

En Bloc Amendments to H.R. 2500

Full Committee En Bloc # 7

Log #	Sponsor	Description
369	Thornberry	Amends Sec 183a(f) of title 10 USC to authorize the SECDEF to accept voluntary contribution of funds from an applicant of energy project.
382	Norcross	Perfecting amendment to add "recapitalize" to Chinook Block II report language.
392r1	Lamborn	Restores \$20,000,000 to the Mounted HUB A-PNT line.
437r3	Gallagher	Directs report detailing strategic and operational consequences of US allies and partners including equipment from Huawei or ZTE in their 5G wireless networks.
441r1	Gallagher	Directs a report listing Russian and Chinese academic institutions that have a history of improper technology transfer, intellectual property theft, cyber espionage or operate under the direction of their respective armed forces or intelligence agencies.
448	Escobar	Requires the Secretary of Defense to certify minimum conditions are met at any DoD sites identified for housing unaccompanied minors.
452r2	Langevin	Creates a foreign malign influence operations research program through grants with universities and other basic research programs of the DOD.
468r2	Scott	DRL recommendation for Surface to Air Electronic Warfare Threats.
469	Smith	Transfers \$5,000,000 for Moving Target Defense from RDT&E-DW to RDT&E-Navy.
479r1	Norcross	Requires a study on DOD workforce optimizations.
488r1	Gabbard	Seeks DoD report on avenues to include Native Hawaiians in DoD guidance for consultations with native communities. Seeks strategy from SECDEF on such inclusion.
494	Thornberry	Funding for flexible biosensors.
502r1	Norcross	Require a report on sourcing domestic components on US Navy ships
458r1	Crow	Requires a report on end-use monitoring compliance in the Egyptian Sinai while conducting counter terrorism operations.
189	Banks	Provides occupational support to military spouses by improving the portability of occupational licenses through interstate compacts and amending residency laws pertaining to registering a business.
371r1	Thornberry	Amends the National Flagship Language initiative by increasing authorized funding from \$10 million annually to \$16 million annually beginning in FY20.
284r1	Waltz	Directs the DoD CMP to deliver a briefing not later than December 15, 2019 on the Department's efforts to improve its market research practices and compliance with 10 U.S.C. 2377, with respect to information technology goods and services.

AMENDMENT TO H.R. 2500
OFFERED BY MR. THORNBERRY OF TEXAS

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

1 **SEC. 3__.** **AUTHORITY TO ACCEPT CONTRIBUTIONS OF**
2 **FUNDS FROM APPLICANTS FOR ENERGY**
3 **PROJECTS FOR MITIGATION OF IMPACTS ON**
4 **MILITARY OPERATIONS AND READINESS.**

5 Section 183a(f) of title 10, United States Code, is
6 amended by striking “for a project filed with the Secretary
7 of Transportation pursuant to section 44718 of title 49”
8 and inserting “for an energy project”.



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

Offered by: Mr. Norcross of New Jersey

In the portion of the report to accompany H.R. 2500 titled "CH-47F Chinook Block II", strike the following text: "must begin to remanufacture" and insert the following new text: "must begin to remanufacture or recapitalize".

In the portion of the report to accompany H.R. 2500 titled "CH-47F Chinook Block II," strike the following text: "comparing CH-47F Block II upgrade program to CH-47F remanufacture efforts," and insert the following new text: "comparing CH-47F Block II upgrade program to both CH-47F remanufacture and recapitalization efforts".

Log 392 r 1

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

Offered by: Mr. Lamborn of Colorado

(funding table amendment)

In section 4101 of division D, relating to Other Procurement, Army, increase the amount for Mounted HUB Assured Positioning Navigation and Timing (A-PNT), Line 31, by \$20,000,000.

In section 4201 of division D, relating to Research, Development, Test and Evaluation, Army, reduce the amount for for Mobile Medium Range Missile, Line 104, by \$20,000,000 million.

437 r 3

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

Offered by:
Rep. Mike Gallagher

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

Allied 5G Network Security

The committee is deeply concerned about the security of 5G wireless networks. Given that U.S. military forces operate worldwide, oftentimes on local networks, the security of those networks is paramount to United States national security. As senior defense leaders have repeatedly testified before the committee, the ability to reliably and securely share information is a bedrock principle of American military alliances. The committee is concerned that U.S. allies, and partners may choose to include risky telecommunications equipment in their 5G networks from companies like Huawei and ZTE.

The Committee therefore directs the Secretary of Defense to provide to the congressional defense committees, not later than January 1, 2020, a report detailing the projected and potential impact to U.S. operations as a consequence of the adoption of 5G technology products from Huawei and ZTE by U.S. partners and allies. The report should examine the Huawei and ZTE products in current use in overseas communications networks, new products currently in testing but projected for production, and current risk mitigation practices for U.S. forces. This report shall have both unclassified and classified portions.

441 r 1

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

Offered by:
Rep. Mike Gallagher

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

Protection of National Security Research

The committee believes that institutes of higher learning, laboratories, and other entities and organizations play critical roles in advancing national security within the U.S. science and technology ecosystem that is charged with delivering the best capabilities to the warfighter in the near, mid, and long-term. The committee understands that near-peer competitors such as China and Russia attempt to exploit and benefit from the open and collaborative global research environment created by the Reagan Administration's National Security Decision Directive 189 on the National Policy on the Transfer of Scientific, Technical and Engineering Information, which established that the products of "fundamental research" – defined as "basic and applied research in science and engineering, the results of which ordinarily are published and shared" – should remain unrestricted.

The committee is also aware that academia is not always kept apprised by the interagency of a complete picture of potential activities and threats in the research community, such as improper technology transfer, intellectual property theft, and cyber-attacks directly affiliated with nation-state governments. Elsewhere in this bill and report, the committee includes measures to promote increased information sharing across the interagency and with academia.

The Committee therefore directs the Secretary of Defense to provide to the Committees on Armed Services of the Senate and House of Representatives, not later than January 1, 2020, a report listing Chinese and Russian academic institutions that have a history of improper technology transfer, intellectual property theft, cyber espionage, or operate under the direction of their respective armed forces or intelligence agencies. The report should be in unclassified form, though it may contain a classified annex.

AMENDMENT TO H.R. 2500
OFFERED BY MS. ESCOBAR OF TEXAS

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

1 **SEC. 10__ . LIMITATION ON USE OF FUNDS FOR PRO-**
2 **VIDING HOUSING FOR UNACCOMPANIED**
3 **ALIEN CHILDREN.**

4 (a) **LIMITATION.**—None of the funds authorized to
5 be appropriated by this Act or otherwise made available
6 for the Department of Defense may be used to provide
7 assistance to the Department of Health and Human Serv-
8 ices for the purpose of providing housing for unaccom-
9 panied alien children unless the Secretary of Defense sub-
10 mits to Congress certification that—

11 (1) the proposed site for the housing meets the
12 standards of the Department of Health and Human
13 Services, including those provided under the Flores
14 settlement agreement;

15 (2) identifies any known or potential environ-
16 mental hazards at or near the proposed site;

17 (3) describes the actions taken or to be taken
18 to mitigate any such hazard; and

1 (4) identifies any waivers or exceptions to
2 standards of the Department of Health and Human
3 Services, including the Flores settlement agreement,
4 that have been requested or granted with regard to
5 the site.

6 (b) DEFINITIONS.—In this section:

7 (1) The term “unaccompanied alien children”
8 has the meaning given such term in section 462 of
9 the Homeland Security Act of 2002 (6 U.S.C. 279)).

10 (2) The term “Flores settlement agreement”
11 means the stipulated settlement agreement filed on
12 January 17, 1997, in the United States District
13 Court for the Central District of California in Flores
14 v. Reno, CV 85–4544–RJK.



Log 452rd

AMENDMENT TO H.R. 2500

OFFERED BY MR. LANGEVIN OF RHODE ISLAND

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

1 **SEC. 2** . **FOREIGN MALIGN INFLUENCE OPERATIONS RE-**
2 **SEARCH PROGRAM.**

3 (a) **PROGRAM REQUIRED.**—The Secretary of De-
4 fense, acting through the Under Secretary of Defense for
5 Research and Engineering, shall carry out a research pro-
6 gram on foreign malign influence operations research as
7 part of the university and other basic research programs
8 of the Department of Defense (such as the Minerva Re-
9 search Initiative).

10 (b) **PROGRAM OBJECTIVES.**—The objectives of the
11 research program shall be the following:

12 (1) To enhance the understanding of foreign
13 malign influence operations, including activities con-
14 ducted on social media platforms.

15 (2) To facilitate the compilation, analysis, and
16 storage of publicly available or voluntarily provided
17 indicators of foreign malign influence operations, in-
18 cluding those appearing on social media platforms,
19 for the purposes of additional research.

1 (3) To promote the development of best prac-
2 tices relating to tactics, techniques, procedures, and
3 technology for the protection of the privacy of the
4 customers and users of the social media platforms
5 and the proprietary information of the social media
6 companies in conducting research and analysis or
7 compiling and storing indicators and key trends of
8 foreign malign influence operations on social media
9 platforms.

10 (4) To promote collaborative research and in-
11 formation exchange with other relevant entities with-
12 in the Department and with other agencies relating
13 to foreign malign influence operations.

14 (c) PROGRAM ACTIVITIES.—In order to achieve the
15 objectives specified in subsection (b), the Secretary is au-
16 thorized to carry out the following activities:

17 (1) The Secretary may award research grants
18 to eligible individuals and entities on a competitive
19 basis.

20 (2) The Secretary may award financial assist-
21 ance to graduate students on a competitive basis.

22 (d) REPORT.—Not later than March 1, 2020, the
23 Secretary of Defense shall submit to the congressional de-
24 fense committees a report on the progress of the Secretary
25 in carrying out the research program under this section,

- 1 including a description of the activities and research con-
- 2 ducted as part of the program.



AMENDMENT TO H.R. 2500

OFFERED BY MR. LANGEVIN

(funding table amendment)

In section 4201 of division D, relating to research, development, test and evaluation, Navy, increase the amount for Basic Research Initiatives, Line 003, by \$10,000,000 (with the amount of the increase to be available to carry out the research program under this section).

In section 4201 of division D, relating to procurement, decrease the amount for CANES, Line 063, by \$10,000,000.

Log 468r2

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

Offered by: Mr. Scott of Georgia

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

Briefing on Surface To Air Electronic Warfare Threats

The committee recognizes that advanced enemy threat systems continue to evolve and modernize and as a result could be immune to current U.S. defensive systems, including Air Force electronic warfare (EW) jamming systems. The committee further recognizes that existing radar-guided **surface-to-air** systems can detect and identify legacy jamming signals, which could significantly increase **U.S. military** aircraft vulnerabilities for deployed military air crews. Therefore, the committee directs the Secretary of the Air Force to conduct an advisability and feasibility analysis of developing open standards compliant advanced threat system exploitation techniques that could rapidly defeat advanced threat systems within an open system framework. The committee believes this technology could provide increased protection to U.S. military aircraft, resulting in increased mission effectiveness and air crew survivability. The committee further directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services by Feb 1, 2020 on the results of this analysis, as well as update the committee on current actions being taken to improve current EW jamming systems.

AMENDMENT TO H.R. 2500

OFFERED BY MR. SMITH OF WASHINGTON

(funding table amendment)

In section 4201 of division D, relating to Advanced Component Development and Prototypes, Research Development, Test, and Evaluation, Navy, increase the amount for Ship Concept Advanced Design, Line 044, by \$5,000,000 for Moving Target Defense.

In section 4201 of division D, relating to Management Support, Research Development, Test, and Evaluation, Defense-Wide, reduce the amount for Moving Target Defense, Assessments and Evaluations, Line 146, by \$5,000,000.

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

Offered by: Mr. Norcross of New Jersey

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

Optimizing Total Force Management

The Department of Defense's Fiscal Year 2020 budget request explains that the size and composition of its civilian workforce is shaped to reflect changes commensurate with the Department's military force structure and its civilian workforce is key to warfighter readiness. However, when the committee examined the workforce projections of the Department of Defense, it found the civilian workforce increases by 0.7 percent from fiscal year 2019 to 2020, while Active Component End Strength increases by 6.2 percent and Reserve Component End Strength by 1.5 percent.

Therefore, given these workforce mix decisions, the committee directs the Secretary of Defense to contract with a federal funded research and development center to review the Department's force structure decision-making processes in the Office of Secretary of Defense, Joint Staff and in each of the Military Departments to verify the Department is planning, programing and budgeting for a force structure that optimizes lethality by using military for warfighting functions and ensures that planned operational capabilities are fully executable and sustainable.

This review should include recommendations, and, as a minimum, include:

- (1) an identification of best practices as well as impediments to the optimum sizing of each component of the Total Force of active military, reserve component military, civilian workforce, host nation support, and contract support;
- (2) recommendations on how to leverage the Military Department's modeling efforts in order to achieve a more balanced Total Force mix, and;
- (3) the effects of Full Time Equivalent (FTE) caps and associated business processes resulting from either legislation or Departmental policy or practice that would impede the use of more holistic analytical tools for linking the enabling civilian to supported force structure.

The report should be provided and briefed to the Armed Services Committees not later than February, 2021.

Log 488 r1

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

Offered by: Ms. Gabbard of Hawaii

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

Department of Defense Consultations with Native Hawaiians

The committee remains concerned about consultations between the Department of Defense and Native Hawaiians. The committee notes the differing official policies between the Departments of the Army, Navy, and Air Force. The committee views favorably the maximum extent that the Department of Defense can enable coordination with Native Hawaiian communities ahead of military construction and land lease projects.

Thus, the committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services by September 1, 2019, that details the avenues to include Native Hawaiians in DoD 4710.02. This report shall include a strategy from the secretary for greater inclusion of Native Hawaiian consultations in Department of Defense military construction and land lease activities. This report shall also include previous circumstances of consultations or meetings with Native Hawaiian stakeholders.

AMENDMENT TO H.R. 2500

OFFERED BY MR. THORNBERRY

(funding table amendment)

In section 4201 of division D, relating to RDT&E USAF, increase the amount for materials, Line 004, by \$5,000,000.

In section 4201 of division D, relating to RDT&E DW, reduce the amount for Technology innovation, Line 041, by \$5,000,000.

502 r1

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

Offered by: Mr. Norcross of New Jersey

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

Sourcing Of Domestic Components For U.S. Navy Ships

The Committee has concerns with the sourcing of non-domestic components on U.S. Navy ships. The Committee directs the Secretary of the Navy to provide a report to the Congressional Defense Committees by December 1, 2019, on the feasibility of sourcing domestic components such as auxiliary equipment, including pumps; propulsion system components, including engines, reduction gears, and propellers; shipboard cranes and spreaders for shipboard cranes; among other components on all Navy ships.

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

Offered by: Mr. Crow of Colorado

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

Report on Egypt's Counterterrorism Campaign in the Sinai

The Committee is concerned with the lack of verifiable access to the Egyptian Sinai to monitor compliance with end-use monitoring requirements. Therefore, the committee directs the Secretary of Defense, in consultation with the Secretary of State, to provide a report to the House Armed Services Committee, the House Foreign Affairs Committee, the Senate Armed Services Committee, and the Senate Foreign Relations Committee no later than November 1, 2019 detailing whether the Government of Egypt is readily providing information to the Government of the United States to facilitate a comprehensive vetting process; a detailed description of the internal protocol, evidentiary standards, and decision making process followed by the Department of Defense and the Department of State in investigating reports of human rights violations committed by Egyptian security forces; and an assessment of whether the Egyptian security forces are adequately complying with obligations under the "Golden Sentry" and "Blue Lantern" programs. The Committee directs the report to be provided in unclassified form, a classified annex if necessary.

AMENDMENT TO H.R. 2500
OFFERED BY MR. BANKS OF INDIANA

At the appropriate place in the bill, insert the following section:

1 **SEC. ____ . OCCUPATIONAL IMPROVEMENTS FOR RELO-**
2 **CATED SPOUSES OF MEMBERS OF THE UNI-**
3 **FORMED SERVICES.**

4 (a) **IMPROVEMENT OF OCCUPATIONAL LICENSE**
5 **PORTABILITY FOR MILITARY SPOUSES THROUGH INTER-**
6 **STATE COMPACTS.**—Section 1784 of title 10, United
7 States Code, is amended by adding at the end the fol-
8 lowing new subsection:

9 “(h) **IMPROVEMENT OF OCCUPATIONAL LICENSE**
10 **PORTABILITY THROUGH INTERSTATE COMPACTS.**—

11 “(1) **IN GENERAL.**—The Secretary of Defense
12 may enter into a cooperative agreement with the
13 Council of State Governments to assist with funding
14 of the development of interstate compacts on li-
15 censed occupations in order to alleviate the burden
16 associated with relicensing in such an occupation by
17 spouse of a members of the armed forces in connec-
18 tion with a permanent change of duty station of
19 members to another State.

1 “(2) LIMITATION.—The amount provided under
2 paragraph (1) as assistance for the development of
3 any particular interstate compact may not exceed
4 \$1,000,000.

5 “(3) ANNUAL REPORT.—Not later than Feb-
6 ruary 28 each year, the Secretary shall submit to
7 the Committees on Armed Services of the Senate
8 and the House of Representatives a report on inter-
9 state compacts described in paragraph (1) developed
10 through assistance provided under that paragraph.

11 Each report shall set forth the following:

12 “(A) Any interstate compact developed
13 during the preceding calendar year, including
14 the occupational licenses covered by such com-
15 pact and the States agreeing to enter into such
16 compact.

17 “(B) Any interstate compact developed
18 during a prior calendar year into which one or
19 more additional States agreed to enter during
20 the preceding calendar year.

21 “(4) EXPIRATION.—The authority to enter into
22 a cooperative agreement under paragraph (1), and
23 to provide assistance described in that paragraph
24 pursuant to such cooperative agreement, shall expire
25 on September 30, 2024.”.

1 (b) GUARANTEE OF RESIDENCY FOR REGISTRATION
2 OF BUSINESSES OF SPOUSES OF MEMBERS OF UNI-
3 FORMED SERVICES.—

4 (1) IN GENERAL.—Title VI of the
5 Servicemembers Civil Relief Act (50 U.S.C. 4021 et
6 seq.) is amended by adding at the end the following
7 new section:

8 **“SEC. 707. GUARANTEE OF RESIDENCY FOR BUSINESSES OF**
9 **SPOUSES OF SERVICEMEMBERS.**

10 “For the purposes of registering a business—

11 “(1) a person who is absent from a State be-
12 cause the person is accompanying the person’s
13 spouse who is absent from that same State in com-
14 pliance with military or naval orders shall not, solely
15 by reason of that absence—

16 “(A) be deemed to have lost a residence or
17 domicile in that State, without regard to wheth-
18 er or not the person intends to return to that
19 State;

20 “(B) be deemed to have acquired a resi-
21 dence or domicile in any other State; or

22 “(C) be deemed to have become a resident
23 in or a resident of any other State; and

24 “(2) the spouse of a servicemember may elect
25 to use the same residence as the servicemember re-

1 regardless of the date on which the marriage of the
2 spouse and the servicemember occurred.”.

3 (2) CLERICAL AMENDMENT.—The table of con-
4 tents in section 1(b) of such Act is amended by in-
5 serting after the item relating to section 706 the fol-
6 lowing new item:

 “Sec. 707. Guarantee of residency for businesses of spouses of
 servicemembers.”.



Log 189

AMENDMENT TO H.R. 2500

OFFERED BY MR. BANKS

(funding table amendment)

In section 4301 of division D, relating to Operation and Maintenance, increase the amount for Administration, Line 440, by \$10,000,000. 436

In section 4302 of division D, relating to Operation and Maintenance for Overseas Contingency Operations, reduce the amount for Other Servicewide Activities, Line 420, by \$10,000,000.

AMENDMENT TO H.R. 2500
OFFERED BY MR. THORNBERRY OF TEXAS

National Defense Authorization Act for Fiscal Year 2020

Add at the appropriate place in title XVI the following new section:

1 **SEC. 16__ . MODIFICATION OF ANNUAL AUTHORIZATION**
2 **OF APPROPRIATIONS FOR NATIONAL FLAG-**
3 **SHIP LANGUAGE INITIATIVE.**

4 Section 811(a) of the David L. Boren National Security
5 Education Act of 1991 (50 U.S.C. 1911(a)) is amended—
6 ed—

7 (1) by striking “fiscal year 2003” and inserting
8 “fiscal year 2020”; and

9 (2) by striking “\$10,000,000” and inserting
10 “\$16,000,000”.



Log 371r1

AMENDMENT TO H.R. 2500

OFFERED BY MR. THORNBERRY

(funding table amendment)

In section 4301 of division D, relating to operation and maintenance, defense-wide operating forces, increase the amount for Defense Human Resources Activity, Line 220, by \$6,000,000.

In section 4301 of division D, relating to operation and maintenance, defense-wide operating forces, reduce the amount for Defense Media Activity, Line 290, by \$6,000,000.

284 r1

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

Offered by:

Michael Waltz (Florida)

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

Report on the Department's market research practices for IT acquisition

The committee is concerned that the Department of Defense continues to struggle with implementation of effective market research practices as part of the acquisition cycle for information technology goods and services. Effective implementation of information technology is particularly dependent on high quality market research. Unless the Department improves capabilities in this area, it will continue to lag the private sector in deploying innovative technologies. The committee is also concerned that the Department has yet to issue regulations clarifying that market research may be acquired from commercial companies as well as conducted by government personnel in accordance with section 882 of the National Defense Authorization Act for Fiscal Year 2019 (Public Law No: 115-232).

Therefore, the committee directs the Chief Management Officer of the Department of Defense to deliver a briefing to the Committees on Armed Services of the House and Senate on the Department's efforts to improve its market research practices, and compliance with 10 U.S.C. 2377, with respect to information technology goods and services by December 15, 2019. At a minimum, the briefing shall include the following elements:

- (1) a discussion of current Department of Defense market research guidelines compared to private sector best practices
- (2) any challenges faced by the Department in accessing independent, third-party market research, particularly in the source selection process, due to incorrect perceptions that such research is an Inherently Governmental Function
- (3) any concerns of the Department related to potential conflict of interest or bias found in vendor-provided data, particularly as it relates to Requests for Information or Sources Sought Notices; and
- (4) an update on the status of regulations related to the use of independent, third-party market research and its status as a non-inherently government function.