

**H.R. 3838—STREAMLINING PROCUREMENT
FOR EFFECTIVE EXECUTION AND DELIVERY
AND NATIONAL DEFENSE AUTHORIZATION
ACT FOR FISCAL YEAR 2026**

**SUBCOMMITTEE ON CYBER,
INFORMATION TECHNOLOGIES, AND
INNOVATION**

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DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

LEGISLATIVE PROVISIONS

SUBTITLE B—PROGRAM REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS

Section 211—Modification to Authority to Award Prizes for Advanced Technology Achievements

This section would amend the authority to operate prize competitions to enable the Secretary of Defense to delegate the authority and increases the potential value of the prize challenges.

Section 212—Extension of Authority for Assignment to Defense Advanced Research Projects Agency of Private Sector Personnel with Critical Research and Development Expertise

This section would extend the authority for the Defense Advanced Research Projects Agency to temporarily assign employees of nontraditional defense contractors to the Agency by five years.

Section 213—Review and Alignment of Standards, Guidance, and Policies Relating to Digital Engineering

This section would require the Secretaries of the military departments, in coordination with the Under Secretary of Defense for Research and Engineering (USD(R&E)), Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)), and the Director, Operational Test and Evaluation (DOT&E), to conduct a review of the reference architectures, standards, and best practices for the use of digital engineering tools at all stages of program design, development, and testing.

This section would also require the Secretaries of the military departments to develop and implement a standard reference architecture for each covered military service to guide the use of digital engineering for program development.

Finally, this section would also require the USD(R&E), USD(A&S), and DOT&E to identify and develop recommendations regarding areas in which further standardization of reference architectures for digital engineering across the covered armed services may be feasible.

Section 214—Application of Software Innovation and Data Management Plans to Modernize Test and Evaluation Infrastructure

This section would require the Director, Test Resource Management Center, in coordination with the Director, Defense Innovation Unit, the Director, Operational Test and Evaluation, and the military services, to develop and maintain a digital test and evaluation environment for developmental and operational testing. The section would also require program managers to submit data management plans prior to executing a test and evaluation event. Finally, this section would establish a pilot program to determine how commercial software could accelerate and improve testing for priority mission areas.

SUBTITLE C—PLANS, REPORTS, AND OTHER MATTERS

Section 221—Feasibility Study on Incorporating Militarily-Relevant Applications of Emerging Biotechnology into Wargaming Exercises

This section would require the Chairman of the Joint Chiefs of Staff to conduct a feasibility study on incorporating military-relevant applications of emerging biotechnology to wargaming exercises.

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

LEGISLATIVE PROVISIONS

SUBTITLE A—ACQUISITION POLICY AND MANAGEMENT

Section 803—Establishing Biobased Product Merit Guidance

This section would require the Under Secretary of Defense for Research and Engineering, in coordination with the Secretaries of the military departments, to develop and make publicly available guidance for private entities to prove biobased products meet Department of Defense requirements.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

LEGISLATIVE PROVISIONS

SUBTITLE A—OFFICE OF THE SECRETARY OF DEFENSE AND RELATED MATTERS

Section 901—Modification to Authorities of the Under Secretary of Defense for Research and Engineering

This section would expand the authorities of the Under Secretary of Research and Engineering.

Section 902—Additional Authorities for the Office of Strategic Capital

This section would allow the Office of Strategic Capital to charge fees on their transactions.

SUBTITLE B—OTHER DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT MATTERS

Section 912—Authority to Establish Regional Outreach Centers for the Defense Innovation Unit

The section provides statutory authority for the Defense Innovation Unit regional outreach centers which include domestic or international locations. The Director of the Defense Innovation Unit shall provide a briefing to Committee on Armed Services, not later than January 1, 2026, detailing plans to stand up at least two additional OnRamp Hubs in fiscal year 2026, including planned locations for such Hubs and the necessary personnel and resourcing to stand up those locations. The briefing shall also include relevant criteria, personnel, resourcing, and potential locations for overseas locations.

TITLE XV—CYBERSPACE-RELATED MATTERS

LEGISLATIVE PROVISIONS

SUBTITLE A—CYBER OPERATIONS

Section 1501—Accountability of the Authorization to Operate Processes

This section would add additional reporting requirements to the Authority to Operate (ATO) process and streamline timelines for approving an ATO.

Section 1502—Assessment of Cyber Operational Support to Geographic Combatant Commands

This section would require the commanders of the unified combatant commands, other than the Commander of the United States Cyber Command, to submit, on an annual basis, a report to the congressional defense committees on the sufficiency of support provided by the Commander of the United States Cyber Command.

SUBTITLE B—CYBERSECURITY

Section 1511—Annual Report on Weapon Systems Data Accessibility and Security

This section would require the Secretaries of the Army, Navy, and Air Force to report on an annual basis those weapon systems which lack onboard, real-time cybersecurity capabilities.

Section 1512—Incorporation of Artificial Intelligence Considerations into Annual Cybersecurity Training

This section would require the Secretary of Defense, acting through the Chief Information Officer of the Department of Defense, to revise the mandatory annual cybersecurity training to include content related to unique challenges related to Artificial Intelligence.

SUBTITLE C—INFORMATION TECHNOLOGY AND DATA MANAGEMENT

Section 1521—Biological Data for Artificial Intelligence

This section would require the Secretary of Defense to develop and implement requirements that ensure qualified Department of Defense biological data resources are collected and stored for advanced computational methods.

SUBTITLE D—ARTIFICIAL INTELLIGENCE

Section 1531—Artificial Intelligence and Machine Learning Security in the Department of Defense

This section would create a requirement for a software bill of materials for artificial intelligence.

Section 1532—Pilot Program for Data-Enabled Fleet Maintenance

This section would require the Secretaries of the Army, Navy, and Air Force to establish pilot programs to use commercially available artificial intelligence technologies to improve the maintenance of ground vehicles in each military service's inventory.

Section 1533—Generative Artificial Intelligence for National Defense

This section would authorize the Department to create up to 12 generative artificial intelligence lines of effort.

TITLE XVIII—STREAMLINING PROCUREMENT FOR EFFECTIVE EXECUTION AND DELIVERY

LEGISLATIVE PROVISIONS

SUBTITLE D—MATTERS RELATING TO COMMERCIAL INNOVATION

Section 1833—Requirements for Modular Open System Approach and Modifications to Rights in Technical Data

This section would amend chapter 327 of title 10, United States Code, to streamline and simplify the requirements for a modular open system approach to the design and development of a major weapon system. This section would also make conforming amendments to section 3771 of title 10, United States Code, related to intellectual property and data rights in modular system interfaces.

Section 1834—Bridging Operational Objectives and Support for Transition Program

This section would require the Director of the Defense Innovation Unit (DIU) to establish a program to support the transition of technologies into established capability development and procurement activities of the military services. The Bridging Operational Objectives and Support for Transition (BOOST) program would directly support program managers and program executive officers (PEOs) by matching identified technologies with program requirements and serving as an on-ramp to integration of the needed technology into programs of record. The committee also intends that the BOOST program would create an active feedback

loop between the program manager or PEO and the innovator, which would inform and guide prototyping efforts in the context of an existing requirement in an established program.

This section would require the Secretary of Defense, in coordination with the Under Secretary of Defense for Acquisition and Sustainment and the Director of DIU, to provide the congressional defense committees a report on the effectiveness of the BOOST program in accelerating technology adoption or integration. The report would be due not later than two years after the date of the enactment of this Act and would require the Secretary to recommend whether to terminate or continue the BOOST program beyond December 31, 2030.

BILL LANGUAGE

1 **Subtitle B—Program Require-**
2 **ments, Restrictions, and Limita-**
3 **tions**

4 **SEC. 211 [Log 82844]. MODIFICATION TO AUTHORITY TO**
5 **AWARD PRIZES FOR ADVANCED TECH-**
6 **NOLOGY ACHIEVEMENTS.**

7 (a) SECRETARIAL AUTHORITY.—Subsection (a) of
8 section 4025 of title 10, United States Code, is amended
9 by striking “, acting through the Under Secretary of De-
10 fense for Research and Engineering, the Under Secretary
11 of Defense for Acquisition and Sustainment, and the serv-
12 ice acquisition executive for each military department,”.

13 (b) MAXIMUM AMOUNT OF AWARD PRIZES.—Sub-
14 section (c) of such section is amended to read as follows:

15 “(c) LIMITATION.—No prize competition may result
16 in the award of a prize with a fair market value of more
17 than \$20,000,000 without the approval of the Secretary
18 of Defense.”.

19 (c) CONGRESSIONAL NOTIFICATION THRESHOLD.—
20 Subsection (g)(1) of such section is amended by striking
21 “\$10,000,000” and inserting “the amount specified in
22 subsection (c)”.

1 **SEC. 212 [Log 82842]. EXTENSION OF AUTHORITY FOR AS-**
2 **SIGNMENT TO DEFENSE ADVANCED RE-**
3 **SEARCH PROJECTS AGENCY OF PRIVATE**
4 **SECTOR PERSONNEL WITH CRITICAL RE-**
5 **SEARCH AND DEVELOPMENT EXPERTISE.**

6 (a) EXTENSION.—Subsection (e) of section 232 of
7 the Carl Levin and Howard P. “Buck” McKeon National
8 Defense Authorization Act for Fiscal Year 2015 (Public
9 Law 113–291; 10 U.S.C. note prec. 4091) is amended by
10 striking “September 30, 2025” and inserting “September
11 30, 2030”.

12 (b) TECHNICAL AMENDMENT.—Subsection (f)(2) of
13 such section is amended by striking “section 2302” and
14 inserting “section 3014”.

1 **SEC. 213 [Log 82148]. REVIEW AND ALIGNMENT OF STAND-**
2 **ARDS, GUIDANCE, AND POLICIES RELATING**
3 **TO DIGITAL ENGINEERING.**

4 (a) REVIEW REQUIRED.—

5 (1) IN GENERAL.—Not later than 180 days
6 after the date of the enactment of this Act, each
7 Secretary of a military department, in coordination
8 with the officials specified in subsection (c), shall
9 complete a comprehensive review of the standards,
10 guidance, and policies relating to digital engineering
11 within the covered Armed Forces under the jurisdic-
12 tion of that Secretary.

13 (2) ELEMENTS.—Each review under paragraph
14 (1) shall include, with respect to the covered Armed
15 Forces under the jurisdiction of the Secretary con-
16 cerned, the following:

17 (A) A review of the reference architectures,
18 standards, and best practices for the use of dig-
19 ital engineering tools (including digital twins
20 and digital threads) as in effect at the time of
21 the review, including standards for the use of
22 such tools at all stages of program design, de-
23 velopment, and testing.

24 (B) Identification of the current standards
25 guiding the use of such digital engineering

1 tools, at all stages of program design, develop-
2 ment, and testing.

3 (C) Assessment of—

4 (i) the extent to which the use of such
5 standards and related governance struc-
6 tures is consistent across the covered
7 Armed Forces under the jurisdiction of the
8 Secretary concerned; and

9 (ii) the level of interoperability of such
10 standards across such Armed Forces.

11 (D) Identification of best practices for dig-
12 ital engineering within each such Armed Force.

13 (E) Recommendations for improvements to
14 the use of digital engineering tools in each such
15 Armed Force.

16 (b) DEVELOPMENT OF STANDARD REFERENCE AR-
17 CHITECTURE.—

18 (1) IN GENERAL.—Not later than 180 days
19 after the date on which the Secretary of a military
20 department completes the review required under
21 subsection (a), the Secretary shall develop and im-
22 plement a standard reference architecture to guide
23 the use of, and best practices for, digital engineering
24 for program design, development, and testing within
25 each covered Armed Force under the jurisdiction of

1 that Secretary. Each reference architecture shall in-
2 clude—

3 (A) a framework and clear requirements
4 for developing and deploying digital engineering
5 tools across program lifecycles; and

6 (B) defined standards for data manage-
7 ment and modeling.

8 (2) PERIODIC REVIEW.—Not less frequently
9 than once every three years following implementa-
10 tion of the standard reference architecture required
11 under paragraph (1), each Secretary of a military
12 department shall—

13 (A) conduct periodic reviews of the ref-
14 erence architecture to ensure it effectively ad-
15 dresses advancements in technology and evol-
16 ving operational needs; and

17 (B) if necessary, modify the reference ar-
18 chitecture to address such advancements and
19 needs.

20 (3) APPROVAL AND CERTIFICATION RE-
21 QUIRED.—Before a reference architecture may be
22 implemented under this subsection, the Under Sec-
23 retary of Defense for Acquisition and Sustainment,
24 in coordination with the Under Secretary of Defense

1 for Research and Engineering and the Director of
2 Operational Test and Evaluation, shall—

3 (A) review and approve the reference archi-
4 tecture; and

5 (B) submit certification of such approval
6 to the head of the covered Armed Force in-
7 volved.

8 (4) RECOMMENDATIONS FOR FURTHER STAND-
9 ARDIZATION.—Based on the reviews conducted
10 under paragraph (3), the Under Secretary of De-
11 fense for Acquisition and Sustainment, in coordina-
12 tion with the Under Secretary of Defense for Re-
13 search and Engineering and the Director of Oper-
14 ational Test and Evaluation, shall—

15 (A) identify and develop recommendations
16 regarding areas in which further standardiza-
17 tion of reference architectures across the cov-
18 ered Armed Forces may be feasible; and

19 (B) submit such recommendations to the
20 Secretaries of the military departments.

21 (c) OFFICIALS SPECIFIED.—The officials specified in
22 this subsection are the following—

23 (1) The Under Secretary of Defense for Acqui-
24 sition and Sustainment.

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

3 (3) The Director of Operational Test and Eval-
4 uation.

5 (d) DEFINITIONS.—In this section:

6 (1) The term “covered Armed Forces” means
7 the Army, Navy, Air Force, Marine Corps, and
8 Space Force.

9 (2) The term “reference architecture” means
10 an authoritative source of information about a spe-
11 cific subject area that guides and constrains the
12 instantiations of multiple architectures and solu-
13 tions, as described in the guidance of the Office of
14 the Assistant Secretary of Defense titled “Reference
15 Architecture Description”, dated June 2010, or any
16 successor to such guidance.

1 **SEC. 214 [Log 82149]. APPLICATION OF SOFTWARE INNOVA-**
2 **TION AND DATA MANAGEMENT PLANS TO**
3 **MODERNIZE TEST AND EVALUATION INFRA-**
4 **STRUCTURE.**

5 (a) ESTABLISHMENT OF DIGITAL TEST AND EVAL-
6 UATION ENVIRONMENT.—

7 (1) PROGRAM.—The Director of the Test Re-
8 source Management Center, in coordination with the
9 officials specified in paragraph (4), shall establish
10 and maintain a digital test and evaluation environ-
11 ment for developmental and operational testing of
12 warfighting capabilities.

13 (2) REQUIREMENTS.—The digital test and eval-
14 uation environment required under paragraph (1)
15 shall—

16 (A) incorporate commercially-derived data
17 management, analysis, and operations software
18 tools to enable rapid test and evaluation;

19 (B) enable real-time and iterative data col-
20 lection, management, analysis, and feedback
21 loops across the life cycle of tested systems;

22 (C) provide secure environments for testing
23 systems with operational security sensitivities;
24 and

25 (D) use a modular open system approach
26 (as defined in section 4401 of title 10, United

1 States Code) to ensure the environment can be
2 accessed by multiple vendors and is interoper-
3 able with multiple data sources, data formats,
4 and digital tools.

5 (3) USE OF SOFTWARE ACQUISITION PATH-
6 WAY.—In procuring software and covered hardware
7 (as defined in section 3603 of title 10, United States
8 Code) for the digital test and evaluation environ-
9 ment required under paragraph (1), the Director of
10 the Test Resource Management center shall use a
11 software acquisition pathway described in section
12 3603 of title 10, United States Code.

13 (4) OFFICIALS SPECIFIED.—The officials speci-
14 fied in this paragraph are—

15 (A) the Director of the Defense Innovation
16 Unit;

17 (B) the Director of Operational Test and
18 Evaluation; and

19 (C) each chief of a covered Armed Force.

20 (b) DATA MANAGEMENT PLANS.—

21 (1) IN GENERAL.—Before a covered Armed
22 Force may conduct a test and evaluation event, an
23 appropriate official from the Armed Force shall sub-
24 mit to the Director of Operational Test and Evalua-
25 tion and the Director of the Test Resource Manage-

1 ment Center a data management plan for the event.
2 Such data management plan may be included as
3 part of the Test and Evaluation Master plan sub-
4 mitted for the event pursuant to Department of De-
5 fense Directive 5000.100.

6 (2) PLAN REQUIREMENTS.—The Director of
7 Operational Test and Evaluation and the Director of
8 the Test Resource Management Center shall jointly
9 develop standard requirements for the data manage-
10 ment plans required under paragraph (1). Each such
11 data management plan shall include, with respect to
12 the test and evaluation event covered by the plan—

13 (A) identification of relevant data to be
14 collected during the event;

15 (B) methodologies for analyzing data after
16 testing is complete; and

17 (C) any other information the Directors
18 determine appropriate.

19 (c) PILOT PROGRAM TO ACCELERATE TEST.—

20 (1) IN GENERAL.—The Director of the Defense
21 Innovation Unit and the Director of the Test Re-
22 source Management Center, in coordination with the
23 Director of Operational Test and Evaluation, shall
24 jointly carry out a pilot program to determine how

1 commercial software can be used to accelerate and
2 improve testing for priority mission areas—

3 (A) to accelerate continuous integration
4 and continuous testing of warfighting capabili-
5 ties by applying industry best practices and
6 tooling for scalability, advanced analysis, and
7 data sharing on identified priority use cases;
8 and

9 (B) to enable continuous and iterative test-
10 ing throughout capability design, development,
11 engineering, and fielding.

12 (2) REPORTS REQUIRED.—The Director of the
13 Defense Innovation Unit and the Director of the
14 Test Resource Management Center, in coordination
15 with the Director of Operational Test and Evalua-
16 tion, shall—

17 (A) not later than 120 days after the date
18 of the enactment of this Act, submit to the con-
19 gressional defense committees an interim report
20 that includes an implementation plan for the
21 pilot program under paragraph (1); and

22 (B) following submittal of the report under
23 subparagraph (A), but not later than 270 days
24 after the date of the enactment of this Act, sub-
25 mit to the committees a report on the progress

1 of the pilot program, which shall include a de-
2 scription of—

3 (i) the metrics used to measure the
4 performance of commercial software under
5 the program;

6 (ii) the initial findings of the program;
7 and

8 (iii) based on such findings, any iden-
9 tified roadblocks or limitations to using
10 commercial software and digital tools for
11 accelerated testing.

12 (3) TERMINATION.—The authority to carry out
13 the pilot program under this subsection shall termi-
14 nate five years after the date of the enactment of
15 this Act.

16 (d) COVERED ARMED FORCE DEFINED.—In this sec-
17 tion, the term “covered Armed Force” means the Army,
18 Navy, Air Force, Marine Corps, and Space Force.

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

3 **SEC. 221 [Log 82517]. FEASIBILITY STUDY ON INCOR-**
4 **PORATING MILITARILY-RELEVANT APPLICA-**
5 **TIONS OF EMERGING BIOTECHNOLOGY INTO**
6 **WARGAMING EXERCISES.**

7 (a) IN GENERAL.—The Chairman of the Joint Chiefs
8 of Staff shall conduct a review to determine the feasibility
9 and advisability modifying the design of wargaming exer-
10 cises to ensure that such exercises incorporate militarily-
11 relevant applications of emerging biotechnology.

12 (b) ELEMENTS.—In conducting the review required
13 under subsection (a), the Chairman of the Joint Chiefs
14 of Staff shall take into account—

15 (1) biotechnology-enabled enhancements that
16 improve the cognitive and physical performance of
17 warfighters;

18 (2) biotechnology-enabled chemicals and mate-
19 rials intended to provide a strategic advantage on
20 the battlefield;

21 (3) adversaries' use of biotechnology for mili-
22 tary purposes beyond traditional biological weapons;
23 and

1 (4) any other militarily-relevant applications of
2 biotechnology determined appropriate by the Chair-
3 man.

4 (c) CONSULTATION.—In conducting the review under
5 subsection (a), the Chairman of the Joint Chiefs of Staff
6 shall consult with—

7 (1) the commanders of the combatant com-
8 mands; and

9 (2) other stakeholders within and outside the
10 Department of Defense, as necessary, to identify re-
11 cent militarily-relevant advancements in the field of
12 biotechnology that could potentially be incorporated
13 into exercises.

14 (d) REPORT.—Not later than 180 days after the date
15 of the enactment of this Act, the Chairman of the Joint
16 Chiefs of Staff shall submit to the Committees on Armed
17 Services of the Senate and the House of Representatives
18 a report on the results of the review conducted under sub-
19 section (a). The report shall include—

20 (1) a detailed summary of any recommended
21 modifications to wargaming exercises; and

22 (2) if applicable, a plan for regularly updating
23 the design of such exercises to keep pace with ad-
24 vances in biotechnology.

1 (e) WARGAMING EXERCISE DEFINED.—In this sec-
2 tion, the term “wargaming exercise” means a military ex-
3 ercise conducted to test or improve tactical expertise, and
4 includes the Globally Integrated Wargames.

1 **SEC. 803 [Log 82190]. ESTABLISHING BIOBASED PRODUCT**
2 **MERIT GUIDANCE.**

3 (a) IN GENERAL.—Not later than one year after the
4 date of the enactment of this Act, the Under Secretary
5 of Defense for Research and Engineering, in coordination
6 with the Secretaries of the military departments, shall de-
7 velop and make public available guidance for private enti-
8 ties on how such entities can effectively prove that a
9 biobased product of such entity provides capabilities meet-
10 ing the requirements of the Department of Defense.

11 (b) ANALYSIS.—

12 (1) IN GENERAL.—The Comptroller General of
13 the United States shall conduct an analysis of the
14 process of the Department of Defense for developing
15 requirements to determine if such processes inten-
16 tionally or unintentionally exclude biobased products.

17 (2) REPORT.—Not later than one year after the
18 date of the enactment of this Act, the Comptroller
19 General of the United States shall submit to the
20 congressional defense committees a report on the
21 findings of the analysis conducted under paragraph
22 (1) and, if Comptroller General determines through
23 such analysis that the processes described in such
24 paragraph exclude biobased products, containing rec-
25 ommendations of the Comptroller General to reduce
26 such exclusion.

1 (c) BIOBASED PRODUCT DEFINED.—In this section,
2 the term “biobased product” means a product manufac-
3 tured, produced, or developed through the application liv-
4 ing organisms to alter living or non-living materials.

1 **Subtitle A—Office of the Secretary**
2 **of Defense and Related Matters**

3 **SEC. 901 [Log 82127]. MODIFICATION TO AUTHORITIES OF**
4 **THE UNDER SECRETARY OF DEFENSE FOR**
5 **RESEARCH AND ENGINEERING.**

6 Section 133a(b) of title 10, United States Code, is
7 amended—

8 (1) in paragraph (2), by striking “and” at the
9 end;

10 (2) in paragraph (3), by striking the period at
11 the end and inserting a semicolon; and

12 (3) by adding at the end the following new
13 paragraphs:

14 “(4) having the authority to direct the Secre-
15 taries of the military departments and the heads of
16 other elements of the Department with regard to
17 matters for which the Under Secretary has responsi-
18 bility; and

19 “(5) conducting developmental prototyping, de-
20 signing and executing experiments of prototypes in
21 the field to demonstrate operational relevance to ad-
22 dress joint force capability gaps, and encouraging
23 and supporting the rapid transition of technology
24 from the research and development phase into oper-
25 ational use within the Department.”.

1 **SEC. 902 [Log 82511]. ADDITIONAL AUTHORITIES FOR THE**
2 **OFFICE OF STRATEGIC CAPITAL.**

3 Section 149(e) of title 10, United States Code, is
4 amended—

5 (1) in paragraph (3)(A)(ii)(VI), by striking
6 “Secretary” and inserting “Director”;

7 (2) by amending clause (ii) of paragraph (5)(A)
8 to read as follows:

9 “(ii) The Department of Defense
10 Credit Program Account shall be credited
11 with amounts appropriated pursuant to the
12 authorization of appropriations and fees
13 and payments received under paragraph
14 (6).”;

15 (3) by redesignating paragraphs (6) through
16 (9) as paragraphs (7) through (10), respectively;
17 and

18 (4) by inserting after paragraph (5) the fol-
19 lowing new paragraph:

20 “(6)(A) The Director may charge and collect
21 fees and collect payments to reimburse costs in-
22 curred by the Office in connection with an applica-
23 tion for, or as a condition of an eligible entity receiv-
24 ing or restructuring, capital assistance under this
25 subsection. The Director may set the fees at a level
26 that the Director considers appropriate. Fees and

1 payments received under this paragraph shall be
2 credited to the Department of Defense Credit Pro-
3 gram Account to remain available until expended for
4 costs and expenditures as provided under clauses (ii)
5 through (iv) of paragraph (5)(B).

6 “(B)(i) Except as provided in clause (ii), no
7 fees or payments may be received pursuant to the
8 authority provided under subparagraph (A) as of the
9 date specified in paragraph (10).

10 “(ii) With respect to loan and loan guarantees
11 for which an obligation was incurred prior to the ex-
12 piration date in paragraph (10), the Director may
13 continue to charge and collect fees and cost reim-
14 bursements in connection with such loan and loan
15 guarantee assets until fully collected.”.

1 **SEC. 912 [Log 82411]. AUTHORITY TO ESTABLISH REGIONAL**
2 **OUTREACH CENTERS FOR THE DEFENSE IN-**
3 **NOVATION UNIT.**

4 Section 4127 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) REGIONAL OUTREACH CENTERS.—

11 “(1) IN GENERAL.—The Director may establish
12 and maintain regional offices of the Unit at loca-
13 tions within and outside the United States for pur-
14 poses of conducting outreach to and streamlining
15 interactions between the Unit and the private sector,
16 academia, and other mission partners.

17 “(2) SELECTION CRITERIA AND OTHER GUID-
18 ANCE.—In the event the Director exercises the au-
19 thority to establish and maintain regional offices
20 under paragraph (1), the Director shall—

21 “(A) develop a strategy and criteria for the
22 selection of locations for such offices;

23 “(B) issue any rules, regulations, policies,
24 or guidance necessary for the operation of such
25 offices; and

1 “(C) make the information described in
2 subparagraphs (A) and (B) available on a pub-
3 licly accessible website of the Department of
4 Defense.”.

1 **Subtitle A—Cyber Operations**

2 **SEC. 1501 [Log 82320]. ACCOUNTABILITY OF THE AUTHOR-**
3 **IZATION TO OPERATE PROCESSES.**

4 Section 1522 of the National Defense Authorization
5 Act for Fiscal Year 2025 (Public Law 118-159; 10 U.S.C.
6 2223 note) is amended—

7 (1) in subsection (b)(2)—

8 (A) in subparagraph (C), by striking
9 “and” at the end;

10 (B) in subparagraph (D), by striking the
11 period at the end and inserting a semicolon;
12 and

13 (C) by adding at the end the following new
14 subparagraphs:

15 “(E) defines Department of Defense-wide,
16 mandatory timelines for activities performed by
17 authorizing officials with respect to an Author-
18 ization to Operate for cloud-hosted platforms,
19 services, and applications; and

20 “(F) establishes processes and policies, de-
21 veloped in coordination with the Chief Informa-
22 tion Officers of the military departments, for
23 the boards established in subsections (c) and
24 (d).”;

1 (2) by redesignating subsections (c) and (d) as
2 subsections (e) and (g), respectively;

3 (3) by inserting after subsection (b) the fol-
4 lowing new subsections:

5 “(c) ESTABLISHMENT OF AUTHORITY-TO-OPERATE
6 EXPEDITED APPEALS BOARD FOR THE DEPARTMENT OF
7 DEFENSE.—

8 “(1) IN GENERAL.—Not later than 180 days
9 after enactment of this Act, the Secretary of De-
10 fense shall establish a board, to be known as the
11 ‘Authority-to-Operate Expedited Appeals Board’.

12 “(2) RESPONSIBILITIES.—

13 “(A) IN GENERAL.—The board established
14 under paragraph (1) shall decide whether to
15 grant each Authorization to Operate for which
16 a relevant stakeholder in the Authorization to
17 Operate submission process submits a request
18 in accordance with subparagraph (B) not later
19 than 90 days after the date on which such rel-
20 evant stakeholder submits such request.

21 “(B) SUBMISSION.—A relevant stakeholder
22 in the Authorization to Operate submission
23 process seeking a decision from the board es-
24 tablished under paragraph (1) with respect to

1 an Authorization to Operate may submit a re-
2 quest for such decision to such board if—

3 “(i) a request for such Authorization
4 to Operate was appropriately submitted to
5 the authorizing official for such Authoriza-
6 tion to Operate not less than 180 days
7 prior to the submission to the board; and

8 “(ii) as of the date of such submis-
9 sion, such authorizing official has not
10 made a final decision with respect such
11 Authorization to Operate.

12 “(C) AUTHORIZING OFFICIAL AUTHOR-
13 ITY.—Upon the submission of a request for an
14 Authorization to Operate in accordance with
15 subparagraph (B), the authorizing official for
16 an Authorization to Operate shall cease to have
17 authority to grant or deny such Authorization
18 to Operate.

19 “(3) SUBMISSION FOR CONSIDERATION.—The
20 Secretary of Defense shall ensure that each relevant
21 stakeholder in the Authorization to Operate submis-
22 sion process may submit to the board established
23 under paragraph (1) a request for a decision under
24 paragraph (2).

25 “(4) BOARD REQUIREMENTS.—

1 “(A) MEMBERSHIP.—The board estab-
2 lished under paragraph (1) shall be composed
3 of the following members:

4 “(i) The Chief Information Officer of
5 the Department of Defense.

6 “(ii) The Commander of the United
7 States Cyber Command.

8 “(iii) The Director of the Defense In-
9 formation Systems Agency.

10 “(iv) Any other official determined ap-
11 propriate by the chair of such board.

12 “(B) CHAIR.—The chair of the board es-
13 tablished under paragraph (1) shall be the
14 Chief Information Officer of the Department of
15 Defense.

16 “(C) FREQUENCY.—The board established
17 under paragraph (1) shall meet not less than
18 frequently than quarterly.

19 “(5) EXISTING FORUM.—

20 “(A) IN GENERAL.—The Secretary of De-
21 fense may designate a body in the Department
22 of Defense to carry the responsibilities de-
23 scribed in paragraph (2) if—

1 “(i) the body so designated is in exist-
2 ence as of the date of the enactment of
3 this subsection: and

4 “(ii) the responsibilities of such body
5 relate to managing risks for information
6 technologies.

7 “(B) EFFECTS.—If the Secretary of De-
8 fense designates a body under subparagraph
9 (A)—

10 “(i) paragraph (1) shall not apply
11 with respect to the Secretary; and

12 “(ii) such body shall be deemed to be
13 a board established in such military de-
14 partment under paragraph (1) for the pur-
15 poses of paragraphs (2) and (3).

16 “(C) DISSOLUTION.—If the body des-
17 ignated by the Secretary of Defense under this
18 paragraph ceases to exist or becomes perma-
19 nently unable to carry out the responsibilities
20 described in paragraph (2), the Secretary may
21 designate another body in the Department of
22 Defense to carry out such responsibilities or es-
23 tablish a board in accordance with paragraph
24 (1), except that the Secretary shall establish
25 such board not later than 180 days after the

1 date on which the body designated by the Sec-
2 retary under this paragraph ceases to exist or
3 becomes permanently unable to carry out such
4 responsibilities.

5 “(d) ESTABLISHMENT OF AUTHORITY-TO-OPERATE
6 EXPEDITED APPEALS BOARD FOR THE MILITARY DE-
7 PARTMENTS.—

8 “(1) IN GENERAL.—Not later than 180 days
9 after enactment of this Act, each Secretary of a mili-
10 tary department shall establish in such military de-
11 partment a board.

12 “(2) RESPONSIBILITIES.—

13 “(A) IN GENERAL.—Each board estab-
14 lished in a military department under para-
15 graph (1) shall decide whether to grant each
16 Authorization to Operate for which a relevant
17 stakeholder in the Authorization to Operate
18 submission process submits a request in accord-
19 ance with subparagraph (B) not later than 90
20 days after the date on which such relevant
21 stakeholder submits such request.

22 “(B) SUBMISSION.—A relevant stakeholder
23 in the Authorization to Operate submission
24 process seeking a decision from a board estab-
25 lished in a military department under para-

1 graph (1) with respect to an Authorization to
2 Operate may submit a request for such decision
3 to such board if—

4 “(i) a request for such Authorization
5 to Operate was appropriately submitted to
6 the authorizing official for such Authoriza-
7 tion to Operate not less than 180 days
8 prior to the submission to the board;

9 “(ii) the Authorization to Operate is
10 for an information system of such military
11 department; and

12 “(iii) as of the date of such submis-
13 sion, the authorizing official for such Au-
14 thorization to Operate has not made a
15 final decision with respect such Authoriza-
16 tion to Operate.

17 “(C) AUTHORIZING OFFICIAL AUTHOR-
18 ITY.—Upon the submission of a request for an
19 Authorization to Operate in accordance with
20 subparagraph (B), the authorizing official for
21 an Authorization to Operate shall cease to have
22 authority to grant or deny such Authorization
23 to Operate.

24 “(3) SUBMISSION CAPABILITY.—The Secretary
25 concerned for a military department shall ensure

1 that each relevant stakeholder in the Authorization
2 to Operate submission process may submit to the
3 board established in such military department under
4 paragraph (1) a request for a decision under para-
5 graph (2).

6 “(4) BOARD REQUIREMENTS.—

7 “(A) MEMBERSHIP.—A board established
8 in a military department under paragraph (1)
9 shall be composed of the following members:

10 “(i) The Chief Information Officer of
11 such military department.

12 “(ii) The service acquisition executive
13 of such military department.

14 “(iii) The commanders of the relevant
15 service cyber components.

16 “(iv) Any other official determined ap-
17 propriate by the chair of such board.

18 “(B) CHAIR.—The chair of a board estab-
19 lished in a military department under para-
20 graph (1) shall be the Chief Information Officer
21 of such military department.

22 “(C) FREQUENCY.—Each board estab-
23 lished under paragraph (1) shall meet not less
24 than frequently than quarterly.

25 “(5) EXISTING FORUM.—

1 “(A) IN GENERAL.—The Secretary of a
2 military department may designate an body in
3 such military department to carry the respon-
4 sibilities of described in paragraph (2) if—

5 “(i) the body so designated is in exist-
6 ence as of the date of the enactment of
7 this subsection: and

8 “(ii) the responsibilities of such body
9 relate to managing risks for information
10 technologies.

11 “(B) EFFECTS.—If the Secretary of a
12 military department designates a body under
13 subparagraph (A)—

14 “(i) paragraph (1) shall not apply
15 with respect to such Secretary; and

16 “(ii) such body shall be deemed to be
17 a board established in such military de-
18 partment under paragraph (1) for the pur-
19 poses of paragraphs (2) and (3).

20 “(C) DISSOLUTION.—If the body des-
21 ignated by the Secretary of a military depart-
22 ment under this paragraph ceases to exist or
23 becomes permanently unable to carry out the
24 responsibilities described in paragraph (2), the
25 Secretary may designate another body in such

1 military department to carry out such respon-
2 sibilities or established a board in accordance in
3 with paragraph (1), except that the Secretary
4 shall establish such board not later than 180
5 days after the date on which the body des-
6 ignated by the Secretary under this paragraph
7 ceases to exist or becomes permanently unable
8 to carry out such responsibilities.”; and

9 (4) by inserting after subsection (e), as so re-
10 designated, the following new subsection:

11 “(f) BIENNIAL REPORT.—

12 “(1) IN GENERAL.—Not later than six months
13 after the date of the enactment of this subsection,
14 and every six months thereafter under October 1,
15 2031, the Secretary of Defense shall submit to the
16 congressional defense committees a report on activi-
17 ties under this section in the six-month period end-
18 ing on the date of the submission of such report.

19 “(2) CONTENTS.—Each report required under
20 paragraph (1) shall include, for the period covered
21 by such report—

22 “(A) the number of new Authorizations to
23 Operate;

24 “(B) the number of Authorizations to Op-
25 erate evaluated;

1 “(C) the number of requests for Authoriza-
2 tions to Operate that were denied;

3 “(D) the number of requests for Author-
4 izations to Operate submitted to the board es-
5 tablished under subsection (c);

6 “(E) the number of requests for Author-
7 izations to Operate resolved by the board estab-
8 lished under subsection (c);

9 “(F) the number of requests for Authoriza-
10 tions to Operate submitted to a board estab-
11 lished under subsection (d);

12 “(G) the number of requests for Author-
13 izations to Operate resolved by a board estab-
14 lished under subsection (d);

15 “(H) the average length of time required
16 for a capability to receive an Authorization to
17 Operate in accordance with the organization’s
18 implementation of the risk management frame-
19 work publish by the National Institution of
20 Standards and Technology in NIST Special
21 Publication 800-37, or any amendatory or su-
22 perseding document thereto;

23 “(I) the number of Authorizations to Oper-
24 ate issued pursuant to the policy of required by
25 subsection (b);

1 “(J) the number of requested reciprocal
2 Authorizations to Operate denied due to insuffi-
3 ciency of supporting evidence; and

4 “(K) a narrative summary identifying defi-
5 ciencies in Bodies of Evidence packages that
6 prevented an authorizing official from adopting
7 the security analysis and artifacts, as appro-
8 priate, of a cloud-hosted platform, service, or
9 application that has already been authorized by
10 another authorizing official in the Department
11 of Defense in accordance with the policy re-
12 quired by subsection (b).”.

1 **SEC. 1502 [Log 82332]. ASSESSMENT OF CYBER OPER-**
2 **ATIONAL SUPPORT TO GEOGRAPHIC COM-**
3 **BATANT COMMANDS.**

4 (a) REPORTS.—Not later than one year after the date
5 of the enactment of this Act, each commander of a unified
6 combatant command, other than the Commander of the
7 United States Cyber Command, shall submit to the con-
8 gressional defense committees a report assessing the suffi-
9 ciency of support provided by the Commander of United
10 States Cyber Command in carrying out the mission of
11 such unified combatant command.

12 (b) ELEMENTS.—Each report submitted by a com-
13 mander of a unified combatant command under subsection
14 (a) shall include an evaluation of—

15 (1) the ability of the United States Cyber Com-
16 mand and the service cyber components to provide
17 to such combatant command capabilities that align
18 with the operational requirements of such com-
19 mander, including capabilities to support such com-
20 mander acting with respect to targets on the joint
21 integrated prioritized target list of such commander;
22 and

23 (2) such other matters as determined appro-
24 priate by such commander.

1 **Subtitle B—Cybersecurity**

2 **SEC. 1511. [Log 82318] ANNUAL REPORT ON WEAPON SYS-** 3 **TEMS DATA ACCESSIBILITY AND SECURITY.**

4 (a) IN GENERAL.—Not later than April 30, 2026,
5 and annually thereafter until September 30, 2030, the
6 Secretary of Defense, in coordination with the Secretary
7 of the Army, Secretary of the Navy, and Secretary of the
8 Air Force, shall submit to the congressional defense com-
9 mittees a report analyzing the weapons platforms of the
10 Department of Defense that lack onboard, real-time cyber-
11 security capabilities.

12 (b) ELEMENTS.—Each annual report submitted
13 under subsection (a) shall include, for each weapons plat-
14 form analyzed in such report, the following:

15 (1) An explanation of why onboard, real-time
16 cybersecurity capabilities have not yet been inte-
17 grated into such weapons platform.

18 (2) An estimate of the cost to implement on-
19 board, real-time cybersecurity capabilities into such
20 weapons platform to enable monitoring and detection
21 of cyber intrusions.

22 (3) A timeline, correlated with the cost estimate
23 required under paragraph (2), to implement on-
24 board, real-time cybersecurity capabilities across the

1 entire inventory of the Department of Defense of
2 such weapons platform.

3 (c) ONBOARD, REAL-TIME CYBERSECURITY CAPA-
4 BILITIES DEFINED.—In this section, “onboard, real-time
5 cybersecurity capabilities” means technologies integrated
6 into a weapons platform that mitigate cyber risks to oper-
7 ation, including serial bus monitoring capabilities or
8 runtime application self-protection capabilities.

1 **SEC. 1512. [Log 82581] INCORPORATION OF ARTIFICIAL IN-**
2 **TELLIGENCE CONSIDERATIONS INTO AN-**
3 **NUAL CYBERSECURITY TRAINING.**

4 (a) IN GENERAL.—Not later than one year after the
5 date of the enactment of this Act, the Secretary of De-
6 fense, acting through the Chief Information Officer of the
7 Department of Defense, shall revise the mandatory annual
8 training on cybersecurity for members of the Armed
9 Forces and civilian employees of the Department of De-
10 fense to include content related to the unique cybersecu-
11 rity challenges posed by the use of artificial intelligence.

12 (b) BRIEFINGS.—Not later than 90 days after the
13 date of the enactment of this Act, and every 90 days there-
14 after until the training described in subsection (a) has
15 been revised as required by such subsection, the Chief In-
16 formation Officer of the Department of Defense shall pro-
17 vide to the Committees on Armed Services of the House
18 of Representatives and Senate a briefing on the progress
19 of such revision.

1 **Subtitle C—Information**
2 **Technology and Data Management**

3 **SEC. 1521. [Log 82364] BIOLOGICAL DATA FOR ARTIFICIAL**
4 **INTELLIGENCE.**

5 (a) AI ACCESSIBILITY TO QUALIFIED BIOLOGICAL
6 DATA RESOURCES.—

7 (1) IN GENERAL.—Not later than one year
8 after the enactment of this Act, the Secretary of De-
9 fense shall develop and implement requirements that
10 ensure qualified biological data resources created by
11 research entirely funded by the Department of De-
12 fense are collected and stored in a manner that fa-
13 cilitates the use of such qualified biological data re-
14 sources for advanced computational methods, includ-
15 ing artificial intelligence.

16 (2) RULES OF REQUIREMENTS.—The require-
17 ments implemented under subsection (a) shall in-
18 clude the following:

19 (A) A definition of the term “qualified bio-
20 logical data resource” for the purposes of such
21 requirements, which shall be based on one or
22 more of the following criteria:

23 (i) The type of biological data gen-
24 erated.

1 (ii) The size of collection of such bio-
2 logical data.

3 (iii) The amount of Federal funds
4 awarded to the research that created such
5 qualified biological data resource.

6 (iv) The level of sensitivity of the bio-
7 logical data generated.

8 (v) Any other factor determined ap-
9 propriate by the Secretary of Defense.

10 (B) Guidance on the metrics and metadata
11 included under such requirements to indicate
12 data quality, including usability, interoper-
13 ability, and completeness.

14 (C) Requirements for tiered levels of cyber-
15 security safeguards and access controls for the
16 storage of biological data.

17 (D) Exceptions to such requirements, in-
18 cluding for biological data that may implicate
19 national security.

20 (E) Requirements for the protection of the
21 privacy of individuals.

22 (b) CONSULTATION.—In developing and imple-
23 menting the requirement under subsection (a), the Sec-
24 retary shall consult with the Secretaries of the Armed
25 Forces, the heads of the research laboratories of each of

1 the Armed Services, and private sector and academia re-
2 cipients of funding for research from the Department of
3 Defense to ensure that such requirements are not overly
4 burdensome.

5 (c) REPORT.—Not later than one year after the date
6 of the enactment of this Act, and annually thereafter, the
7 Secretary shall submit to Congress a report describing the
8 progress made in developing and implementing the re-
9 quirements under subsection (a), including—

- 10 (1) the quantity of the biological data generated
11 and stored in accordance with such requirement and
12 accessible through application programming inter-
13 faces;
- 14 (2) user engagement with biological data in ac-
15 cordance with such requirements.

1 **Subtitle D—Artificial Intelligence**

2 **SEC. 1531 [Log 82326]. ARTIFICIAL INTELLIGENCE AND MA-** 3 **CHINE LEARNING SECURITY IN THE DEPART-** 4 **MENT OF DEFENSE.**

5 (a) CYBERSECURITY POLICY FOR ARTIFICIAL INTEL-
6 LIGENCE AND MACHINE LEARNING USE.—

7 (1) IN GENERAL.—Not later than 180 days
8 after the date of enactment of this Act, the Sec-
9 retary of Defense shall develop and implement a De-
10 partment-wide policy for the cybersecurity and gov-
11 ernance of artificial intelligence and machine learn-
12 ing, as well as the models for artificial intelligence
13 and machine learning used in national defense appli-
14 cations.

15 (2) POLICY ELEMENTS.—The policy required
16 under paragraph (1) shall address the following:

17 (A) Protection against security threats spe-
18 cific to artificial intelligence and machine learn-
19 ing, including model serialization attacks, model
20 tampering, data leakage, adversarial prompt in-
21 jection, model extraction, model jailbreaks, and
22 supply chain attacks.

23 (B) Use of cybersecurity measures
24 throughout the life cycle of systems using artifi-
25 cial intelligence or machine learning.

1 (C) Adoption of industry-recognized frame-
2 works to guide the development and implemen-
3 tation of artificial intelligence and machine
4 learning security best practices.

5 (D) Standards for governance, testing, au-
6 diting, and monitoring of systems using artifi-
7 cial intelligence and machine learning to ensure
8 the integrity and resilience of such systems.

9 (E) Training requirements for the work-
10 force of the Department of Defense to ensure
11 personnel are prepared to identify and mitigate
12 vulnerabilities that are specific to artificial in-
13 telligence and machine learning.

14 (3) REVIEW AND REPORT.—

15 (A) REVIEW.—The Secretary of Defense
16 shall conduct a comprehensive review to identify
17 and assess the effectiveness of the artificial in-
18 telligence and machine learning cybersecurity
19 and governance practices of the Department of
20 Defense.

21 (B) REPORT.—

22 (i) IN GENERAL.—Not later than Au-
23 gust 31, 2026, the Secretary of Defense
24 shall submit to the Committees on Armed
25 Services of the House of Representatives

1 and the Senate a report on the findings of
2 the review conducted under subparagraph
3 (A).

4 (ii) CONTENTS.—The report required
5 under clause (i) shall include—

6 (I) an assessment of the current
7 security practices for artificial intel-
8 ligence and machine learning across
9 the Department of Defense;

10 (II) an assessment of the cyber-
11 security risks posed by the use of au-
12 thorized and unauthorized artificial
13 intelligence software, including models
14 developed by companies headquartered
15 in or operating from foreign countries
16 of concern, by the Department;

17 (III) an identification of gaps in
18 the existing security measures of the
19 Department related to threats specific
20 to the use of artificial intelligence and
21 machine learning;

22 (IV) an analysis of the potential
23 of security management, access, and
24 runtime capabilities for artificial intel-
25 ligence in the commercial sector for

1 use by the Department to defend sys-
2 tem using artificial intelligence from
3 threats, minimize data exposure re-
4 sulting from the use of such systems,
5 and maintain the trustworthiness of
6 applications of the Department that
7 use artificial intelligence;

8 (V) an evaluation of the align-
9 ment of the policies of the Depart-
10 ment with industry frameworks;

11 (VI) recommend actions to en-
12 hance the security, integrity, and gov-
13 ernance of artificial intelligence and
14 machine learning models used by the
15 Department; and

16 (VII) an identification of any ad-
17 ditional authorities, resources, or leg-
18 islative actions required for the De-
19 partment to effectively implement ar-
20 tificial intelligence and machine learn-
21 ing model security policy required by
22 paragraph (1).

23 (b) BILL OF MATERIALS FOR ARTIFICIAL INTEL-
24 LIGENCE.—

1 (1) IN GENERAL.—Any policy, regulation, guid-
2 ance, or requirement issued by the Department of
3 Defense relating to the use, submission, or mainte-
4 nance of a software bill of materials shall also apply
5 to an artificial intelligence software bill of materials,
6 to the extent practicable, for all artificial intelligence
7 systems, models, and software used, developed, or
8 procured by the Department.

9 (2) IMPLEMENTATION AND OVERSIGHT.—Not
10 later than 180 days after the date of enactment of
11 this Act, the Secretary of Defense, acting through
12 the Chief Digital and Artificial Intelligence Officer
13 of the Department of Defense and Chief Information
14 Officer of the Department of Defense, shall revise
15 the regulations, guidance, and policies of the De-
16 partment of Defense to comply with paragraph (1),
17 including guidance and standards for artificial intel-
18 ligence software bill of materials, in accordance with
19 the best practices for software bill of materials.

20 (3) REPORT.—Not later than one year after the
21 date of the enactment of this Act, the Secretary of
22 the Department of Defense shall submit to the Com-
23 mittees on Armed Services of the House of Rep-
24 resentatives and the Senate a report on—

1 (A) the status of the implementation of re-
2 quirements for artificial intelligence software
3 bill of materials under this subsection, including
4 challenges, recommendations, and potential leg-
5 islative or regulatory modifications needed to
6 enhance the effectiveness of such implementa-
7 tion;

8 (B) the feasibility and necessity to update
9 Department of Defense Instruction 5000.87,
10 Operation of the Software Acquisition Pathway
11 (October 2, 2020) and the software acquisition
12 pathway established under section 3603 of title
13 10, United States Code, with requirements for
14 artificial intelligence software bill of materials
15 and more detailed software bill of materials in
16 the procurement of software, hardware, artifi-
17 cial intelligence technologies, and cryptographic
18 technologies; and

19 (C) the estimated costs for the implemen-
20 tation of the policies for artificial intelligence
21 software bill of materials and more detailed
22 software bill of materials required under this
23 subsection and described in subparagraph (B),
24 including for any new systems or investments
25 required to support greater implementation and

1 adoption by the Department of Defense of arti-
2 ficial intelligence.

3 (c) DEFINITIONS.—In this section:

4 (1) The terms “artificial intelligence” and “ma-
5 chine learning” have the meanings given such terms,
6 respectively, in section 5001 of the National Artifi-
7 cial Intelligence Initiative Act of 2020 (15 U.S.C.
8 9401).

9 (2) The term “artificial intelligence software
10 bill of materials” means the records kept in the nor-
11 mal course of business that identify each component,
12 library, and dependency comprising an artificial in-
13 telligence software application.

14 (3) The term “software bill of materials” means
15 the records kept in the normal course of business
16 that identify each component, library, and depend-
17 ency comprising a software application.

1 **SEC. 1532 [Log 82351]. PILOT PROGRAM FOR DATA-EN-**
2 **ABLED FLEET MAINTENANCE.**

3 (a) IN GENERAL.—Not later than 90 days after the
4 date of the enactment of this Act, the Secretary concerned
5 for a covered armed force, in consultation with the Chief
6 Digital and Artificial Intelligence Officer of the Depart-
7 ment of Defense, shall establish in such covered armed
8 force a pilot program under which the covered armed force
9 shall use commercially available artificial intelligence tech-
10 nologies to improve the maintenance of ground vehicles
11 performed by such covered armed force.

12 (b) OBJECTIVES.—Under the pilot program estab-
13 lished under subsection (a), the Secretary concerned
14 shall—

15 (1) assess the feasibility and effectiveness of ar-
16 tificial intelligence-driven approaches in improving
17 maintenance regimes for ground vehicles;

18 (2) assess the cost savings resulting from the
19 use of artificial intelligence technology for the main-
20 tenance of ground vehicles; and

21 (3) identify and mitigate potential challenges
22 and risks associated with the integration of artificial
23 intelligence technology for modernized maintenance
24 of ground vehicles, including cybersecurity concerns.

25 (c) REPORT.—Not later than one year after the date
26 of the enactment of this Act, each Secretary concerned

1 for a covered armed force shall submit to Committees on
2 Armed Services of the House of Representatives and the
3 Senate a report on the activities performed under the pilot
4 program established under subsection (a) in such covered
5 armed force.

6 (d) TERMINATION.—The authority to carry out a
7 pilot program under subsection (a) shall terminate on Jan-
8 uary 1, 2029.

9 (e) DEFINITIONS.—In this section:

10 (1) The term “covered armed force” means the
11 Army, Navy, or Air Force.

12 (2) The term “Secretary concerned” has the
13 meaning given such term in section 101(a) of title
14 10, United States Code.

1 **SEC. 1533 [Log 82895]. GENERATIVE ARTIFICIAL INTEL-**
2 **LIGENCE FOR NATIONAL DEFENSE.**

3 (a) IN GENERAL.—Subject to the availability of ap-
4 propriations, the Secretary of Defense shall carry out not
5 less than two and not more than 12 generative artificial
6 intelligence efforts to enhance the national security of the
7 United States and the capabilities of the Department of
8 Defense and to accelerate the adoption to generative artifi-
9 cial intelligence capabilities at the Department of Defense.

10 (b) DESIGNATION OF RESPONSIBLE ORGANIZA-
11 TION.—Not later than 180 days after the date of the en-
12 actment of this Act, the Secretary of Defense shall des-
13 ignate an organization in the Department of Defense
14 which shall be responsible for managing and coordinating
15 the efforts under subsection (a).

16 (c) SCOPE.—In managing the efforts under sub-
17 section (a), the head of the organization designated under
18 subsection (b), in coordination with the Chairman of the
19 Joint Chiefs of Staff and the commanders of the combat-
20 ant commands, shall evaluate how generative artificial in-
21 telligence can enhance the efficiency and improve the mis-
22 sion effectiveness of the Department of Defense with re-
23 spect to the following:

24 (1) Damage assessment from battlefield im-
25 agery and video.

26 (2) Human and machine teaming interfaces.

- 1 (3) Cybersecurity.
- 2 (4) Mission analysis.
- 3 (5) Order of battle.
- 4 (6) Mission planning.
- 5 (7) Intelligence collection and analysis.
- 6 (8) Any other areas the Chairman of the Joint
- 7 Chiefs of Staff or the commanders of the combatant
- 8 commands determine appropriate in addressing ex-
- 9 isting or anticipated mission requirements of the De-
- 10 partment of Defense.

1 **SEC. 1833.[Log 82219] REQUIREMENTS FOR MODULAR OPEN**
2 **SYSTEM APPROACH AND MODIFICATIONS TO**
3 **RIGHTS IN TECHNICAL DATA.**

4 (a) REQUIREMENTS FOR MODULAR OPEN SYSTEM
5 APPROACH.—Section 4401 of title 10, United States
6 Code, is amended to read as follows:

7 **“§ 4401. Requirement for modular open system ap-**
8 **proach**

9 “(a) REQUIREMENT.—The Secretary of Defense shall
10 ensure that a covered system to be procured is designed
11 and developed, to the maximum extent practicable, with
12 a modular open system approach.

13 “(b) ASSESSMENT TO INFORM STRATEGY.—Before
14 designing or developing a covered system, the Secretary
15 of Defense shall conduct an assessment to identify the
16 open systems objectives to be achieved by the design and
17 development of the covered system. Such assessment shall
18 identify and document how such approach would—

19 “(1) support the objectives of the defense acqui-
20 sition system established pursuant to section 3102 of
21 this title;

22 “(2) align with the preference for the acquisi-
23 tion of commercial products in section 3453 of this
24 title to retain, to the maximum extent practicable,
25 the commercial viability of subsystems and compo-
26 nents of the covered system;

1 “(3) reduce the complexity and increase the
2 speed by which new technology can be integrated
3 into a covered system to enhance military effective-
4 ness and responsiveness to emerging threats;

5 “(4) enable the use of iterative development cy-
6 cles and discontinue or terminate the development of
7 capabilities—

8 “(A) that no longer align with approved
9 capability requirements (as defined in section
10 181 of this title) or priorities; or

11 “(B) that are experiencing significant cost
12 growth, performance deficiencies, or delays in
13 schedule;

14 “(5) promote a robust and responsive defense
15 industrial base, and foster competition amongst
16 offerors of subsystems and components of the cov-
17 ered system through the life cycle of the covered sys-
18 tem, especially at the module level;

19 “(6) reduce schedule delays and development
20 timelines;

21 “(7) increase and enable interoperability of a
22 covered system with the joint force as changes to
23 force design evolve; and

24 “(8) enable effective life-cycle management and
25 product support of a covered system—

1 “(A) in accordance with the requirements
2 of section 4322 **【log 82283】** of this title; and

3 “(B) to ensure that the covered system will
4 meet applicable operational readiness require-
5 ments (as defined in such section 4322) and
6 materiel readiness objectives (established under
7 section 118(c) of this title) in the most cost-ef-
8 fective manner practicable.

9 “(c) ARCHITECTURE REQUIREMENTS.—(1) In devel-
10 oping an architecture for the procurement of a covered
11 system using a modular open system approach, the Sec-
12 retary shall ensure that the architecture—

13 “(A) adequately designates and defines mod-
14 ules, module interfaces, key interfaces, and openness
15 characteristics of the covered system necessary to
16 achieve the open systems objectives described in sub-
17 section (b);

18 “(B) to the extent practicable, is based on—

19 “(i) widely accepted, consensus-based
20 standards that are available at no cost or under
21 fair and reasonable license terms; or

22 “(ii) if such standards are not available or
23 suitable, incremental standards that define rela-
24 tionships between module interfaces and key
25 interfaces; and

1 “(C) is designed and developed to accelerate the
2 procurement and integration of commercial products
3 as modules, module interfaces, and key interfaces.

4 “(2) The Secretary shall consider input from private
5 entities as early as possible to inform decisions regarding
6 the level in the architecture at which a modular open sys-
7 tem approach will be implemented for a covered system.

8 “(3) The architecture described in this subsection
9 shall be included in any draft and final solicitations for
10 procurement of a covered system.

11 “(d) OPENNESS CHARACTERISTICS.—Consistent with
12 the requirements of subchapter I of chapter 275 of this
13 title, the Secretary shall include in the solicitation for the
14 covered system a description of the desired openness char-
15 acteristics of the covered system necessary to achieve the
16 open systems objectives described in subsection (b), in-
17 cluding the following:

18 “(1) The open systems objectives identified as
19 result of the assessment required by subsection (b).

20 “(2) A description of the application of speci-
21 fications or standards for module interfaces to
22 achieve such objectives.

23 “(3) A description of the minimum technical
24 data package elements necessary to achieve such ob-
25 jectives.

1 “(4) The desired license rights in module inter-
2 faces or key interfaces based on such objectives, in-
3 cluding desired license rights to enable the replace-
4 ment of a module or module interface with an alter-
5 native or new module or module interface.

6 “(e) APPLICABILITY TO COMMERCIAL PRODUCTS.—
7 In applying the requirements of this section to a covered
8 system that includes a commercial product, the Secretary
9 of Defense shall—

10 “(1) implement modular open system ap-
11 proaches in accordance with such approaches used in
12 the ordinary course of business for such commercial
13 product on the commercial marketplace;

14 “(2) for a commercial product that is commer-
15 cial technical data or commercial software, procure
16 such commercial product under license terms similar
17 to such terms that are customarily provided to the
18 public, unless the Secretary has specifically nego-
19 tiated different license terms;

20 “(3) when applicable, obtain the delivery of
21 commercial software development kits with license
22 rights necessary to support the desired openness
23 characteristics for the covered system; and

24 “(4) to the maximum extent practical, conduct
25 negotiations for desired license rights in accordance

1 with the preference for specially negotiated licenses
2 in section 3774(c) of this title.

3 “(f) DEFINITIONS.—In this section:

4 “(1) The term ‘covered system’ means a system
5 acquired or developed under—

6 “(A) an acquisition program of the De-
7 partment of Defense; or

8 “(B) a research and development program
9 of the Department to address a capability re-
10 quirement or joint capability requirement (as
11 defined in section 181 of this title).

12 “(2) The term ‘incremental standard’ means a
13 specification for a module interface or key interface
14 that includes—

15 “(A) software-defined syntax and prop-
16 erties that specifically govern how values are
17 validly passed and received between subsystems
18 and components in machine-readable format;

19 “(B) a machine-readable definition of the
20 relationship between the module interface or
21 key interface and existing common standards or
22 interfaces available in Department databases;
23 and

24 “(C) documentation with functional de-
25 scriptions of software-defined interfaces, con-

1 veying semantic meaning of elements of the
2 module interface or key interface.

3 “(3) The term ‘key interface’ means a shared
4 boundary between any system, subsystem of a cov-
5 ered system, or set of modules, defined by various
6 physical, logical, functional characteristics, such as
7 electrical, mechanical, fluidic, optical, radio fre-
8 quency, data, networking, or software.

9 “(4) The term ‘modular open system approach’
10 means the application of a strategy that leverages an
11 architecture that enables modules to be incremen-
12 tally added, removed, or replaced throughout the life
13 cycle of the covered system to achieve a set of objec-
14 tives.

15 “(5) The term ‘module’ means a self-contained
16 functional hardware or software unit—

17 “(A) that can be developed, tested, and de-
18 ployed independently of a module interface or
19 key interface; and

20 “(B) that can simultaneously interact with
21 another self-contained functional hardware or
22 software unit described in subparagraph (A)
23 through a module interface or key interface.

24 “(6) The term ‘module interface’ means a
25 shared boundary between modules, defined by phys-

1 ical, logical, and functional characteristics, such as
2 electrical, mechanical, fluidic, optical, radio fre-
3 quency, data, networking, or software.

4 “(7) The term ‘software development kit’ means
5 a collection of software tools and programs such as
6 libraries, application programming interfaces, inte-
7 grated development environments, testing tools, or
8 documentation used to create applications that are
9 appropriate for a specific software platform.”.

10 (b) GUIDANCE.—Not later than 180 days after the
11 date of the enactment of this Act, the Secretary of Defense
12 shall issue guidance to carry out the requirements of sec-
13 tion 4401 of title 10, United States Code, as amended by
14 this section.

15 (c) APPLICABILITY.—The requirements of section
16 4401 of title 10, United States Code, as amended by this
17 section, shall apply with respect to a contract entered into
18 on or after the date of the enactment of this Act.

19 (d) MODIFICATION TO RIGHTS IN TECHNICAL
20 DATA.—

21 (1) RIGHTS IN TECHNICAL DATA.—Section
22 3771 of title 10, United States Code, is amended—

23 (A) in subsection (a)—

1 (i) in paragraph (2)(A), by striking “
2 or copyrights” and inserting “, copyrights,
3 trade secrets,”; and

4 (ii) by adding at the end the following
5 new paragraph:

6 “(3) ENFORCEMENT OF CERTAIN RIGHTS.—
7 Regulations prescribed under paragraph (1) may not
8 affect or limit any right described in paragraph
9 (2)(A) or the ability of a contractor or subcontractor
10 to enforce such a right against a third party that
11 has not otherwise obtained a license for such a right
12 from the United States or from the contractor or
13 subcontractor.”; and

14 (B) in subsection (b)—

15 (i) in paragraph (2), by striking
16 “paragraphs (3), (4), and (7),” and insert-
17 ing “paragraphs (3) and (4),”;

18 (ii) by amending paragraph (3) to
19 read as follows:

20 “(3) INAPPLICABILITY OF PARAGRAPH (2).—
21 Unless otherwise negotiated, paragraph (2) does not
22 apply to technical data that—

23 “(A) constitutes a correction or change to
24 data furnished by the United States; or

1 “(B) is otherwise publicly available or has
2 been released or disclosed by the contractor or
3 subcontractor without restriction on further re-
4 lease or disclosure.”;

5 (iii) by amending paragraph (4) to
6 read as follows:

7 “(4) EXCEPTIONS TO PARAGRAPH (2).—(A)
8 Notwithstanding paragraph (2), unless otherwise ne-
9 gotiated, the United States shall have government
10 purpose rights, in perpetuity, in technical data
11 that—

12 “(i) relates to form, fit, or function of an
13 item or process; or

14 “(ii) is necessary for operation, mainte-
15 nance, installation, or training (other than de-
16 tailed manufacturing or process data) of an
17 item or process.

18 “(B) Notwithstanding paragraph (2), the
19 United States may release or disclose technical data
20 to persons outside the Government, or permit the
21 use of technical data by such persons, if such re-
22 lease, disclosure, or use—

23 “(i) is necessary for emergency repair and
24 overhaul;

1 “(ii) is a release or disclosure of technical
2 data (other than detailed manufacturing or
3 process data) to, or use of such data by, a for-
4 eign government, where such release or disclo-
5 sure is in the interest of the United States and
6 is required for evaluation or informational pur-
7 poses;

8 “(iii) is made subject to a prohibition that
9 the person to whom the data are released or
10 disclosed may not further release, disclose, or
11 use such data; and

12 “(iv) the contractor or subcontractor as-
13 serting the restriction is notified of such re-
14 lease, disclosure, or use.”;

15 (iv) in paragraph (6)—

16 (I) in the paragraph heading, by
17 striking “INTERFACES” and inserting
18 “MODULE INTERFACES OF AN ITEM”;

19 (II) by inserting “, in per-
20 petuity,” after “government purpose
21 rights”; and

22 (III) by striking “an interface be-
23 tween an item or process and other
24 items or processes” and inserting “a
25 module interface of an item”; and

1 (v) in paragraph (7)—

2 (I) in the paragraph heading, by
3 striking “MODULAR SYSTEM INTER-
4 FACES” and inserting “KEY INTER-
5 FACES OF AN ITEM”;

6 (II) in subparagraph (A)—

7 (aa) by striking “paragraphs
8 (2) and (5)” and inserting “para-
9 graph (5) and except as other-
10 wise provided by subsection (e) of
11 section 4401 of this title,”;

12 (bb) by inserting “, in per-
13 petuity,” after “government pur-
14 pose rights”; and

15 (cc) by striking “modular
16 system interface” and inserting
17 “key interface of an item”;

18 (III) in subparagraph (B), by
19 striking “modular system interface”
20 and inserting “a key interface”; and

21 (IV) in subparagraph (C), by
22 striking “modular system interface”
23 and inserting “key interface of an
24 item”.

1 (2) DEFINITIONS.—Section 3775(b) of title 10,
2 United States Code, is amended to read as follows:

3 “(b) ADDITIONAL DEFINITIONS.—In this subchapter,
4 the terms ‘key interface’, ‘modular open system approach’,
5 ‘module interface’ have the meanings given, respectively,
6 in section 4401 of this title.”.

7 (e) CONFORMING AMENDMENTS.—

8 (1) Section 3791(c)(1) of title 10, United
9 States Code, is amended—

10 (A) in subparagraph (A), by striking “sec-
11 tion 4401(b) of this title” and inserting “sec-
12 tion 4401 of this title”; and

13 (B) in subparagraph (D)(iv), by striking
14 “modular system interfaces (as defined in sec-
15 tion 4401(b) of this title)” and inserting “mod-
16 ule interfaces (as defined in section 4401(f) of
17 this title)”.

18 (2) Section 4402 of title 10, United States
19 Code, is repealed.

20 (3) Section 4403 of title 10, United States
21 Code, is repealed.

22 (4) Section 4425 of title 10, United States
23 Code, is amended to read as follows:

24 **“§ 4425. Definitions**

25 **“In this subchapter:**

1 “(1) The term ‘major system platform’ means
2 the highest level structure of a major weapon system
3 that is not physically mounted or installed onto a
4 higher level structure and on which a major system
5 component can be physically mounted or installed.

6 “(2) The term ‘weapon system component’—

7 “(A) means a high level subsystem or as-
8 sembly, including hardware, software, or an in-
9 tegrated assembly of both, that can be mounted
10 or installed on a major system platform through
11 a key system interface (as defined in section
12 4401(f) of this title); and

13 “(B) includes a subsystem or assembly
14 that is likely to have additional capability re-
15 quirements, is likely to change because of evol-
16 ving technology or threat, is needed for inter-
17 operability, facilitates incremental deployment
18 of capabilities, or is expected to be replaced by
19 another subsystem or assembly described in
20 subparagraph (A).”.

21 (5) Section 804 of the National Defense Au-
22 thorization Act for Fiscal Year 2021 (10 U.S.C.
23 4401 note) is repealed.

1 **SEC. 1834.[Log 82204] BRIDGING OPERATIONAL OBJEC-**
2 **TIVES AND SUPPORT FOR TRANSITION PRO-**
3 **GRAM.**

4 (a) BRIDGING OPERATIONAL OBJECTIVES AND SUP-
5 PORT FOR TRANSITION PROGRAM.—

6 (1) ESTABLISHMENT.—In meeting the respon-
7 sibilities of the Defense Innovation Unit under sec-
8 tion 4127(d) of title 10, United States Code, the Di-
9 rector of the Defense Innovation Unit shall establish
10 a program (to be known as the “Bridging Oper-
11 ational Objectives and Support for Transition pro-
12 gram”) to accelerate the adoption or integration of
13 commercial technologies into programs of record of
14 the Department of Defense.

15 (2) PROGRAM EXECUTION.—Not later than 90
16 days after the date of the enactment of this sub-
17 section, the Director shall issue guidance on the
18 BOOST program, including guidance to do the fol-
19 lowing:

20 (A) Enable a customer seeking a tech-
21 nology solution for a challenge or requirement
22 in a program of record of the Department of
23 Defense to request assistance under the
24 BOOST program with identifying and adopting
25 or integrating such a solution into such pro-
26 gram.

1 (B) Establish requirements for the Defense
2 Innovation Unit to—

3 (i) conduct a review of commercial
4 technologies pursuant to a request de-
5 scribed in subparagraph (A) with respect
6 to a challenge or requirement of a program
7 of record of the Department to identify
8 commercial technology that may address
9 such challenge or requirement;

10 (ii) provide to the customer that made
11 such request the findings of such review,
12 including any commercial technologies so
13 identified; and

14 (iii) at the request of such customer
15 after providing such findings to such cus-
16 tomer, conduct development, experimen-
17 tation, or integration activities in coordina-
18 tion with such customer to support or en-
19 able the adoption or integration of any
20 commercial technology so identified into
21 such program of record.

22 (C) Establish criteria for terminating as-
23 sistance under the BOOST program for a cus-
24 tomer or with respect to a commercial tech-
25 nology.

1 (3) SUPPORT TO OTHER PROGRAMS.—The Di-
2 rector shall ensure the BOOST program works with
3 and in support of—

4 (A) the program established under section
5 4061(a) of title 10, United States Code;

6 (B) other organizations of the Department
7 of Defense responsible for accelerating the
8 adoption and integration of technology in sys-
9 tems or programs of the Department;

10 (C) the Small Business Innovation Re-
11 search Program;

12 (D) the Small Business Technology Trans-
13 fer Program; and

14 (E) the Joint Rapid Acquisition Cell (as
15 described in the Department of Defense Direc-
16 tive 5000.71 titled “Rapid Fulfillment of Com-
17 batant Commander Urgent Operational Needs”
18 (August 24, 2012)).

19 (4) FUNDING.—Subject to the availability of
20 appropriations, amounts authorized to be appro-
21 priated the Defense Innovation Unit for research,
22 development, test, and evaluation for a fiscal year
23 may be used for such fiscal year to carry out the
24 BOOST program.

1 (5) SUNSET.—The authorities and require-
2 ments under this subsection shall expire on Decem-
3 ber 31, 2030.

4 (b) REPORTING.—Not later than two years after the
5 date of the enactment of this Act, the Secretary of De-
6 fense, in coordination with the Under Secretary of Defense
7 for Acquisition and Sustainment and the Director, submit
8 to the congressional defense committees a report on the
9 effectiveness of the BOOST program in accelerating the
10 adoption or integration of commercial technologies into
11 programs of record of the Department of Defense, includ-
12 ing—

13 (1) a summary description of customers and
14 technologies adopted or integrated into such pro-
15 grams of record based on assistance provided under
16 the BOOST program;

17 (2) recommendations of the Secretary to im-
18 prove the BOOST program; and

19 (3) a recommendation whether to continue or
20 terminate the BOOST program.

21 (c) DEFINITIONS.—In this section:

22 (1) The term “BOOST program” means the
23 program established under subsection (a)(1).

24 (2) The term “customer” means a program
25 manager or program executive officer of the Depart-

1 ment of Defense that has primary responsibility for
2 fielding the system or systems acquired.

3 (3) The term “Director” means the Director of
4 the Defense Innovation Unit.

5 (4) The term “program executive officer” has
6 the meaning given such term in section 1737(a) of
7 title 10, United States Code.

8 (5) The terms “Small Business Innovation Re-
9 search Program” and “Small Business Technology
10 Transfer Program” have the meanings given such
11 terms, respectively, in section 9(e) of the Small
12 Business Act (15 U.S.C. 638(e)).

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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

Army Research on Electromagnetic Pulse Weapon Threats

The committee understands the potential threat that electromagnetic pulse (EMP) weapons could pose to Department of Defense systems and domestic critical infrastructure. The committee is aware of efforts by the Army Research Laboratory and academia to study EMP effects and develop technologies and countermeasures to improve the ability to protect against such effects. The committee therefore directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services not later than February 15, 2026, on how the Army Research Laboratory works with academic partners to advance the Department of the Army's understanding of EMP effects and countermeasures.

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, AIR FORCE

Items of Special Interest

Extended-Capability High-Energy Laser

The committee recognizes the potential for high energy lasers (HEL) deployed on long-endurance airborne platforms to contribute to the defense of the homeland and close gaps in current missile defense architectures. The committee also notes the need for further maturation of key technologies, particularly beam control capabilities suitable for laser sources above 500 kilowatts. Therefore, 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, 2025, describing HEL enabling technologies that have transitioned in the past five years or are planned to transition within the next five years to test on airborne platforms or representative surrogates, as well as options and associated resourcing requirements for transition effort acceleration.

Integration of Airborne Augmented Reality

The committee notes the potential for innovative technologies such as airborne augmented reality to modernize and improve pilot training, and believes that such technologies could also assist in mission scenario rehearsal and visualization for operational units. The committee is aware that the Air Force is

currently engaged in efforts to develop and mature augmented reality technologies, including through Small Business Innovation Research grants, and encourages the Air Force to continue resourcing these efforts. 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, 2025, describing current Air Force efforts regarding airborne augmented reality systems, the technological maturity of such systems, and the potential impact of such systems on pilot training, including any opportunities for, and challenges to, their integration and validation.

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, DEFENSE-WIDE

Items of Special Interest

Advanced Radioisotope Power Systems

The committee recognizes the need for long-duration, resilient energy sources to support military operations in harsh and remote environments. The committee is aware that advanced radioisotope power systems, including both radioisotope thermal generators and radioisotope heater units, offer long-lasting, low-maintenance power and heating without frequent resupply.

The committee notes the potential for novel radioisotope production methods, such as compact fusion systems designed to generate high-energy neutrons, to enable on-demand edge production of radioisotopes and reduce reliance on centralized or foreign supply chains. The committee believes that this approach could broaden the range of viable isotopes beyond plutonium and strontium, including to isotopes with short half-lives and minimal shielding requirements, and that such developments could expand the operational utility of radioisotope power systems in expeditionary settings.

The committee therefore directs the Under Secretary of Defense for Research and Engineering to provide a briefing to the House Committee on Armed Services by December 1, 2025. The briefing should describe:

- (1) current and potential radioisotope power systems suitable for military use;
- (2) viable isotopes for such systems and their potential production methods, including fusion-based neutron generation;
- (3) the feasibility of compact, forward-deployable production systems;
- (4) relevant foreign developments; and
- (5) the potential for such systems to fulfill relevant Department of Defense needs and requirements or enable novel capabilities.

Aluminum-Scandium Alloy Prototype Parts Development and Demonstration

The committee is aware of potential efforts to support domestic sourcing of scandium oxide. The committee notes the possibility that such domestic sourcing at a sufficient level of annual production could be sufficient to accelerate development

of a complete domestic supply chain for scandium products, including aluminum-scandium alloys, which have important applications for defense, aerospace, and space, and whose use has to date been supply-limited. The committee encourages the Department to utilize available tools and authorities, such as those provided to the Defense Logistics Agency and the Office of Strategic Capital, to evaluate and appropriately resource development and demonstration activities that would enable rapid exploitation of scandium alloys in relevant programs should expanded domestic sourcing become available. The committee directs the Deputy Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2026, containing an assessment of projected potential utilization of aluminum-scandium alloys and other scandium derivatives for defense programs.

Bioindustrial Manufacturing Innovation Institute

The committee is aware that the BioIndustrial Manufacturing and Design Ecosystem (BioMADE), the Department of Defense's Manufacturing Innovation Institute for bioindustrial manufacturing, involves nearly 300 members across 37 states, including industry leaders, academic institutions, and Government officials. The committee recognizes BioMADE's important responsibility to develop a network of open-access, precommercial bioindustrial facilities, and believes that this initiative is a critical enabler of a stronger U.S. bioindustrial manufacturing sector, a more robust biomanufacturing workforce, and a more advanced defense industrial base.

The committee believes that effective execution of BioMADE's mandate is critical to maintaining U.S. defense and strategic advantage. Therefore, in addition to the requirements of section 215 of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023 (Public Law 117-263), the committee directs the Under Secretary of Defense for Research and Engineering to submit a report to the House Committee on Armed Services not later than February 1, 2026, describing BioMADE execution details. This report shall be unclassified but may include a classified annex. The report should include:

- (1) an assessment of statutory barriers impeding the use of congressionally appropriated funds to build facilities;
- (2) an explanation of BioMADE's role in achieving Department of Defense objectives, and of Department plans to utilize BioMADE;
- (3) the average time required for BioMADE to execute contracts, from solicitation closure to award receipt;
- (4) a list of current BioMADE awardees;
- (5) details of all BioMADE grants made, planned, or in execution for the preceding fiscal year and the Future Years Defense Program, including amounts, purposes, execution timelines, and budget allocations over time;
- (6) site selection decisions, criteria, processes, and timelines for facility construction;

- (7) grant award selection decisions, criteria, processes, timelines, and communication mechanisms for members;
- (8) membership structure and benefits, and their impact on access and payment for infrastructure usage;
- (9) timeframes for integrating new members into the network; and
- (10) mechanisms for interagency collaboration, particularly with regard to Department of Energy National Laboratories and precommercial infrastructure.

Biotechnology Research Collaboration

The committee believes biotechnology to be a key emerging technology area for future U.S. military advantage. The committee is aware that, as a fundamentally multidisciplinary technology area, collaboration is fundamental for advancing the technology, encouraging innovation, maximizing investments, and reducing duplication.

However, the committee is concerned that the current complex process for biotechnology collaboration may stifle cooperation and result in a more siloed ecosystem. The committee has observed evidence that collaborations between research laboratories, regardless of whether they are intra- or inter-service, are difficult to initiate due to the long negotiation process for terms and issues, such as the ownership of any resulting intellectual property. The committee is concerned that these unnecessary barriers may slow biotechnology innovations that could enable important future military capabilities.

Therefore, the committee directs the Under Secretary of Defense for Research and Engineering to provide a briefing to the House Committee on Armed Services not later than December 1, 2025, on the Department of Defense's efforts and progress toward enhancing inter-service and inter-department cooperation on biotechnology research. The briefing should include:

- (1) any past efforts to streamline inter-service and inter-department collaboration in biotechnology, as well as any lessons learned from those efforts;
- (2) Department efforts to streamline, standardize, and update the existing memorandum of understanding process between relevant entities, especially between the military services' research laboratories;
- (3) a description of any roadblocks, including statutory issues, preventing a more streamlined collaboration process related to biotechnology and how the Department might overcome those roadblocks, or a description of any statutory relief needed; and
- (4) the predicted timelines for updating and streamlining such collaboration processes.

Defense Advanced Research Projects Agency Biotechnology Programs

The committee is aware of past programs undertaken by the Defense Advanced Research Projects Agency (DARPA) intended to explore and strengthen supply chains, such as LogX, Open Price Exploration for National Security, and

Resilient Supply-and-Demand Networks, which have developed novel technology tools to analyze and diagnose threats or vulnerabilities, provide projections and prognoses, and stress-test supply chains to assess resilience levels.

Building on these efforts, and in acknowledgment of the specific needs for biotechnology supply chain resilience, the committee supports further efforts by DARPA and elsewhere in the Department of Defense on supply chains, especially programs that could be relevant to emerging technologies such as biotechnology. In particular, the committee encourages additional efforts to develop better understanding of complex supply chains and promote biotechnology as a solution to supply chain challenges, such as the Environmental Microbes as a BioEngineering Resource program.

Therefore, the committee directs the Director of DARPA to provide a briefing to the House Committee on Armed Services, not later than July 1, 2026, on:

- (1) efforts to expand programs focused on understanding complex supply chains and solving supply chain challenges, particularly those related to biotechnology;
- (2) barriers to additional programs in understanding complex supply chains and solving such supply chain challenges for biotechnology; and
- (3) efforts to promote biotechnology as a solution to supply chain challenges.

Defense Innovation Unit Geographic Expansion

The committee recognizes the ability of the Defense Innovation Unit (DIU) to further the United States' diplomatic and strategic interests around the world. However, the committee believes that limitations such as staffing headcount and constrained budgets mean that DIU must be strategic and deliberate in its partnerships and office locations, both domestically and internationally.

Therefore, the committee directs the Director of DIU to submit a report to the House Committee on Armed Services by March 15, 2026, detailing a comprehensive set of criteria for selecting future DIU international or domestic locations, partnerships, military embeds, or liaison officers. The criteria shall align with the National Defense Strategy and should include, but is not limited to, the following:

- (1) alignment with the Administration and national security guidance;
- (2) alignment with the Department of Defense's needs to ensure locations and partnerships support emerging operational requirements and long-term capability needs of the Department;
- (3) proximity to innovation hubs such as universities, research institutions, private sector technology ecosystems with relevance to Department modernization priorities, Federal Government innovation organizations, or other DIU or defense innovation community of entity locations;
- (4) assessment of existing Federal, State, and local innovation ecosystems to avoid duplication and ensure efficient use of available resources and presence across the United States;

- (5) expected near- and long-term outcomes for defense innovation;
- (6) workforce and talent pool availability;
- (7) potential for public-private collaboration;
- (8) geographic and strategic distribution;
- (9) existing U.S. military presence;
- (10) resource availability, including for establishment and sustainment cost, infrastructure, and workforce requirements; and
- (11) any other relevant elements identified by the Director.

Fusion Energy and Domestic Energy Supply Chain

The committee is aware of near-term developments in fusion energy technology maturation that could result in commercialization and opportunities to scale or focus such technologies to support Department of Defense objectives and missions. The committee believes that, as fusion energy technologies mature, a strong and globally competitive domestic industrial base would be advantageous to U.S. national security. The committee is therefore concerned about the possibility that certain elements of the fusion energy supply chain may become dependent on foreign sources of materials or components, and that the rapid pace of technology development may outstrip the ability of the Department of Defense to analyze, monitor, and react to supply chain uncertainties. In particular, the committee notes that certain fusion technologies have achieved commercial readiness to a level sufficient for completion of Power Purchase Agreements with private sector customers, but that the Department of Defense has yet to sufficiently articulate objectives, requirements, and metrics for fusion technologies.

The committee therefore directs the Secretary of Defense to provide a report to the House Committee on Armed Services not later than January 30, 2026 containing:

- (1) opportunities and objectives for Department adoption of fusion energy technologies of varying capabilities;
- (2) obstacles to fusion energy adoption, including statutory, regulatory, and other matters;
- (3) an analysis of key attributes and metrics necessary for adoption of fusion energy technologies;
- (4) an overview of essential fusion supply chain components and critical materials, including an analysis of the current availability of these materials through domestic or trusted partner supply chains;
- (5) an overview of Department stakeholders for fusion energy technology adoption; and
- (6) an overview of the regulatory environment governing development, testing, adoption, and deployment of fusion energy technologies for national security purposes.

Integrated Hypersonic Propulsion

The committee supports the Defense Advanced Research Projects Agency's plans to begin development of a reusable hypersonic aircraft demonstrator in fiscal year 2027. The committee notes that development of an integrated hypersonic propulsion system capable of operating across the speed ranges necessary for reusable hypersonic flight is critical to the success of a potential program. Further, the committee recognizes recent technology breakthroughs related to propulsion system transitions from supersonic to hypersonic flight that may provide greater range and operational capability to reusable hypersonic aircraft. The committee believes that further investment in fiscal year 2026 in these technologies and associated risk reduction activities is necessary in preparation for the demonstrator program.

Therefore, the committee directs the Secretary of Defense, in coordination with the Under Secretary of Defense for Research and Engineering, to provide a briefing to the House Committee on Armed Services not later than December 1, 2025, to include:

- (1) the Department's reusable hypersonic propulsion strategy, including the acquisition strategy for a demonstrator;
- (2) details of the technologies under development to increase the efficiency and reliability of a reusable hypersonic propulsion system and the projected impact of such technologies on the operational capability; and
- (3) the transition plan of the reusable hypersonic aircraft from demonstrator to production.

Military Use of Hypersonic Aircraft

The committee remains concerned that the United States may lag in the development of hypersonic aircraft relative to countries of concern. The committee believes that hypersonic aircraft could provide expanded opportunities for responsive power projection at range and speed, and therefore believes that a comprehensive plan to develop, procure, utilize, and sustain hypersonic aircraft and their enabling technologies is essential in order to avoid technological disadvantage in future conflicts. The committee, therefore, encourages the Department of Defense to continue and expand its investment in hypersonic aircraft development to enable future technological advantage for the United States.

Accordingly, the committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services not later than February 1, 2026, on plans for development of military-use hypersonic aircraft. The report shall include, but is not be limited to:

- (1) a roadmap for the development, demonstration, and integration of hypersonic aircraft and enabling technology to support national security objectives;
- (2) an evaluation of current Department of Defense and U.S. Government testing facilities and their ability to support the cadence and complexity of anticipated hypersonic weapon and aircraft development programs;

(3) an evaluation of commercial platforms, facilities, and capabilities that could be leveraged to address any Department of Defense testing shortfalls identified in (2); and

(4) an evaluation of associated workforce capacity challenges, if any, associated with hypersonic aircraft development and testing that could be addressed through partnerships with the hypersonic aircraft industrial base and academia.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Items of Special Interest

Holloman High Speed Test Track

The committee is aware of the role of Holloman High Speed Test Track in the testing and evaluation of advanced weapon systems and warfighting capabilities. The committee believes the Holloman High Speed Test Track provides the Department of Defense with uniquely valuable capabilities to validate current and future weapon systems in dynamic and realistic test environments, and represents a national asset that must be preserved and modernized in order to maintain leadership in key technical areas. Given the importance of this infrastructure, 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, 2025, on the Air Force's plan and timeline for construction of a new parallel test track at the Holloman High Speed Test Track.

Multi-Service Advanced Capability Hypersonic Test Bed

The committee supports the efforts of the Department of Defense to create a robust Multi-Service Advanced Capability Hypersonic Test Bed (MACH-TB) in order to rapidly accelerate the development of hypersonic capabilities. The committee is aware that since this effort's inception, multiple Department stakeholders have requested their technology be tested on MACH-TB flights. The committee understands that several strategic nuclear programs have emergent testing demands relevant to MACH-TB capabilities, and notes that hypersonic and strategic weapon systems may operate in a similar regime in terms of physics and data requirements due to their extreme speeds, altitudes, and thermal loadings. The committee believes that MACH-TB provides a cost-effective test platform to collect foundational data for the hypersonic and strategic communities, and applauds the Department's efforts to merge these common testing priorities effectively and efficiently and fulfill them within the MACH-TB program. The committee therefore believes that robust funding of this program is essential to national security and to many of our most vital programs. Therefore, the committee directs the Under Secretary of Defense for Research and Engineering to provide a briefing to the House Committee on Armed Services not later than March 1, 2026,

on the current flight test plan manifest for MACH-TB, including supported programs, and the potential for strategic nuclear programs and homeland missile defense programs to leverage MACH-TB capabilities.

TITLE XV—CYBERSPACE-RELATED MATTERS

ITEMS OF SPECIAL INTEREST

Artificial Intelligence Software for Contract Efficiencies

The committee is encouraged by work currently underway at Army Program Executive Office Enterprise Information Systems (PEO-EIS) to utilize commercially available artificial intelligence (AI)-enabled software to eliminate duplicative software licenses, identify best sources of supply, and enable bulk purchases through contract consolidation. The committee believes that efforts to better leverage AI-enabled software, such as that by PEO-EIS, enable improved effectiveness, speed and efficiency of contracting decisions and could help to reduce duplicative costs. The committee encourages the Army to support and resource broader adoption of software tools to improve contracting and procurement decision-making, including those using artificial intelligence and machine learning.

The committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services not later than February 1, 2026, that describes:

- (1) current commercially available tools for improved contract decision-making and visibility for users;
- (2) projected resourcing and personnel requirements, cost savings, efficiencies, and any cybersecurity or other effects on the contracting enterprise; and
- (3) any relevant timelines for testing and adoption of such technologies.

Cloud Computing, Data Storage Considerations, and Other Related Matters

Given the speed that cloud computing is evolving, the committee is interested to learn how the Department of Defense is positioned to move quickly and securely in capitalizing on these advancements. Risk mitigation measures, such as separation of data, zero trust architecture, and data recovery capabilities, are available to commercial and government customers. However, the speed by which the Department can seize on these capabilities is unclear to the committee. In furthering its oversight, the committee directs the Chief Information Officer of the Department of Defense provide a briefing to the House Committee on Armed Services, not later than May 31, 2026, that includes:

- (1) an assessment of the benefits and costs associated with existing Department of Defense policy regarding data residency;
- (2) existing policy related to data recovery from a cloud outage or malicious cyber attack;

(3) the benefits, costs, and risks associated with changes to Department of Defense policy around data residency and data recovery; and

(4) the Department's overall private cloud strategy, including the status of its implementation of its existing private cloud platform, and potential opportunities for additional private cloud platform implementation.

Containerized Computing within the Department of Defense

The committee is aware of efforts in the Department of Defense, specifically in the Department of the Air Force, to emphasize confidential computing, the technical capacity to ensure that data remains encrypted during processing. The committee understands that this technology can minimize the risks associated with unauthorized access or data breaches by maintaining encryption while the data is in use. Most notably, the committee is cognizant of the Department of the Air Force's Platform One efforts to support and encourage prioritization and utilization of confidential computing. By keeping software data protected throughout its lifecycle, confidential computing can strengthen the overall security of defense operations, ensuring that sensitive information is not exposed during processing. To better understand how other military services are considering confidential computing, the committee directs the Chief Information Officer of the Department of the Army, in coordination with the Chief Information Officer of the Department of the Navy and Chief Information Officer of the Department of the Air Force, to provide a briefing to the House Committee on Armed Services not later than March 1, 2026, on how their offices incorporate confidential computing into existing efforts.

Defense Travel System

The committee is concerned that, despite legislation seeking to address problems with the Defense Travel System (DTS), the Department of Defense is not postured to advance the state of a critically important business system. The present iteration of DTS remains anchored in outmoded technologies and processes which consume the time of uniformed and civilian personnel to an unnecessary degree. The committee continues to express the view that alternative and commercially available technologies can be quickly procured which address many of the inefficiencies of the current system. The committee directs the Under Secretary of Defense for Personnel and Readiness to submit a report to the House Committee on Armed Services not later than May 1, 2026, that includes:

- (1) an evaluation of the costs and efforts of available technologies to replace the existing DTS architecture;
- (2) estimated timelines and schedules of the effort; and
- (3) an analysis of the procurement vehicles to be leveraged for the DTS replacement.

Enterprise-wide Artificial Intelligence Infrastructure

The committee asserts the view that the Department of Defense's use of Artificial Intelligence (AI) will only be successful with the establishment of enterprise-wide infrastructure, applications, and tools. Over the course of multiple years, Congress has mandated a range of efforts and initiatives designed to expand AI infrastructure, AI adoption, and AI expertise across the Department of Defense. Despite these requirements, the rate of adoption and adaptation has not matched the scale of the challenge. The committee directs the Chief Digital and Artificial Intelligence Officer of the Department of Defense to submit a report to the House Committee on Armed Services not later than March 1, 2026, which addresses the status of the following:

(1) enterprise-wide Data Repositories for AI (Section 232 of the National Defense Authorization Act for Fiscal Year 2022, as amended by Section 212 of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023);

(2) the Digital Development Infrastructure Plan & Working Group (Section 1531(d)(2)(C) of the National Defense Authorization Act for Fiscal Year 2022, as amended by Sec. 212 of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023);

(3) implementation Plan for the Talent Management of Digital Expertise and Software Professionals (Section 230(b) of the National Defense Authorization Act for Fiscal Year 2020); and

(4) Artificial Intelligence Education Strategy (Section 256 of the National Defense Authorization Act for Fiscal Year 2020).

Insider Threat Detection

The committee commends the Department of Defense on implementation of efforts to mitigate risk of insider threat through the use of innovative technologies. However, the committee believes there is an ability for the Department to further reduce risk with a more comprehensive use of insider threat detection technologies. The committee directs the Department of Defense Chief Information Officer, in coordination with the Under Secretary of Defense for Intelligence and Security, to submit a report to the House Committee on Armed Services not later than July 1, 2026, that provides an analysis of the Department's use and implementation of technologies to address requirements established in Section 1086 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). This analysis shall address advancements in technology which could further mitigate risk of insider threat and an associated cost-benefit analysis.

Legacy Technologies and the Effect on the Department of Defense

The committee recognizes that technical debt is a known challenge for the agile acquisition of both software intensive systems and networking hardware infrastructure. The committee sought to address technical debt, specifically through section 1522 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117-81), by requiring the Department to address the issue; however,

insufficient progress has been made to date. The committee is concerned that the Department of Defense and the military services are either unwilling or incapable of tackling the matter with the attention necessary to identify outmoded and legacy systems, plan for modernization, or establish mitigations required to reduce risk from systems' failures. Moreover, technical debt costs the Department millions of dollars and exacerbates the Department's cyber risk.

Section 1522 of Public Law 117-81 required the Secretaries of the Army, Navy, and Air Force to initiate an effort to identify legacy applications, software, and information technology within their respective Departments and eliminate any such application, software, or information technology that is no longer required.

The committee is alarmed that despite the costs, risks, and congressional mandate, the military departments appear disinterested in the issue. The committee directs the Secretary of the Army, in coordination with the Secretary of the Navy and Secretary of the Air Force, to submit a report to the congressional defense committees, not later than January 31, 2026, that describes, in detail, all efforts taken since the enactment of Public Law 117-81 which align with the direction described under section 1522 of that law. Additionally, the report shall identify those systems, applications, and technologies still in use that have been determined to be end-of-life or end-of-service, as well as a plan to either mitigate the risk of that technology's failure or replace as necessary.

Modular Open Systems Architecture for Mounted Form Factor

The committee commends the Department for progress on implementation of Modular Open Systems Architecture (MOSA) and the United States Army for progress on the Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) Modular Open Suite of Standards Mounted Form Factor (CMFF) procurement. The committee looks forward to the Army's commitment to a long-term resourced program to realize CMFF benefits including reduced size, weight and power of systems, increased capability integration on armored and tactical vehicles and speed of development and technology refresh.

While the committee is encouraged by this progress and the anticipated award of CMFF Block 1, the committee is concerned that the long term CMFF program will experience significant delay without establishment of program security accreditation milestones and firm delivery and fielding dates. The key to achieving program milestone deliveries is a clear CMFF security accreditation strategy for all CMFF delivery blocks.

A prohibitively complicated and unpredictable accreditation process could negatively impact levels on industry engagement and investments and lead to lack of program achievement and accountability. The committee directs the Chief Information Officer of the Department of the Army to submit a report to the House Committee on Armed Services, not later than September 30, 2026, detailing the strategy for how MOSA systems, when applied to C5ISR requirements, are not

inhibited by the Department of Defense Type 1 encryption security accreditation process. This report shall include anticipated timelines for the accreditation process of CMFF systems as well as detail to whether Type 1 encryption will be accredited at the system, subsystem, or component level.

Multi-factor Authentication Across the Department of Defense

The committee is concerned that the Department of Defense is not keeping pace with its civilian agency counterparts when it comes to preventing phishing attacks that seek to compromise authentication. In January 2022, the Office of Management and Budget issued Memorandum 22-09, “Moving the U.S. Government Toward Zero Trust Cybersecurity Principles,” which mandated that all civilian agency staff, contractors, and partners use only phishing-resistant multi-factor authentication (MFA).

While civilian agencies have made great progress since the issuance of Memorandum 22-09 in adopting phishing-resistant authentication, the committee is not aware of commensurate progress in the Department of Defense. While use of the common access card (CAC) is robust, there remains numerous use cases where CAC usage is infeasible: for instance, reservists at home or servicemembers utilizing mobile devices. The committee directs the Chief Information Security Officer of the Department of Defense to provide a briefing to the House Committee on Armed Services not later than July 31, 2026, that provides information on the Department's efforts around MFA.

Navy Efforts to Reduce Telecommunications Vulnerabilities

The committee is concerned about adversarial efforts to compromise Department of Defense mobile telecommunications through the penetration of commercial telecom and wireless companies, compromised call data records, personal device tracking, SIM swap attacks, and other nefarious means. The committee is also aware that the Department of the Navy has been conducting a pilot program to reduce vulnerabilities for telecommunications devices of Navy personnel that utilize the commercial international telecommunications infrastructure in the United States Territory of Guam. The committee has previously requested information regarding the Navy's efforts, but is unsatisfied with responses to date, especially given the increase in state-sponsored cybersecurity attacks. Furthermore, the committee understands and is concerned with the broader global threat to telecommunications devices of Department of Defense personnel. The committee directs the Secretary of the Navy to provide a briefing to the House Committee on Armed Services not later than April 1, 2026, on the following:

(1) preliminary observations and lessons learned from the Navy's Guam cybersecurity pilot program;

(2) the Navy's preliminary assessment of the effectiveness of the cybersecurity technologies employed; and

(3) the Navy's views on the utility of deploying these technologies to other locations and commands.

Strengthening Defense Industrial Base Cybersecurity Resilience

The committee notes that China and other sophisticated adversaries are targeting the U.S. defense industrial base (DIB) with increasing frequency in an effort to steal sensitive data and intellectual property, disrupt supply chains, and compromise critical infrastructure. The committee is encouraged by the success of the National Security Agency (NSA) Cybersecurity Collaboration Center (CCC) in supporting the DIB through services and offerings such as Protective Domain Name Services, attack surface management, and threat intelligence collaboration. The committee expects that the CCC will pursue the expansion of such efforts, due to their value and contributions in mitigating risk. The committee directs the Director of the NSA, in coordination with Chief Information Officer of the Department of Defense, to provide a briefing to the House Committee on Armed Services, not later than March 1, 2026, on the CCC's efforts, its future plans, and current and planned resourcing.

Website Management Across the Department of Defense

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 is disappointed with the slow progress made by the Department of Defense in its cost rationalization for website management. The committee continues to support the compliance and modernization effort, titled "Web Enterprise Business (WEB) NextGen", which would support the Department of Defense's efforts to comply with the 21st Century Integrated Digital Experience Act (IDEA) (Public Law 115-336). 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, 2026, on the progress of WEB NextGen.