738,705
Procurement of Ammunition, Navy & Marine Corps .....	1,052,292		1,052,292
Shipbuilding & Conversion, Navy .....	27,917,854	–220,000	27,697,854
Other Procurement, Navy .....	11,746,503	–387,775	11,358,728
Procurement, Marine Corps .....	3,681,506	–2,000	3,679,506
Aircraft Procurement, Air Force .....	18,517,428	245,311	18,762,739
Missile Procurement, Air Force .....	2,962,417	–46,566	2,915,851
Procurement of Ammunition, Air Force .....	903,630	–18,000	885,630
Other Procurement, Air Force .....	25,691,113	–273,730	25,417,383
Procurement, Space Force .....	3,629,669	188,000	3,817,669
Procurement, Defense-Wide .....	5,245,500	116,000	5,361,500
National Guard & Reserve Equipment .....	0	50,000	50,000
<b>Subtotal, Title I—Procurement .....</b>	<b>144,219,205</b>	<b>205,299</b>	<b>144,424,504</b>
<b>Title II—Research, Development, Test and Evaluation</b>			
Research, Development, Test & Evaluation, Army .....	13,710,273	497,460	14,207,733
Research, Development, Test & Evaluation, Navy .....	24,078,718	276,250	24,354,968
Research, Development, Test & Evaluation, Air Force .....	44,134,301	204,311	44,338,612
Research, Development, Test & Evaluation, Space Force .....	15,819,372	–497,945	15,321,427
Research, Development, Test & Evaluation, Defense- Wide .....	32,077,552	717,070	32,794,622
Mission-Based Rapid Acquisition Account .....	0	30,000	30,000
Operational Test & Evaluation, Defense .....	277,194		277,194
<b>Subtotal, Title II—Research, Development, Test and Evaluation .....</b>	<b>130,097,410</b>	<b>1,227,146</b>	<b>131,324,556</b>
<b>Title III—Operation and Maintenance</b>			
Operation & Maintenance, Army .....	58,117,556	–489,817	57,627,739
Operation & Maintenance, Army Reserve .....	3,228,504		3,228,504
Operation & Maintenance, Army National Guard .....	8,157,237		8,157,237
Counter-ISIS Train and Equip Fund .....	541,692		541,692
Operation & Maintenance, Navy .....	66,151,951	383,100	66,535,051
Operation & Maintenance, Marine Corps .....	9,660,944	–15,000	9,645,944
Operation & Maintenance, Navy Reserve .....	1,228,300		1,228,300

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## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2023—Continued

(In Thousands of Dollars)

	FY 2023 Request	House Change	House Authorized
Operation & Maintenance, Marine Corps Reserve .....	304,233		304,233
Operation & Maintenance, Air Force .....	58,281,242	-331,969	57,949,273
Operation & Maintenance, Space Force .....	4,034,658		4,034,658
Operation & Maintenance, Air Force Reserve .....	3,564,544		3,564,544
Operation & Maintenance, Air National Guard .....	6,900,679		6,900,679
Operation & Maintenance, Defense-Wide .....	48,406,516	-1,065,159	47,341,357
Ukraine Security Assistance .....	0	450,000	450,000
United States Court of Appeals for the Armed Forces .....	16,003		16,003
DOD Acquisition Workforce Development Fund .....	53,791		53,791
Overseas Humanitarian, Disaster, and Civic Aid .....	112,800		112,800
Cooperative Threat Reduction Account .....	341,598		341,598
Environmental Restoration, Army .....	196,244		196,244
Environmental Restoration, Navy .....	359,348	530,000	889,348
Environmental Restoration, Air Force .....	314,474	30,000	344,474
Environmental Restoration, Defense .....	8,924	25,000	33,924
Environmental Restoration, Formerly Used Sites .....	227,262		227,262
Support for International Sporting Competitions , De- fense .....	10,377		10,377
Red Hill Recovery Fund .....	1,000,000	-1,000,000	0
<b>Subtotal, Title III—Operation and Maintenance .....</b>	<b>271,218,877</b>	<b>-1,483,845</b>	<b>269,735,032</b>
<b>Title IV—Military Personnel</b>			
Military Personnel Appropriations .....	164,139,628	-505,600	163,634,028
Medicare-Eligible Retiree Health Fund Contributions ...	9,743,704		9,743,704
<b>Subtotal, Title IV—Military Personnel .....</b>	<b>173,883,332</b>	<b>-505,600</b>	<b>173,377,732</b>
<b>Title XIV—Other Authorizations</b>			
National Defense Stockpile Transaction Fund .....	253,500		253,500
Working Capital Fund, Army .....	29,937		29,937
Working Capital Fund, Navy .....	0		0
Working Capital Fund, Air Force .....	80,448		80,448
Working Capital Fund, Defense-Wide .....	8,302		8,302
Working Capital Fund, DECA .....	1,211,208	500,000	1,711,208
Chemical Agents & Munitions Destruction .....	1,059,818		1,059,818
Drug Interdiction and Counter Drug Activities .....	855,728		855,728
Office of the Inspector General .....	479,359		479,359
Defense Health Program .....	36,932,174	37,000	36,969,174
<b>Subtotal, Title XIV—Other Authorizations .....</b>	<b>40,910,474</b>	<b>537,000</b>	<b>41,447,474</b>
<b>Total, Division A: Department of Defense Authoriza- tions .....</b>	<b>760,329,298</b>	<b>-20,000</b>	<b>760,309,298</b>
<b>Division B: Military Construction Authorizations</b>			
<b>Military Construction</b>			
Army .....	845,565	83,114	928,679
Navy .....	3,752,391	-433,845	3,318,546
Air Force .....	2,055,456	214,730	2,270,186
Defense-Wide .....	2,416,398	-18,670	2,397,728
NATO Security Investment Program .....	210,139		210,139

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## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2023—Continued

(In Thousands of Dollars)

	FY 2023 Request	House Change	House Authorized
Army National Guard .....	297,278	33,111	330,389
Army Reserve .....	99,878		99,878
Navy and Marine Corps Reserve .....	30,337	-9,000	21,337
Air National Guard .....	148,883	20,060	168,943
Air Force Reserve .....	56,623	10,500	67,123
Unaccompanied Housing Improvement Fund .....	494		494
<b>Subtotal, Military Construction .....</b>	<b>9,913,442</b>	<b>-100,000</b>	<b>9,813,442</b>
<b>Family Housing</b>			
Construction, Army .....	169,339		169,339
Operation & Maintenance, Army .....	436,411		436,411
Construction, Navy and Marine Corps .....	337,297		337,297
Operation & Maintenance, Navy and Marine Corps .....	368,224		368,224
Construction, Air Force .....	232,788		232,788
Operation & Maintenance, Air Force .....	355,222		355,222
Operation & Maintenance, Defense-Wide .....	50,113		50,113
Improvement Fund .....	6,442		6,442
<b>Subtotal, Family Housing .....</b>	<b>1,955,836</b>	<b>0</b>	<b>1,955,836</b>
<b>Base Realignment and Closure</b>			
Base Realignment and Closure—Army .....	67,706	50,000	117,706
Base Realignment and Closure—Navy .....	106,664	50,000	156,664
Base Realignment and Closure—Air Force .....	107,311		107,311
Base Realignment and Closure—Defense-wide .....	3,006		3,006
<b>Subtotal, Base Realignment and Closure .....</b>	<b>284,687</b>	<b>100,000</b>	<b>384,687</b>
<b>Total, Division B: Military Construction Authoriza- tions .....</b>	<b>12,153,965</b>	<b>0</b>	<b>12,153,965</b>
<b>Total, 051, Department of Defense-Military .....</b>	<b>772,483,263</b>	<b>-20,000</b>	<b>772,463,263</b>
<b>Division C: Department of Energy National Security Authorization and Other Authorizations</b>			
<b>Function 053, Atomic Energy Defense Activities</b>			
<b>Environmental and Other Defense Activities</b>			
Nuclear Energy .....	156,600		156,600
Weapons Activities .....	16,486,298	20,000	16,506,298
Defense Nuclear Nonproliferation .....	2,346,257		2,346,257
Naval Reactors .....	2,081,445		2,081,445
Federal Salaries and Expenses .....	496,400		496,400
Defense Environmental Cleanup .....	6,914,532		6,914,532
Other Defense Activities .....	978,351		978,351
<b>Subtotal, Environmental and Other Defense Activi- ties .....</b>	<b>29,459,883</b>	<b>20,000</b>	<b>29,479,883</b>
<b>Independent Federal Agency Authorization</b>			
Defense Nuclear Facilities Safety Board .....	41,401		41,401
<b>Subtotal, Independent Federal Agency Authorization</b>	<b>41,401</b>	<b>0</b>	<b>41,401</b>

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## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2023—Continued

(In Thousands of Dollars)

	FY 2023 Request	House Change	House Authorized
<b>Subtotal, 053, Atomic Energy Defense Activities .....</b>	<b>29,501,284</b>	<b>20,000</b>	<b>29,521,284</b>
<b>Function 054, Defense-Related Activities</b>			
<b>Other Agency Authorizations</b>			
Maritime Security Program .....	318,000		318,000
Tanker Security Program .....	60,000		60,000
<b>Subtotal, Other Agency Authorizations .....</b>	<b>378,000</b>	<b>0</b>	<b>378,000</b>
<b>Subtotal, 054, Defense-Related Activities .....</b>	<b>378,000</b>	<b>0</b>	<b>378,000</b>
<b>Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations ..</b>	<b>29,879,284</b>	<b>20,000</b>	<b>29,899,284</b>
<b>Total, National Defense .....</b>	<b>802,362,547</b>	<b>0</b>	<b>802,362,547</b>
<b>MEMORANDUM: NON-DEFENSE AUTHORIZATIONS .....</b>			
Title XIV—Armed Forces Retirement Home (Function 700) .....	152,360		152,360
Title XXXIV—Naval Petroleum and Oil Shale Reserves (Function 270) .....	13,004		13,004
Title XXXV—Maritime Administration (Function 400) ..	978,700	92,181	1,070,881
<b>MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)</b>			
Title X—General Transfer Authority .....	[8,000,000]	[-2,000,000]	[6,000,000]
<b>MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COM- MITTEE (NON-ADD)</b>			
Defense Production Act .....	659,906		

# **ADDENDUM: COMMUNITY PROJECT FUNDING ITEMS**

Note: The following table lists the Community Project Funding items contained in the funding tables. This table is informational only and will be included as part of the committee report.

**COMPLIANCE WITH HOUSE RULE XXI**

(Community Project Funding Items)

TITLE	ACCOUNT	PE	LINE	PROJECT NAME	PROJECT RECIPIENT	PROJECT LOCATION	AMOUNT (Dollars in Thou- sands)	MEMBER
4201	RDA	0603002A	027	U.S. Army Battlefield Exercise and Combat Related Traumatic Brain and Spinal Injury Research	The Miami Project to Cure Paralysis - U of Miami	Miami, FL	1,700	Wasserman Schultz, Debbie (FL)
4201	RDA	0603044A	034	Advancing Military Exoskeleton Technology State-of-The-Art Project	Natick Soldiers System Center	Natick, MA	2,890	Clark, Katherine M. (MA)
4201	RDA	0603044A	034	Building 2, Doriot Climatic Chambers, Exterior Repair	Natick Soldiers System Center	Natick, MA	3,630	Clark, Katherine M. (MA)
4201	RDA	0603044A	034	Small Unit Digital Twin for Robotic and Sensor Systems Integration	Natick Soldiers System Center	Natick, MA	3,500	Clark, Katherine M. (MA)
4201	RDN	0602123N	005	Resilient Autonomous Systems Research and Workforce Diversity	Benedict College	Columbia, SC	4,000	Clyburn, James E. (SC)
4201	RDN	0602123N	005	TALENT AND TECHNOLOGY FOR NAVY POWER AND ENERGY SYSTEMS	University of South Carolina	Columbia, SC	3,000	Clyburn, James E. (SC)
4201	RDN	0602131M	006	UNMANNED LOGISTICS SOLUTIONS FOR THE U.S. MARINE CORPS	University of South Carolina	Columbia, SC	3,000	Clyburn, James E. (SC)
4201	RDN	0602747N	012	Persistent Maritime Surveillance	Florida Atlantic University	Boca Raton, FL	4,000	Wasserman Schultz, Debbie (FL)
4201	RDN	0605212M	159	High-Energy Density and High-Power Density Li-Ion Battery Magazines (HEBM) in Defense Applications	Auburn University	Lee County, AL	4,000	Rogers, Mike (AL)
4201	RDAF	0601103F	002	Aeromedical Research Center	Norwich University Applied Research Institutes	Northfield and Berlin, Washington County, VT	2,350	Welch, Peter (VT)
4201	RDAF	0601103F	002	GHz-THz Antenna Systems for Massive Data Transmissions in Real-Time	Florida International University	Miami, FL	4,000	Wasserman Schultz, Debbie (FL)
4201	RDAF	0603680F	029	Additive Manufacturing and Ultra-High Performance Concrete	Florida International University	Miami, FL	4,000	Wasserman Schultz, Debbie (FL)

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4201	RDAF	0708055F	264	Aviation Training Academy of the Future	Atlantic County Economic Alliance	Egg Harbor Township, NJ	4,000	Van Drew, Jefferson (NJ)	
4201	RDDW	0601110D8Z	004	FIU/SOUTHCOM Security Research Hub / Enhanced Domain Awareness (EDA) Initiative	Florida International University	Miami, FL	1,300	Wasserman Schultz, Debbie (FL)	
4201	RDDW	0601110D8Z	004	HBCU Training for the Future of Aerospace	Florida Memorial University	Miami Gardens, FL	1,000	Wilson, Frederica S. (FL)	
4201	RDDW	0601120D8Z	006	Florida Memorial Avionics Smart Scholars	Florida Memorial University	Miami Gardens, FL	1,000	Wilson, Frederica S. (FL)	
4201	RDDW	0601228D8Z	007	Augmenting Quantum Sensing Research, Education and Training in DoD CoE at DSU	Delaware State University	Dover, DE	1,111	Blunt Rochester, Lisa (DE)	
4201	RDDW	0601228D8Z	007	Florida Memorial University Department of Natural Sciences STEM Equipment	Florida Memorial University	Miami Gardens, FL	600	Wilson, Frederica S. (FL)	
4201	RDDW	0603680D8Z	054	Future Nano and Micro-Fabrication - Advanced Materials Engineering Research Institute	Florida International University	Miami, FL	4,000	Wasserman Schultz, Debbie (FL)	
4201	RDDW	0603680D8Z	054	Manufacturing of Advanced Composites for Hypersonics – Aided by Digital Engineering	University of South Carolina	Columbia, SC	4,000	Clyburn, James E. (SC)	∞
4201	RDDW	0603680D8Z	054	Scalable comprehensive workforce readiness initiatives in bioindustrial manufacturing that lead to regional bioeconomic transformation and growth	Bioindustrial Manufacturing and Design Ecosystem	Solano & Yolo County, CA	4,000	Garamendi, John (CA)	
4201	RDDW	0607210D8Z	200	Critical Non-Destructive Inspection and Training for Key U.S. National Defense Interests through College of the Canyons Advanced Technology Center	College of the Canyons	Santa Clarita, CA	2,000	Garcia, Mike (CA)	
4201	RDDW	0607210D8Z	200	Partnerships for Manufacturing Training Innovation	University of Maine	Orono, ME; Drunswick, ME, and South Portland, ME	4,000	Golden, Jared F. (ME)	
4201	RDDW	1160408BB	265	Intercept, Collect, Analyze, and Disrupt (ICAD) Application	Norwich University Applied Research Institutes	Northfield, VT	2,300	Welch, Peter (VT)	
4601	MCA			General Purpose Warehouse ANAD	Anniston Army Depot	Calhoun County, AL	2,400	Rogers, Mike (AL)	



**COMPLIANCE WITH HOUSE RULE XXI—Continued**  
(Community Project Funding Items)

TITLE	ACCOUNT	PE	LINE	PROJECT NAME	PROJECT RECIPIENT	PROJECT LOCATION	AMOUNT (Dollars in Thou- sands)	MEMBER
4601	MCA			Fort Shafter Water System Upgrade	U.S. Department of the Army	Honolulu, HI	2,000	Case, Ed (HI)
4601	MCA			Tripler Army Medical Center Water System Upgrade	U.S. Department of the Army	Honolulu, HI	2,000	Case, Ed (HI)
4601	MCA			Joint Operations Center--Fort Polk, LA	Fort Polk	Vernon Parish, LA	61,000	Johnson, Mike (LA)
4601	MCA			Test Maintenance Fabrication Facility	Aberdeen Proving Ground	Aberdeen Proving Ground, MD	7,600	Ruppersberger, C. A. Dutch (MD)
4601	MCA			Picatinny Arsenal Precision Munitions Test Tower	Picatinny Arsenal	Morris County, NJ	3,654	Sherrill, Mikie (NJ)
4601	MCA			Automated Record Fire Plus (ARF+) Range; Project Number: 99913	Fort Drum	Fort Drum, NY	2,400	Stefanik, Elise M. (NY)
4601	MCA			INFANTRY SQUAD BATTLE COURSE	Fort Hood	Killeen, TX	600	Carter, John R. (TX)
4601	MCA			AUTOMATED INFANTRY PLATOON BATTLE COURSE, FORT HOOD	Fort Hood	Killeen, TX	1,220	Carter, John R. (TX)
4601	MCA			AUTOMATED MACHINE GUN RANGE, FORT HOOD	Fort Hood	Killeen, TX	1,240	Carter, John R. (TX)
4601	MCA			BARRACKS, FORT HOOD	Fort Hood	Killeen, TX	19,000	Carter, John R. (TX)
4601	MCN			Blount Island, FL- Communications Infrastructure Modernization Design	MCSF Blount Island	Jacksonville, FL	5,291	Rutherford, John H. (FL)
4601	MCN			Blount Island, FL- Communications Infrastructure Modernization Design	MCSF Blount Island	Jacksonville, FL	5,291	Waltz, Michael (FL)
4601	MCN			Bachelor Enlisted Quarters, MCB Kaneohe Bay, HI	NAVFAC HQ MILCON Program Manager	Kaneohe Bay, HI	87,930	Kahele, Kaiali'i (HI)
4601	MCN			Containted Burn Facility	NSWC, Indian Head	Indian Head, MD	4,750	Hoyer, Steny H. (MD)
4601	MCAF			Commercial Vehicle Inspection Gate at Maxwell Air Force Base	Maxwell Air Force Base	Montgomery, AL	15,000	Sewell, Terri A. (AL)

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4601	MCAF	F-35 Weapons Load Crew Training Facility	Montgomery Regional Airport (ANG) Base	Montgomery, AL	920	Sewell, Terri A. (AL)
4601	MCAF	KC-46 ADAL SIMULATOR FACILITY, B179	60 Wing Base	Solano, CA	7,500	Garamendi, John (CA)
4601	MCAF	F-35A ADAL Developmental Test- Eglin AFB	US Air Force	Eglin AFB, FL	2,500	Waltz, Michael (FL)
4601	MCAF	F-35A Developmental Test 2-Bay Test Hangar- Eglin AFB	US Air Force	Eglin AFB, FL	3,700	Waltz, Michael (FL)
4601	MCAF	F-35A Developmental Test 2-Bay Mxs Hangar- Eglin AFB	US Air Force	Eglin AFB, FL	4,100	Waltz, Michael (FL)
4601	MCAF	Patrick SFB Consolidated Communications Facility	Patrick Space Force Base	Patrick SFB, Brevard County, FL	75,680	Waltz, Michael (FL)
4601	MCAF	KIRTLAND AIR FORCE BASE REMOTE MAUI EXPERIMENTAL SITE SITE # 1 HAWAII, SECURE INTEGRATION SUPPORT LAB W/ LAND ACQ, PE 91211	U.S. Air Force	MAUI, HI	89,000	Kahele, Kaiali'i (HI)
4601	MCAF	Cost to Complete NDR MILCON Offutt AFB, Nebraska	Department of the Air Force	Offutt AFB, NE	317,470	Bacon, Don (NE)
4601	MCAF	JNWC Headquarters	Kirtland Air Force Base	Albuquerque, NM	47,000	Stansbury, Melanie A. (NM)
4601	MCAF	Wright-Patterson Child Development Center / School Age Center	Wright-Patterson Air Force Base	Dayton, OH	29,000	Turner, Michael R. (OH)
4601	MCAF	Altus Air Force Base South Gate	Altus Air Force Base	Altus, OK	4,750	Lucas, Frank D. (OK)
4601	MCAF	Lackland Air Force Base BMT Recruit Dormitory 8, INC 3 Cost to Complete	JBSA-Lackland	San Antonio, TX	5,400	Gonzales, Tony (TX)
4601	MCAF	JBSA-Randolph Child Development Center	JBSA-Randolph	San Antonio, TX	29,000	Gonzales, Tony (TX)
4601	MCDW	SOCOM SOF Joint MISO Web-Operations Facility, MacDill AFB	United States Special Operations Command	Tampa, MacDill AFB, FL	8,730	Waltz, Michael (FL)
4601	MCDW	SOCOM SOF Operations Integration Facility- MacDill AFB	United States Special Operations Command	MacDill AFB, Tampa, FL	50,000	Waltz, Michael (FL)
4601	MCARNG	Camp Blanding, FL- Automated Multipurpose Machine Gun (MPMG) Range	FL Army National Guard	Clay County (Camp Blanding), FL	8,500	Waltz, Michael (FL)
4601	MCARNG	Scout Recce Gunnery Complex- Camp Blanding, FL	FL Army National Guard	Clay County (Camp Blanding), FL	16,200	Waltz, Michael (FL)

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**COMPLIANCE WITH HOUSE RULE XXI—Continued**  
(Community Project Funding Items)

TITLE	ACCOUNT	PE	LINE	PROJECT NAME	PROJECT RECIPIENT	PROJECT LOCATION	AMOUNT (Dollars in Thou- sands)	MEMBER
4601	MCARNG			Camp Beauregard Energy Resilience Con- servation Investment Program Project	Camp Beauregard	Pineville, LA	765	Carter, Troy A. (LA)
4601	MCARNG			Munitions Administrative Facility	LA National Guard	Belle Chasse, LA	1,650	Carter, Troy A. (LA)
4601	MCANG			Base Entry Complex Morris ANGB	Morris Air National Guard Base	Tucson, AZ	12,000	Kirkpatrick, Ann (AZ)
4601	MCANG			F-35 Munitions Maintenance & Inspection Facility- Design	FL Air National Guard	Jacksonville, FL	530	Rutherford, John H. (FL)
4601	MCANG			F-35 Munitions Maintenance & Inspection Facility- Design	FL Air National Guard	Jacksonville, FL	530	Waltz, Michael (FL)
4601	MCANG			F-35 Construct Munitions Storage Area Admin & Pad Jacksonville International Airport- Design	FL Air National Guard	Jacksonville, FL	730	Rutherford, John H. (FL)
4601	MCANG			F-35 Construct Munitions Storage Area Admin & Pad Jacksonville International Airport- Design	FL Air National Guard	Jacksonville, FL	730	Waltz, Michael (FL)
4601	MCANG			Abbeville Readiness Center	Abbeville Readiness Center	Abbeville, LA	1,650	Carter, Troy A. (LA)
4601	MCAFR			Space Rapid Capabilities Office (SPRCO) Headquarters Fac.	Kirtland Air Force Base	Albuquerque, NM	44,000	Stansbury, Melanie A. (NM)
4601	MCAFR			Air Force Reserve Intelligence Group Facil- ity	Air Force Reserve	Hampton, VA	10,500	Luria, Elaine G. (VA)

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