

LOG ID	REV	MEMBER	MARKUP LOC	DESCRIPTION	MARKUP ACT
3789	0	DesJarlais, Scott	STR	Requires CJCS, in coordination with the Commander of USNORTHCOM, to submit a report that identifies existing or novel sensor and interceptor capabilities necessary to defend critical infrastructure assets.	EB 1
3799	1	Bacon, Don	STR	Directs the Secretary of Defense to prepare a space and satellite security assessment for allies and partners in the Middle East	EB 1
3811	0	Bacon, Don	STR	Directs the Secretary of the Air Force to submit a briefing on commercial space command and control software	EB 1
3823	1	Lamborn, Doug	STR	PROHIBITION ON ADMITTANCE OF CHINESE AND RUSSIAN NATIONALS TO NATIONAL SECURITY LABORATORIES AND NUCLEAR WEAPONS PRODUCTION FACILITIES.	EB 1
3868	0	Fallon, Pat	STR	This section would direct the Chief of Space Operations to prepare a comprehensive plan for modernizing the satellite control network of the Space Force.	EB 1
3869	0	Fallon, Pat	STR	Language directs SECDEF to provide the committee a briefing on a plan to resource and enable an architecture to connect with operationally relevant interoperability.	EB 1
3874	0	Bergman, Jack	STR	Report on In-Space Servicing, Assembly, and Manufacturing Capabilities	EB 1
3882	2	Gimenez, Carlos A.	STR	Directs the Department to assess the operational impact of persistent elevated network sensors that can identify, classify, and provide firing quality track data to U.S. and allied missile defense systems on air defense missions.	EB 1
3918	0	Bacon, Don	STR	Amends DRL on Space Based Environmental Monitoring to include consideration of commercial capabilities	EB 1
3929	1	Lamborn, Doug	STR	Requires a report on reactivating strategic missile tubes for Ohio-class submarines	EB 1
4012	1	Lamborn, Doug	STR	Requires a report on roles and responsibilities related to defense against hypersonic threats.	EB 1
4037	1	Carbajal, Salud O.	STR	DRL for the NRO's plan to procure more Commercial Synthetic Aperture Radar (COSMAR).	EB 1
4045	0	Carbajal, Salud O.	STR	Identifies and evaluates commercial space situational awareness capabilities enabling low latency video and advanced edge computing to monitor space environments and assets faster across all orbit regimes	EB 1

LOG ID	REV	MEMBER	MARKUP LOC	DESCRIPTION	MARKUP ACT
4173	0	Jackson (TX), Ronny	STR	Requires a briefing on developing resilient positioning, navigation, and timing technologies.	EB 1
4208	1	Garamendi, John	STR	Report on the impact of SLCM-N	EB 1
4224	1	Garamendi, John	STR	Report on Feasibility of a Nunn-McCurdy Process for National Nuclear Security Administration	EB 1
4229	1	Garamendi, John	STR	Adds arms control considerations into section 1622 of base NDAA text.	EB 1
4233	1	Garamendi, John	STR	Report on Sentinel Nunn-McCurdy process	EB 1
4278	1	Houlahan, Chrissy	STR	DRL to Chief of Space Operations for Space Force Acquisition Workforce Plan	EB 1
4323	0	Mace, Nancy	STR	A briefing on the current development, testing, and deployment of hypersonic weapons by the People's Republic of China.	EB 1
4363	0	Lamborn, Doug	STR	Leveraging commercially available threat visualization and simulation capabilities to rapidly develop advanced training capabilities that enable Guardians to develop space warfighting tactics	EB 1
4364	1	Jackson (TX), Ronny	STR	Requires a briefing on the future plans for a new material staging facility at the Pantex Plant.	EB 1
4427	0	Lamborn, Doug	STR	Briefing Requirement on Commercial Satellite Proliferated Low Earth Orbit	EB 1
4449	1	Strong, Dale W.	STR	Directs the Commander of Army Space and Missile Defense Command (SMDC) to provide a briefing on plans to address environmental degradation and modernize facilities for the Ronald Reagan Ballistic Missile Defense Test Site (RTS) at U.S. Army Garrison-Kwajalein Atoll.	EB 1
4472	2	Banks, Jim	STR	Requires a DOD strategy to improve cooperation on joint air and missile defense activities in CENTCOM among U.S. allies and partners to counter future air and missile attacks.	EB 1
4477	1	Carbajal, Salud O.	STR	Request a brief on how the SPACECOM Joint Commercial Operations cell is developing and implementing a hybrid government-commercial space domain awareness force design.	EB 1

LOG ID	REV	MEMBER	MARKUP LOC	DESCRIPTION	MARKUP ACT
4480	1	Garamendi, John	STR	Update to possible alternatives for consideration in the report on the Sentinel Program.	EB 1
4546	1	Moulton, Seth	STR	Requires the Under Secretary of Defense for Acquisition and Sustainment to ensure the maximum feasible opportunity for competition and maximum Federal Government oversight of all three Sentinel program areas, if the program is re-certified following Nunn-McCurdy review	EB 1
4617	0	Rogers, Mike	STR	Adds DRL concerning Air Force Global Strike Command Manning	EB 1

AMENDMENT TO H.R. 8070
OFFERED BY MR. DESJARLAIS OF TENNESSEE

At the appropriate place in title X, insert the following:

1 **SEC. 10 ____ . REPORT ON SENSOR AND INTERCEPTOR CAPA-**
2 **BILITIES NECESSARY TO DEFEND CRITICAL**
3 **INFRASTRUCTURE ASSETS.**

4 Not later than April 1, 2025, the Chairman of the
5 Joint Chiefs of Staff, in coordination with the Commander
6 of United States Northern Command, shall submit to the
7 Committees on Armed Services of the Senate and House
8 of Representatives a report that contains an identification
9 of any existing or new sensor and interceptor capabilities
10 necessary to defend critical infrastructure assets.



AMENDMENT TO H.R. 8070
OFFERED BY MR. BACON OF NEBRASKA

At the appropriate place in title XVI, insert the following:

1 **SEC. 16 ____ . MIDDLE EAST INTEGRATED SPACE AND SAT-**
2 **ELLITE SECURITY ASSESSMENT.**

3 (a) ASSESSMENT.—

4 (1) IN GENERAL.—The Secretary of Defense, in
5 consultation with the Secretary of State, shall con-
6 duct an assessment of space and satellite security
7 for the purpose of identifying mechanisms, such as
8 improved multilateral data sharing agreements, that
9 may be implemented to better protect ally and part-
10 ner countries in the area of responsibility of the
11 United States Central Command from hostile activi-
12 ties conducted by adversaries against space systems
13 of the United States or such countries.

14 (2) MATTERS TO BE INCLUDED.—The assess-
15 ment required by paragraph (1) shall include the fol-
16 lowing:

17 (A) An assessment of the threats posed to
18 the United States and ally or partner countries
19 in the area of responsibility of the United

1 States Central Command by adversaries, includ-
2 ing Iran and its proxies, from conducting hos-
3 tile activities—

4 (i) against space systems of the
5 United States or such countries; and

6 (ii) using capabilities originating from
7 the space domain.

8 (B) A description of progress made in—

9 (i) advancing the integration of coun-
10 tries in the area of responsibility of the
11 United States Central Command, including
12 Israel, into existing multilateral space and
13 satellite security partnerships; and

14 (ii) establishing such partnerships
15 with such countries.

16 (C) A description of efforts among ally and
17 partner countries in the area of responsibility of
18 the United States Central Command to coordi-
19 nate intelligence, reconnaissance, and surveil-
20 lance capabilities and indicators and warnings
21 with respect to the threats described in sub-
22 paragraph (A), and a description of factors lim-
23 iting the effectiveness of such efforts.

24 (D) An assessment of current gaps in the
25 ability of the Department of Defense to provide

1 space situational awareness for allies and part-
2 ners in the area of responsibility of the United
3 States Central Command.

4 (E) A description of multilateral space sit-
5 uational awareness data-sharing agreements
6 and an integrated space and satellite security
7 architecture that would improve collective secu-
8 rity in the area of responsibility of the United
9 States Central Command.

10 (F) A description of current and planned
11 efforts to engage ally and partner countries in
12 the area of responsibility of the United States
13 Central Command in establishing such a multi-
14 lateral space situational awareness data-sharing
15 agreement and an integrated space and satellite
16 security architecture.

17 (G) A description of key challenges in
18 achieving integrated space and satellite security
19 described in paragraph (1) using the metrics
20 identified in accordance with paragraph (3).

21 (H) Recommendations for development
22 and the implementation of an integrated space
23 and satellite security strategy based on such
24 metrics.

1 (I) A cost estimate of establishing an inte-
2 grated space and satellite security strategy, and
3 an assessment of the resources that could be
4 contributed by ally and partner countries of the
5 United States to establish and strengthen such
6 capabilities.

7 (J) Other matters the Secretary of Defense
8 considers relevant.

9 (3) METRICS.—The Secretary of Defense shall
10 identify and propose metrics to assess progress in
11 the implementation of the assessment required by
12 paragraph (1).

13 (b) REPORT.—

14 (1) IN GENERAL.—Not later than one year
15 after the date of the enactment of this Act, the Sec-
16 retary of Defense shall submit to the appropriate
17 committees of Congress a report on the results of
18 the assessment conducted under subsection (a).

19 (2) FORM OF REPORT.—The report required by
20 paragraph (1) shall be submitted in unclassified
21 form but may include a classified annex.

22 (c) PROTECTION OF SENSITIVE INFORMATION.—Any
23 activity carried out under this section shall be conducted
24 in a manner that appropriately protects sensitive informa-

1 tion and the national security interests of the United
2 States.

3 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-
4 FINED.—In this section, the term “appropriate commit-
5 tees of Congress” means—

6 (1) the Committee on Armed Services, the
7 Committee on Appropriations, and the Committee on
8 Foreign Relations of the Senate; and

9 (2) the Committee on Armed Services, the
10 Committee on Appropriations, and the Committee on
11 Foreign Affairs of the House of Representatives.



Amendment to H.R. 8070
Servicemember Quality of Life Improvement and National
Defense Authorization Act for Fiscal Year 2025

Offered by Mr. Bacon of Nebraska

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Commercial Space Command and Control Software

The committee supports the Department of the Air Force's establishment of the Warp Core software platform that utilizes commercial capabilities for data ingestion, processing, analysis, and visualization for space domain awareness (SDA) and space command and control (C2) missions. As the military importance of the space domain expands, the committee encourages the Department to continue leveraging commercial software technologies to accelerate interoperability and efficient data sharing improvements for SDA and C2 operations. Therefore, the committee directs the Secretary of the Air Force to submit to the House Committee on Armed Services a briefing not later than October 1, 2024, on the following:

- (1) the Department of the Air Force's plans to use commercial capabilities to deliver an enterprise data management architecture for space C2 and SDA;
- (2) a review of market research of existing commercial capabilities for an enhanced space data architecture; and
- (3) a summary of plans to integrate commercial capabilities into a future enterprise data architecture, including estimated costs and timelines for delivery to operational users.

AMENDMENT TO H.R. 8070
OFFERED BY MR. LAMBORN OF COLORADO

At the appropriate place in title XXXI, insert the following new section:

1 **SEC. 31 ____ . PROHIBITION ON ADMITTANCE TO NATIONAL**
2 **SECURITY LABORATORIES AND NUCLEAR**
3 **WEAPONS PRODUCTION FACILITIES.**

4 Section 4502 of the Atomic Energy Defense Act (50
5 U.S.C. 2652) is amended—

6 (1) in subsection (a), by inserting “, subject to
7 subsection (b),” after “unless”;

8 (2) by redesignating subsections (b) and (c) as
9 subsections (c) and (e), respectively; and

10 (3) by inserting after subsection (a) the fol-
11 lowing new subsection:

12 “(b) PROHIBITION ON ADMITTANCE.—

13 “(1) IN GENERAL.—Except as provided in para-
14 graph (2), the Secretary of Energy may not admit
15 to any facility of a national security laboratory or
16 any nuclear weapons production facility, other than
17 an area accessible to the general public, any indi-
18 vidual who is a citizen or agent of the People’s Re-
19 public of China or the Russian Federation.

1 “(2) WAIVER.—The Secretary of Energy may
2 waive the prohibition under paragraph (1) with re-
3 spect to an individual if, not later than 30 days prior
4 to admitting such individual to a facility described in
5 such paragraph, the Secretary certifies to the appro-
6 priate congressional committees that—

7 “(A) the admittance of such individual to
8 the facility is in the national security interests
9 of the United States;

10 “(B) no classified or restricted data will be
11 revealed to such individual in connection with
12 the individual’s admittance to the facility; and

13 “(C) a background review has been com-
14 pleted with respect to such individual.”;

15 (4) by inserting after subsection (c), as so re-
16 designated, the following:

17 “(d) RULE OF CONSTRUCTION.—Nothing in this sec-
18 tion shall be construed to prohibit a citizen or lawful per-
19 manent resident of the United States from accessing a na-
20 tional security laboratory or nuclear weapons production
21 facility.”; and

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

23 (A) by redesignating paragraphs (1) and
24 (2) as paragraphs (2) and (3), respectively; and

1 (B) by inserting before paragraph (2), as
2 so redesignated, the following:

3 “(1) The term ‘appropriate congressional com-
4 mittees’ means—

5 “(A) the Committee on Appropriations, the
6 Committee on Armed Services, and the Com-
7 mittee on Energy and Natural Resources of the
8 Senate; and

9 “(B) the Committee on Appropriations, the
10 Committee on Armed Services, and the Com-
11 mittee on Energy and Commerce of the House
12 of Representatives.”.



AMENDMENT TO H.R. 8070
OFFERED BY MR. FALLON OF TEXAS

At the appropriate place in title XVI, insert the following new section:

1 **SEC. 16 ____ . PLAN FOR IMPROVEMENT OF SPACE FORCE**
2 **SATELLITE CONTROL NETWORK.**

3 (a) PLAN REQUIRED.—The Chief of Space Oper-
4 ations, in coordination with the Assistant Secretary of the
5 Air Force for Space Acquisition and Integration, shall pre-
6 pare a comprehensive plan for modernizing the satellite
7 control network of the Space Force. The plan shall in-
8 clude—

9 (1) the actions and resources needed to mod-
10 ernize and sustain a resilient, multi-mission, multi-
11 orbit satellite control network for the Space Force;

12 (2) life-cycle sustainment measures that include
13 technical refresh efforts to enable dynamic space op-
14 erations;

15 (3) assessments of current and planned archi-
16 tectural hardware capabilities, across the range of
17 classification levels, and an explanation of how such
18 capabilities are expected to be addressed in future
19 budget requests;

1 (4) plans for incorporating commercial capabili-
2 ties into the network, as appropriate; and

3 (5) mechanisms through which the Space Force
4 may use existing funding to accelerate the rapid
5 adoption of capabilities and life-cycle sustainment ef-
6 forts to quickly modernize the satellite control net-
7 work.

8 (b) FINAL REPORT.—Following completion of the
9 plan under subsection (a), the Chief of Space Operations
10 shall submit to the Committees on Armed Services of the
11 Senate and the House of Representatives a report that
12 contains the plan.

13 (c) QUARTERLY PROGRESS BRIEFINGS.—Not later
14 than 90 days after the date of the enactment of this Act,
15 and on a quarterly basis thereafter until the date on which
16 the report is submitted under subsection (b), the Chief of
17 Space Operations shall provide to the Committees on
18 Armed Services of the Senate and the House of Represent-
19 atives a briefing on the status of the development of the
20 plan under subsection (a).



AMENDMENT TO H.R. 8070
OFFERED BY MR. FALLON OF TEXAS

At the appropriate place in title XVI, insert the following new section:

1 **SEC. 16__.** **BRIEFING ON SPACE-RELATED WAVEFORM**
2 **AND DATALINK CAPABILITIES.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that—

5 (1) procurement of resilient waveform and
6 datalink capabilities is crucial to fielding operation-
7 ally relevant and interoperable architectures; and

8 (2) the Secretary of Defense should take such
9 actions as are necessary to ensure that all covered
10 communications and datalink waveforms purchased
11 or authorized for use in, from, or to Space, effec-
12 tively operate on at least two different hardware net-
13 work architectures, including field programable gate
14 arrays and central processing units.

15 (b) BRIEFING.—Not later than 60 days after the date
16 of the enactment of this Act, the Chief of Space Oper-
17 ations and the Assistant Secretary of the Air Force for
18 Space Acquisition and Integration shall jointly provide to
19 the Committees on Armed Services of the Senate and the

1 House of Representatives a briefing on a plan to resource
2 and enable an architecture to connect, with operationally
3 relevant interoperability, the following:

4 (1) Communication architectures of the Space
5 Force, including the Space Development Agency
6 Proliferated Warfighter Space Architecture and the
7 United States Space Force Satellite Control Net-
8 work.

9 (2) Protected tactical enterprise services of the
10 United States.

11 (3) Evolved strategic satellite communications.

12 (4) Narrowband satellite communications.

13 (5) Wideband satellite communications.

14 (6) Such other systems as the Chief and Assist-
15 ant Secretary determine appropriate.



Amendment to H.R. 8070

Offered by: Mr. Bergman

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Report on In-Space Servicing, Assembly, and Manufacturing Capabilities

The committee is supportive of ongoing initiatives to cultivate and validate In-Space Servicing, Assembly, and Manufacturing (ISAM) technologies. These capabilities are pivotal for national security, offering enhanced flexibility, resilience, and adaptability in the deployment and modification of space assets. These efforts are critical in addressing the continuously evolving threats and operational demands in space.

The establishment of the Space Access, Mobility, and Logistics program by the Space Force is a commendable step forward. This initiative underscores the importance of mobility and maneuverability in space, laying the groundwork for the United States to maintain a strategic advantage in an increasingly contested domain.

However, the committee expresses significant concerns regarding how the Space Force would operate in the event of an unexpected disruption to space-based capabilities. The dynamic and contested nature of the space environment necessitates robust contingency planning and preparedness to ensure resilience against potential challenges. This issue is further highlighted by recent test events by near-peer competitors to weaponize space.

Recognizing these concerns, the committee stresses the need for additional demonstrations and definitive steps to implementation of next generation ISAM technologies. These demonstrations should focus on showcasing the utility of ISAM in enhancing mobility, maneuverability, improved situational domain awareness and knowledge, and responsiveness of space assets, thereby solidifying the strategic and tactical advantages provided by these capabilities.

The committee directs the Secretary of the Air Force to submit a comprehensive report to the Armed Services Committees of the House and Senate no later than December 1, 2024. This report shall identify:

- 1) The strategic importance of fostering a robust domestic space industrial base for ISAM technologies, detailing the roles and contributions of domestic providers.

- 2) An assessment of the Space Force's Mobility and Maneuver strategies within the ISAM domain, including how these capabilities are being developed and integrated to enhance operational flexibility and strategic positioning.
- 3) Plans and strategies for ensuring the Space Force's resilience and readiness to counter and overcome unexpected disruptions in space-based capabilities.
- 4) A detailed analysis for the continued demonstration of ISAM technologies, emphasizing the expected milestones, objectives, and the integration of these capabilities into broader space operations for strategic and tactical advantages.

Amendment to H.R. 8070

Offered by: Mr. Gimenez of Florida

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

BRIEFING ON PERSISTENT ELEVATED NETWORK SENSORS

The committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than November 1, 2024, on the operational utility, technical applications, and procurement feasibility of deploying persistent elevated network sensors to support air and missile defense capabilities to defend U.S. territory and globally deployed forces. The briefing should include, but not be limited to:

- (1) the utility of using of persistent elevated network sensors for air and missile defense applications, including the operational utility of persistent elevated network sensors that can identify, classify, and provide fire-control quality track data to United States and allied missile defense systems;
- (2) the feasibility and expected cost of developing, procuring, and operating the capabilities described in paragraph (1);
- (3) an assessment of how the capabilities described in paragraph (1) could complement existing air and missile defense capabilities against adversary air-breathing and missile threats;
- (4) a review of how United States technical and procurement support of allied and partner governments in acquiring similar technologies have affected their missile defense capabilities; and
- (5) recommendations that would facilitate the optimal operational employment of the capabilities described in paragraph (1) prior to 2027.

Amendment to H.R. 8070
Servicemember Quality of Life Improvement and National
Defense Authorization Act for Fiscal Year 2025

Offered by Mr. Bacon of Nebraska

Space Based Environmental Monitoring

In the portion of the report to accompany H.R. 8070 titled “Space Based Environmental Monitoring,” insert after “current plans to replace DMSP with a long-term EWS capability”, the following new text: “as well as plans to leverage existing capabilities such as commercial weather satellites and commercial weather data programs to fill immediate gaps.”

In the portion of the report to accompany H.R. 8070 titled “Space Based Environmental Monitoring,” strike after “compare coverage and persistence;”, the following text: “and”, and after “costs for the replacement program” insert the following new text: “; and (4) an assessment of existing and planned commercial capabilities which could help address EWS capability gaps and other validated joint weather requirements.”

Amendment to H.R. 8070

Offered by: Mr. Lamborn

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Report on Strategic Missile Tube Reactivation for Ohio-class Submarines

The committee understands the Navy is considering extending the lives of up to five Ohio-class submarines through Pre-Inactivation Restricted Availabilities (PIRA) to ensure strategic deterrence requirements continue to be met while transitioning to the Columbia-class submarine, beginning in fiscal year 2029. To assess a potential future outside New START Treaty limitations or to address balancing across current Commander, Strategic Command strategic deterrence requirements, the committee directs the Secretary of the Navy, in coordination with the Under Secretary of Defense for Acquisition and Sustainment, the Chairman of the Joint Chiefs of Staff, and Assistant Secretary of Defense for Space Policy, to submit a briefing to the House Committee on Armed Services not later than December 31, 2024, on the feasibility and advisability of reactivating disabled strategic missile launch tubes on submarines selected for PIRA, as part of the PIRA maintenance period. If determined to be feasible, the report shall also include a description of associated costs, including associated components and weapons systems, necessary to operationalize the launch tubes.

AMENDMENT TO H.R. 8070
OFFERED BY MR. LAMBORN OF COLORADO

At the appropriate place in title XVI, insert the following:

1 **SEC. 16. ____ . REPORT ON ROLES AND RESPONSIBILITIES**
2 **RELATING TO DEFENSE AGAINST**
3 **HYPERSONIC THREATS.**

4 (a) FINDINGS.—Congress finds the following:

5 (1) Hypersonic missile threats are expanding,
6 particularly threats posed by China and Russia.

7 (2) To address those growing threats roles and
8 responsibilities must be clearly defined and under-
9 stood.

10 (b) REPORT REQUIRED.—

11 (1) IN GENERAL.—Not later than 180 days
12 after the date of the enactment of this Act, the Sec-
13 retary of Defense shall submit to the Committees on
14 Armed Services of the Senate and House of Rep-
15 resentatives a report describing the roles and re-
16 sponsibilities of organizations of Department of De-
17 fense with respect to defense against hypersonic
18 threats.

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

3 (A) A description of the roles and respon-
4 sibilities of the Office of the Secretary of De-
5 fense, the military departments, the Joint Staff,
6 the combatant commands, Defense Agencies,
7 and Department of Defense Field Activities
8 with respect to defense against hypersonic
9 threats.

10 (B) An assessment of any duplication of
11 effort or gaps identified under paragraph (1).

12 (C) A recommendation with respect to des-
13 ignating a single entity with acquisition author-
14 ity with respect to the capability to defend the
15 homeland from hypersonic threats.

16 (D) Such other matters as the Secretary of
17 Defense considers relevant.

18 (3) FORM.—The report under paragraph (1)
19 shall be submitted in unclassified form, but may
20 contain a classified annex.



Amendment to H.R. 8070

Offered by: Mr. Carbajal

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Sustained Procurement of Commercial Synthetic Aperture Radar

The committee applauds the National Reconnaissance Office's (NRO) ongoing work evaluating commercial remote sensing technologies through the Strategic Commercial Enhancement Program (SCE). The committee notes the purpose of the SCE is to prove capability, not serve as a permanent procurement vehicle for commercial remote sensing. The continued use of the SCE for mature technologies creates an environment of inconsistent and unpredictable funding to meet COCOM requirements for access to SAR data and imagery. Therefore, the committee directs the Director of the NRO, in consultation with the Director of the National Geospatial-Intelligence Agency, to provide a briefing to the House Armed Services Committee by December 15, 2024, on the following:

1. the agency's plan to transition Commercial System Program Office (CSPO) commercial SAR from the SCE to a sustained procurement program under the requirements established by the 2022 Statement of Capabilities for commercial synthetic aperture radar (COMSAR); and
2. the resources necessary to support the implementation of a Radar Commercial Layer in the FY2026 President's budget request.

Amendment to H.R. 8070

Offered by: Mr. Carbajal

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Space Neighborhood Watch

The committee notes that the domestic commercial satellite industry continues to innovate rapidly with new capabilities enabling low latency video and advanced edge computing to monitor space environments and assets faster across all orbit regimes. The committee also notes that in FY2024, it directed the Assistant Secretary of the Air Force for Space Acquisition and Integration, in consultation with the Chief of Space Operations, to identify and evaluate commercial space situational awareness capabilities, and strongly encourages them to develop and implement a plan to integrate commercial near real-time motion imagery intelligence from space into Space Force operational systems. The committee further directs the Chief of Space Operations to brief the House Committee on Armed Services not later than March 31, 2025, on the potential application of domestic commercial high motion video and event-based cameras to space situational awareness.

Amendment to H.R. 8070
National Defense Authorization Act for Fiscal Year 2025

Offered by: Mr. Jackson of Texas

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Developing Resilient Positioning, Navigation, and Timing

The committee notes the importance of Position, Navigation, and Timing (PNT) in military operations. Loss of connection to PNT technologies threatens U.S. critical national infrastructure, challenges communications, and reduces the efficacy of global military operations. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than May 1, 2025, on efforts to prioritize resilient PNT technologies when fielding satellite constellations and satellite communication services and how this supports the Department of Defense's overall mission effectiveness.

Amendment to H.R. 8070

Offered by: Mr. John Garamendi of California

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Report on the Operational Impact of SLCM-N Implementation

The committee directs the Chief of Naval Operations, in coordination with the Vice Chairman of the Joint Chiefs of Staff, the Commander of the United States Strategic Command, the Commander of the United States European Command, and the Commander of the United States Pacific Command, to submit a report to the House Committee on Armed Services by March 1, 2025, to include:

(1) an update with respect to the items described in subparagraphs (C), (D), (E), and (F) of section 1642(b)(2) of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023 (Public Law 117–263; 136 Stat. 2945) and

(2) an assessment of the operational implications for the Navy with respect to allied port calls, homeporting, and readiness if nuclear-armed sea-launched cruise missiles are deployed to naval vessels.

Amendment to H.R. 8070

Offered by: Mr. John Garamendi of California

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Report on Feasibility of a Nunn-McCurdy Process for National Nuclear Security Administration

The committee notes that the National Nuclear Security Administration (NNSA) continues to experience cost growth across many of its programs and construction projects. Unlike the established Nunn-McCurdy Act process that exists within the Department of Defense to control excessive cost growth of programs, NNSA does not have a comprehensive structure to address significant cost growth once a project has begun. Therefore, the Committee directs the Comptroller General of the United States to provide a briefing to the House Armed Services Committee no later than December 31, 2024 on recommendations and options to apply a Nunn-McCurdy-type process for National Nuclear Security Administration (NNSA) to address the significant cost growth being experienced across the entire NNSA enterprise.

AMENDMENT TO H.R. 8070
OFFERED BY MR. GARAMENDI OF CALIFORNIA

In subsection (b) of **section 1622 (Log 80233)**,
insert after paragraph (4) the following new paragraph
(and redesignate accordingly):

- 1 (5) A review of the importance and impact of
2 nuclear risk reduction and arms control.



Amendment to H.R. 8070

Offered by: Mr. John Garamendi of California

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Report on the Sentinel Nunn-McCurdy Process

The committee recognizes the Department of Defense (DOD) is undergoing a review of the Sentinel program in accordance with sections 4371 through 4377 of title 10, United States Code. To ensure compliance with both letter and intent of the Nunn-McCurdy review, the committee directs the Comptroller General of the United States to submit a report to the congressional defense committees by December 1, 2024, assessing whether the Department of Defense conducted a full and thorough assessment throughout the Nun-McCurdy process. The report should include:

- (1) verification of adherence to the Nunn-McCurdy process;
- (2) whether the process included the level of oversight as required by the Nunn-McCurdy Act, section 4376(b) of title 10 United States Code;
- (3) whether a range of alternatives was considered; and
- (4) whether the program clearly identified cost tradeoffs.

Amendment to H.R. 8070

Offered by Rep Chrissy Houlahan from Pennsylvania

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

DRL to Chief of Space Operations for Space Force Acquisition Workforce

As the United States Space Force continues to establish itself, the Committee believes that it should place additional focus on the development of the military and civilian acquisition workforce, to include contracting officers, acquisition program managers, engineers, and program control and finance professionals.

The Committee applauds the efforts by Space Force leadership to establish an independent ethos and emphasize space as a warfighting domain in their stand-up of the new service. However, it is the Committee is concerned that the Space Force may be placing an uneven emphasis on space operations functions, that in the future will likely be primarily executed autonomously, and re-enforcing an old Air Force culture that highlights operations professionals over critical acquisition professionals, which are at the core of delivering critical future capability on-orbit.

Instead, the Committee believes that Space Force should better leverage Guardian expertise to envision, design, and build future capabilities that provide the U.S. an advantage over its adversaries. Winning in a Great Power Competition requires both a cadre of space-focused operations professionals to plan, exercise, and execute exclusively governmental activities, and a space-focused acquisition workforce that has the proficiency to rapidly partner with industry to develop, launch, and operate bespoke systems and leverage commercial capabilities. A space-focused acquisition workforce is critical to achieving goals within the Space Force, Department of the Air Force, and Intelligence Community. Therefore, the Committee directs that the Chief of Space Operations, no later than February 1, 2025, deliver a report to the House Armed Services Committee that addresses the following:

The Chief's plan to:

- 1) expand the Space Force acquisition workforce to include space-focused contracting officers, acquisition program managers, engineers, and program control and finance professionals;
- 2) Ensure early-career acquisition experience and assignments for Guardians, similar to what is envisioned for operational rotations
- 3) ensure acquisition professionals have the same opportunity for career advancement as operators;
- 4) fill joint acquisition assignments, including at the National Reconnaissance Office.

Amendment to H.R. 8070

Offered by: Ms. Mace of South Carolina

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Report on Hypersonic Weapons Development by the People's Republic of China

The committee is concerned by the recent development of hypersonic capable boost-glide ballistic missile and cruise missiles by the People's Republic of China (PRC). The committee directs the Director of the Defense Intelligence Agency, in consultation with the heads of the other elements of the intelligence community that the Director determines appropriate, provide a briefing to the House Committee on Armed Services no later than December 1, 2024, on the current development, testing, and deployment of hypersonic weapons by the PRC.

Amendment to H.R. 8070

Offered by: Mr. Lamborn

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Leveraging Operational Test and Training Infrastructure Insights and Capabilities for National Space Test and Training Complex Testing Requirements

The committee applauds the United States Space Force Space Systems Command (SSC) Program Executive Officer (PEO) for Operational Test and Training Infrastructure (OTTI) for leveraging commercially available threat visualization and simulation capabilities to rapidly develop advanced training capabilities that enable Guardians to develop space warfighting tactics. As the Space Force continues to develop the National Space Test and Training Complex (NSTTC) and its requirements for Space Test and Range environments, the committee encourages the United States Space Force to utilize the training and education capabilities developed by OTTI to inform NSTTC requirements.

Therefore, the committee directs the Chief of Space Operations to provide a briefing to the House Committee on Armed Services not later than December 31, 2024, on plans to incorporate OTTI training and education capabilities into NSTTC as well as how NSTTC will ensure participation by small businesses and leverage leading commercially available solutions to rapidly field capabilities.

Amendment to H.R. 8070

Offered by: Mr. Jackson of Texas

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Material Staging Facility at Pantex

The committee notes the National Nuclear Security Administration's (NNSA) plan to construct a new Material Staging Facility was placed on hold in April 2021, and that NNSA is considering a new path forward for the mission based on a modular approach. Therefore, the committee directs the Administrator for Nuclear Security to provide a briefing to the House Committee on Armed Services not later than December 1, 2024, on future plans to address the material staging needs at the Pantex Plant. This briefing shall include:

- (1) a review of current and future mission needs, including those related to material staging and weapon assembly and disassembly, that are not able to be met by the current staging infrastructure;
- (2) a plan to address mission needs identified in paragraph (1); and
- (3) an estimated cost and schedule of activities described in the plan required in paragraph (2).

Amendment to H.R. 8070

Offered by: Mr. Lamborn

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Commercial Satellite Proliferated Low Earth Orbit

The committee notes the commercial sector is building out large constellations of highly capable commercial satellite data and communications systems in proliferated low earth orbit (LEO), which could provide critical capacity and resilience for current and future requirements of the United States Space Force including point-to-point data communications and coverage at the poles. The committee believes that it would be beneficial if the Proliferated Warfighter Space Architecture the Space Development Agency (SDA) is developing had the ability to be interoperable with commercial space networks to build a resilient, low-latency, high-capacity network for future military communications and data transport. Furthermore, the committee directs the Assistant Secretary of the Air Force for Space Acquisition to provide a briefing to the House Committee on Armed Services not later than December 31, 2024, on efforts to integrate United States commercial satellite systems with the government architecture to augment and build resiliency for secure space-based data and communications. The briefing should include the following:

- (1) Identification of United States commercial satellite networks that could be used to augment SDA's Transport Layer;
- (2) Prioritization of factors for commercial satellite networks to add the greatest value to SDA's transport layer, including data security, point-to-point data transport, and polar coverage; and
- (3) Statutory or regulatory challenges to effectively leverage commercial satellite networks in proliferated LEO.

Amendment to H.R. 8070

Offered by: Mr. Strong

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Ronald Reagan Ballistic Missile Defense Test Site Modernization

The committee recognizes significant contributions of the Ronald Reagan Ballistic Missile Defense Test Site (RTS) to multiple Department of Defense missions and notes the isolated location of the RTS at the U.S. Army Garrison-Kwajalein Atoll, and unique instrumentation systems provide an unmatched test and evaluation (T&E) environment.

However, the committee is concerned that rapidly degrading facilities due to environmental factors and the lack of modernized mission control centers limit the RTS' ability to remain a vital national asset. Additionally, the committee is aware of proposals to upgrade aging T&E infrastructure and facilities at the RTS in a manner that would allow increased test activities, improve information security, reduce the site's overall vulnerability to environmental degradation, and enhance test capabilities through greater sensor distribution and integration.

The committee encourages the Army to appropriately prioritize upgrades to the RTS and to consider novel approaches as part of this effort. Further, the committee directs the Commander, U.S. Army Space and Missile Defense Command, to provide a briefing to the House Committee on Armed Services not later than December 1, 2024, to address environmental degradation and modernize facilities at the RTS.

The briefing should include an assessment of:

- (1) existing RTS mission requirements;
- (2) the ability of the RTS mission control centers to support all necessary levels of classified information;
- (3) the potential benefit of corrosion resistant environmental systems;
- (4) major factors limiting test and evaluation activities;
- (5) prioritized options to improve the site's ability to support mission needs and customer objectives, and increase the operational tempo of test activities; and
- (6) an estimated timelines and costs for such improvements.

AMENDMENT TO H.R. 8070
OFFERED BY MR. BANKS OF INDIANA

At the appropriate place in subtitle B of title XV,
insert the following:

1 **SEC. 15 ____ . STRATEGY TO IMPROVE THE USE OF AIR AND**
2 **MISSILE DEFENSE PARTNER SHARING NET-**
3 **WORK CAPABILITIES WITH ALLIES AND**
4 **PARTNERS IN THE MIDDLE EAST.**

5 (a) IN GENERAL.—Not later than 180 days after the
6 date of the enactment of this Act, the Secretary of Defense
7 shall submit to the congressional defense committees a
8 strategy to improve cooperation with respect to air and
9 missile defense efforts between the Department of Defense
10 and allies and partners of the United States located in
11 the Middle East.

12 (b) CONTENTS.—The strategy submitted pursuant to
13 subsection (a) shall include the following:

14 (1) A summary of ongoing efforts to develop a
15 joint air and missile defense partner-sharing network
16 capability for allies and partners of the United
17 States who are located in the Middle East.

1 (2) A summary of challenges to the develop-
2 ment of such a joint partner-sharing network capa-
3 bility, including partner-nation actions or decisions.

4 (3) Recommendations for actions that can be
5 taken to address the challenges summarized pursu-
6 ant to paragraph (2).

7 (4) Recommendations for applying lessons
8 learned from air and missile attacks by the Islamic
9 Republic of Iran and proxies of the Islamic Republic
10 of Iran on United States forces and forces of allies
11 and partners of the United States following October
12 7, 2023, to the development of such a joint partner-
13 sharing network capability.

14 (5) An assessment of how such a joint partner-
15 sharing network capability could—

16 (A) demonstrate new tools, techniques, or
17 methodologies for data-driven decision making,
18 including capabilities powered by artificial intel-
19 ligence;

20 (B) accelerate sharing of relevant data,
21 data visualization, and data analysis imple-
22 mented through cryptographic data access con-
23 trols and enforcing existing data sharing re-
24 strictions across multiple security levels; and

1 (C) leverage current activities in multi-
2 cloud computing environments to reduce the re-
3 liance on solely hardware-based networking so-
4 lutions.

5 (6) Recommendations for actions that can be
6 taken to develop and integrate such a joint partner-
7 sharing network capability with allies and partners
8 of the United States in the Middle East, including
9 identification of policy, resources, workforce, or
10 other shortfalls.

11 (7) Such other matters as the Secretary con-
12 siders relevant.

13 (c) FORM.—The strategy required by subsection (a)
14 shall be submitted in unclassified form, but may include
15 a classified annex.



Amendment to H.R. 8070

Offered by: Mr. Carbajal

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Leveraging Commercial Space Domain Awareness

The committee recognizes that the U.S. Space Command's Joint Commercial Operations cell (JCO) serves a critical mission to protect and defend space assets, leveraging commercially-available space domain awareness (SDA) data and services. However, the committee is concerned JCO's utilization of shorter-term contracts, combined with the U.S. Space Force's lack of a hybrid government-commercial force design for SDA, constrains the ability of the Department to acquire best-in-class SDA data and services at the best value for the government. The committee emphasizes the need for the Department of Defense and the U.S. Space Force to align their commercial space strategies with procurement practices to ensure effective utilization of commercial SDA data and services. The committee acknowledges the need for budget and acquisition priorities to align with the strategies. The committee is aware of ongoing work by the Department of Commerce's Office of Space Commerce to conduct Traffic Coordination System for Space (TraCSS) Pathfinder projects to assess industry capabilities for SDA, with the eventual goal of utilizing industry capabilities to provide routine catalog maintenance and spaceflight safety functions. The committee is also concerned about the lack of a hybrid government-commercial SDA architecture that identifies requirements which could be fulfilled by commercial capabilities and services. The committee directs the Chief of Space Operations, in consultation with the Assistant Secretary of the Air Force for Space Acquisition and Integration, and the Commander, U.S. Space Command, to provide a briefing to the House Armed Services Committees no later than June 1, 2025, on the following:

1. Current JCO purchase arrangements for SDA data and services and any existing statutory or regulatory impediments to implementing longer-term contracts or purchase agreements;
2. U.S. Space Force plans to develop and implement a hybrid government-commercial space domain awareness force design, including identifying requirements which could be fulfilled by commercial capabilities and services;
3. U.S. Space Force plans to develop and implement supporting SDA systems and infrastructure to include software solutions, data storage, user interface and design.

The report shall be unclassified and may include a classified annex if necessary.

Amendment to H.R. 8070

Offered by: Mr. John Garamendi of California

In the portion of the report to accompany H.R. 8070 titled "Sentinel Missile Program", insert after "road-mobile intercontinental ballistic missile capabilities", the following new text: "life extending one or more wings of the Minuteman III and deploying a mixed fleet of Sentinel and life-extended Minuteman III ICBMs for a period of time".

AMENDMENT TO H.R. 8070
OFFERED BY MR. MOULTON OF MASSACHUSETTS

At the appropriate place in title XVI, insert the following:

1 **SEC. 16 ____ . CONDITIONAL REQUIREMENTS FOR SENTINEL**
2 **MISSILE PROGRAM.**

3 (a) IN GENERAL.—In the event that the Under Sec-
4 retary of Defense for Acquisition and Sustainment elects
5 not to terminate and certifies the continuation of the Sen-
6 tinel missile program pursuant to section 4376(b) of title
7 10, United States Code, then prior to finalizing a revised
8 Milestone B approval for the program the Under Sec-
9 retary shall ensure, to the maximum extent practicable
10 that—

11 (1) the contract structure for the program al-
12 lows for maximum Federal Government oversight
13 of—

14 (A) the Aerospace Vehicle Segment pro-
15 gram area;

16 (B) the Launch Control Center program
17 area; and

18 (C) the Launch Control Facility program
19 area;

1 (2) such Federal Government oversight includes
2 Federal Government control of—

3 (A) preliminary and critical design reviews
4 entrance criteria, exit criteria; and

5 (B) certification of completion at the sub-
6 system level through total system architecture;
7 and

8 (3) there are opportunities for competition
9 throughout the lifecycle of the revised program, in-
10 cluding competition across each of the program
11 areas specified in paragraph (1).

12 (b) REPORT.—If the Under Secretary of Defense for
13 Acquisition and Sustainment certifies the continuation of
14 the Sentinel missile program as described in subsection
15 (a), then not later than 90 days following the date of such
16 certification, the Under Secretary shall submit to the con-
17 gressional defense committees a report that describes how
18 the Under Secretary intends to meet the requirements of
19 paragraphs (1) through (3) of such subsection.

20 (c) MILESTONE B APPROVAL.—The term “Milestone
21 B approval” has the meaning given that term in section
22 4172 of title 10, United States Code.



Amendment to H.R. 8070

Offered by: Mr. Rogers

In the appropriate place in the report to accompany H.R. 8070, insert the following new Directive Report Language:

Global Strike Command Manning

The committee recognizes the critical nature of the mission of United States Air Force Global Strike Command, which supports every Combatant Command globally. The committee notes that the United States Air Force is undergoing a dramatic reorganization in recognition of a shift towards Reoptimizing for Global Power Competition and faces the recapitalization of the United States' nuclear triad. To fully ensure that Air Force Global Strike Command is adequately manned and organized, the committee directs the Secretary of the Air Force to conduct a review of Air Force Global Strike Command's manning levels and to submit a report to the House Committee on Armed Services, no later than April 1, 2025, assessing the sufficiency of current and planned future manning requirements. The report shall also include a comparison of manning levels across similar Air Force Major Commands and a breakdown of personnel, both civilian and military, by grade.