

En Bloc Amendments to H.R. 2500

**Subcommittee on Strategic Forces
En Bloc #1**

Log #	Sponsor	Description
122	Brown	Reallocates funding for Wide Area Surveillance from procurement to RDT&E
141	Rogers	Report on commercial and space-based radio frequency mapping
182	Cooper	Repeals the requirement for commission on electromagnetic pulse attacks and similar events.
183	Cooper	Authorization of Appropriations for National Nuclear Security Administration.
184r1	Cooper	Independent study on risks of nuclear terrorism and nuclear war.
193r1	Carbajal	Requests annual assessment of ballistic missile defense system
393	Lamborn	Encourages compatibility of DoD systems with complimentary commercial satellite ground architecture
427	Wilson	This amendment strikes language in Excess Plutonium Disposition (DRL) that mentions funding priorities of NNSA at the Savannah River Site.
429r1	Wilson	This amendment increases the Defense Environmental Cleanup account by \$25M for Savannah River Risk Management Operations.

AMENDMENT TO H.R. 2500

OFFERED BY MR. BROWN OF MARYLAND

(funding table amendment)

In section 4201 of division D, relating to Research, Development, Test & Eval, Air Force, increase the amount for Wide Area Surveillance, 0604445F, Line 155, by \$20,000,000.

In section 4101 of division D, relating to Other Procurement, Air Force, reduce the amount for Wide Area Surveillance, Line 034, by \$20,000,000.

**Amendment to H.R. 2500
National Defense Authorization Act for Fiscal Year 2020**

Offered by: Mr. Rogers of Alabama

In the appropriate place in the report to accompany H.R. 2500, insert the following new Directive Report Language:

Report on Commercial and Space-based Radio Frequency Mapping.

The committee directs the National Reconnaissance Office to provide a report to the House Committee on Armed Services not later than November 1, 2019 on commercial space-based radio frequency mapping and associated operations and services for space-based electromagnetic collections. The report shall include the timelines, milestones, and processes to establish the ordering and data delivery systems for commercial space-based radio frequency mapping and associated operations and services for space-based electromagnetic collections, how such commercial operations and services should integrate into existing workflows of the Department of Defense, how such commercial operations and services could be integrated into other existing analytics platforms, and how these services can meet current and future mission requirements.

AMENDMENT TO H.R. 2500
OFFERED BY MR. COOPER

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

1 **SEC. 16 . REPEAL OF REQUIREMENT FOR COMMISSION**
2 **ON ELECTROMAGNETIC PULSE ATTACKS AND**
3 **SIMILAR EVENTS.**

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

5 (1) On March 26, 2019, the President released
6 the “Executive Order on Coordinating National Re-
7 siliience to Electromagnetic Pulses”.

8 (2) The Executive Order codifies policy, roles,
9 and responsibilities within the executive branch in
10 order to foster sustainable, efficient, and cost-effec-
11 tive approaches to improving the resilience of the
12 United States to the effects of electromagnetic
13 pulses.

14 (b) REPEAL.—Section 1691 of the National Defense
15 Authorization Act for Fiscal Year 2018 (Public Law 115-
16 91; 131 Stat. 1786) is repealed.



AMENDMENT TO H.R. 2500**OFFERED BY MR. COOPER OF TENNESSEE**

Strike section 3101 (log 70052) and insert the following:

1 **SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRA-**
2 **TION.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds
4 are hereby authorized to be appropriated to the Depart-
5 ment of Energy for fiscal year 2020 for the activities of
6 the National Nuclear Security Administration in carrying
7 out programs as specified in the funding table in section
8 4701.

9 (b) AUTHORIZATION OF NEW PLANT PROJECTS.—
10 From funds referred to in subsection (a) that are available
11 for carrying out plant projects, the Secretary of Energy
12 may carry out new plant projects for the National Nuclear
13 Security Administration as follows:

14 Project 15–D–301, High Explosive Science and
15 Engineering Facility, Pantex Plant, Amarillo, Texas,
16 \$123,000,000.

17 Project 15–D–611, Emergency Operations Cen-
18 ter, Sandia National Laboratories, Albuquerque,
19 New Mexico, \$4,000,000.

1 Project 15-D-612, Emergency Operations Cen-
2 ter, Lawrence Livermore National Laboratory,
3 Livermore, California, \$5,000,000.

4 Project 18-D-150, Surplus Plutonium Disposi-
5 tion, Savannah River Site, Aiken, South Carolina,
6 \$79,000,000.

7 Project 18-D-650, Tritium Finishing Facility,
8 Savannah River Site, Aiken, South Carolina,
9 \$27,000,000.

10 Project 19-D-670, 138k Power Transmission
11 System Replacement, Nevada National Security Site,
12 Mercury, Nevada, \$6,000,000.

13 Project 20-D-931, KL Fuel Development Lab-
14 oratory, Knolls Atomic Power Laboratory, Schenecc-
15 tady, New York, \$23,700,000.



Log184r1

AMENDMENT TO H.R. 2500
OFFERED BY Mr. Cooper

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

1 **SEC. 16** . **INDEPENDENT STUDY ON RISKS OF NUCLEAR**
2 **TERRORISM AND NUCLEAR WAR.**

3 (a) **STUDY.**—Not later than 30 days after the date
4 of the enactment of this Act, the Secretary of Defense
5 shall seek to enter into an agreement with the National
6 Academy of Sciences to conduct a study on the potential
7 risks of nuclear terrorism and nuclear war.

8 (b) **MATTERS INCLUDED.**—The study under sub-
9 section (a) shall—

10 (1) quantify the potential risks of nuclear ter-
11 rorism and nuclear war, including the level of uncer-
12 tainty;

13 (2) assess prior literature on such risks;

14 (3) assess the role that quantitative risk anal-
15 ysis and other disciplines can play in quantifying
16 such risks, including the limitations of such analysis
17 and disciplines;

18 (4) assess the extent to which the nuclear strat-
19 egy of the United States is consistent with the risks

1 of nuclear terrorism and nuclear war identified in
2 the study; and

3 (5) provide recommendations as to whether fun-
4 damental assumptions about the national security
5 strategy of the United States might need to be re-
6 considered.

7 (c) SUBMISSION.—Not later than one year after the
8 date of the enactment of this Act, the Secretary shall sub-
9 mit to the congressional defense committees the study
10 under subsection (a), without change.

11 (d) FORM.—The study shall be submitted under sub-
12 section (c) in unclassified form, but may include a classi-
13 fied annex.



AMENDMENT TO H.R. 2500**OFFERED BY MR. CARBAJAL OF CALIFORNIA**

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

1 **SEC. 16** ____ . **ANNUAL ASSESSMENT OF BALLISTIC MISSILE**
2 **DEFENSE SYSTEM.**

3 (a) **SENSE OF CONGRESS.**—It is the sense of Con-
4 gress that operational test and evaluation of elements of
5 the ballistic missile defense system should be conducted
6 thoroughly in accordance with section 2399 of title 10,
7 United States Code, including with respect to the reports
8 required to be submitted to the congressional defense com-
9 mittees under subsection (b) of such section regarding the
10 results of testing conducted on major defense acquisition
11 programs.

12 (b) **ANNUAL ASSESSMENT.**—As part of the annual
13 report of the Director of Operational Test and Evaluation
14 submitted to Congress under section 139 of title 10,
15 United States Code, the Director shall include an assess-
16 ment of the ballistic missile defense system and all of the
17 elements of the system that have been fielded or are
18 planned, as of the date of the assessment, including—

1 (1) the operational effectiveness, suitability, and
2 survivability of the ballistic missile defense system
3 and the elements of the system that have been field-
4 ed or tested; and

5 (2) the adequacy and sufficiency of the test pro-
6 gram of such system as of the date of the assess-
7 ment, including with respect to the operational real-
8 ism of the tests.

9 (c) FORM.—Each assessment under subsection (a)
10 may be submitted in unclassified form, and may include
11 a classified annex.



AMENDMENT TO H.R. 2500
OFFERED BY MR. LAMBORN OF COLORADO

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

1 **SEC. 16** ____ . **RESILIENT ENTERPRISE GROUND ARCHITECTURE.**
2

3 (a) **SENSE OF CONGRESS.**—It is the sense of Con-
4 gress that the Secretary of the Air Force, to advance the
5 security of the space assets of the Department of Defense,
6 should—

7 (1) expand on complimentary efforts within the
8 Air Force that promote the adoption of a resilient
9 enterprise ground architecture that is responsive to
10 new and changing threats and can rapidly integrate
11 new capabilities to make the warfighting force of the
12 United States more resilient in a contested
13 battlespace; and

14 (2) prioritize the swift transition of space
15 ground architecture to a common platform and le-
16 verage commercial capabilities in concurrence with
17 the 2015 intent memorandum of the Commander of
18 the Air Force Space Command.

1 (b) FUTURE ARCHITECTURE.—The Secretary of De-
2 fense shall, to the extent practicable—

3 (1) develop future satellite ground architectures
4 of the Department of Defense to be compatible with
5 complimentary commercial systems that can support
6 uplink and downlink capabilities with dual-band
7 spacecraft; and

8 (2) emphasize that future ground architecture
9 transition away from stove-piped systems to a serv-
10 ice-based platform that provides members of the
11 Armed Forces with flexible and adaptable capabili-
12 ties that—

13 (A) use, as applicable, commercially avail-
14 able capabilities and technologies for increased
15 resiliency and cost savings; and

16 (B) builds commercial opportunity and in-
17 tegration across the range of resilient space sys-
18 tems.



Log 427

**Amendment to H.R. 2500
National Defense Authorization Act for Fiscal Year 2020**

Offered by: Mr. Wilson of South Carolina

In the portion of the report to accompany H.R. 2500 titled "*Excess Plutonium Disposition*", strike the following text:

The committee notes the commitment to dispose of the 34 metric tons of excess plutonium and is concerned that funding has not been prioritized to implement this program due to prioritizing plutonium pit production at the Savannah River Site, leading to questions about the U.S. nuclear nonproliferation commitment to disposal of this excess material.

Therefore,

LOG 429 - revised
Log 429 r1

AMENDMENT TO H.R. 2500

OFFERED BY MR. WILSON

(funding table amendment)

In section 4701 of division D, relating to Defense Environmental Cleanup, increase the amount for Savannah River risk management operations, by \$25,000,000.

In section 4301 of division D, relating to Operation and Maintenance, Defense-Wide Operating Forces, reduce the amount for Office of the Secretary of Defense, Line 460, by \$25,000,000.

MTG #2