

## En Bloc Amendments to H.R. 2810

### Subcommittee on Emerging Threats and Capabilities En Bloc # 1

<b>Log #</b>	<b>Sponsor</b>	<b>Description</b>
<b>012</b>	Larsen	Adds to existing report language on cloud computing to include support for hyper scale cloud computing to enable capabilities including big data analytics.
<b>025</b>	Lamborn	Requires a DARPA briefing regarding the viability of space-based debris remediation in Low Earth Orbit.
<b>097r1</b>	Speier	Directs the SecDef to submit to the congressional defense committees a report on DIUx.
<b>098</b>	Speier	Directs the ASD(SOLIC) and the Commander of USSOCOM to provide a briefing regarding culture and accountability in SOF.
<b>112r1</b>	Larsen	Directs the Secretary of Defense to report on implementation of electronic warfare modernization pilot program established in the FY17 NDAA.
<b>139</b>	LoBiondo	Directs the Secretary of Defense to submit a review and assessment of the Department of Defense personnel recovery and nonconventional assisted recovery mechanisms.
<b>232</b>	Rosen	Requires the Secretary of Defense to submit a report on DOD's progress in meeting the requirements of section 1642 of the FY17 NDAA related to U.S. Cyber Command.
<b>297</b>	Stefanik	Directs a report from the DOD Chief Information Officer, in coordination with the Principal Cyber Adviser and the Commander, Cyber Command, to create criteria for evaluating commercial threat information service providers and sources.
<b>298</b>	Stefanik	Amendment relates to a security and stability strategy for Somalia.

**Amendment to H.R. 2810  
National Defense Authorization Act for Fiscal Year 2018**

**Offered by: Rep. Larsen**

In the portion of the report to accompany H.R. 2810 titled "Cloud Computing", insert at the end of the second paragraph the following new text:

"In addition, the committee encourages the Department to explore the benefits of hyperscale cloud computing, which enables advanced capabilities such as big data analytics, machine learning, and cognitive services while providing advanced cybersecurity and continual updates to services and cyber defense."

**Amendment to H.R. 2810  
National Defense Authorization Act for Fiscal Year 2018**

**Offered by: Mr. Lamborn of Colorado**

In the appropriate place in the report to accompany H.R. 2810, insert the following new Directive Report Language:

**Space-based Debris Remediation in Low Earth Orbit**

The committee is concerned about the increasing challenges of space debris and growing risk to defense and other satellites. The committee thereby directs the Director of the Defense Advanced Research Projects Agency (DARPA) to assess the viability of space-based debris remediation in Low Earth Orbit (LEO), and also whether such system could be used for additional purposes, including space situational awareness. The Committee believes that remediation of debris smaller than what can currently be detected and tracked may help prevent catastrophic conjunctions and preserve orbital regimes for future operations.

The committee directs the DARPA to provide a briefing to the House and Senate Armed Services Committees no later than January 15, 2018 on the results of the assessment.

Log 97  
Revised

**Amendment to H.R. 2810  
National Defense Authorization Act for Fiscal Year 2018**

**Offered by: Jackie Speier**

In the appropriate place in the report to accompany H.R. 2810, insert the following new Directive Report Language:

**Success Metrics of the Defense Innovation Unit Experiment (DIUx)**

The committee is aware of the Department of Defense's efforts to increase outreach to and collaboration with sources of commercial innovation throughout the United States. The committee is also aware that there is discussion about reorganizing the innovation organizations in the Office of the Secretary of Defense (OSD). The establishment of an Under Secretary of Defense for Research and Engineering under Section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) would elevate the innovation function within the Department and provide a critical mass for all of the technology innovation functions within OSD, much like a Chief Innovation Office or a Chief Technology Officer would in a private sector organization. The committee recommends the Department look at the organization and functions of the Defense Innovation Unit Experiment (DIUx) as part of that holistic review, and encourages the Department to consider placing this organization under this new Under Secretary.

Further, the committee appreciates the DIUx report, dated January 16, 2016, which was submitted in response to requirements in the FY17 NDAA. However, additional information is necessary in order to fully evaluate the effectiveness of DIUx under the listed metrics. Lack of reporting on the metrics impacts the committee's ability to fully evaluate and understand if the DIUx program is meeting its mission of accelerating innovation to the warfighter.

Therefore, the committee directs the Secretary of Defense to submit to the congressional defense committees a report not later than March 1, 2018, on how DIUx activities will be sufficiently tied into the broader activities of the Department of Defense, including incorporating lessons learned to alleviate the systematic problems with technology access and timely contract execution. The report shall also contain results of DIUx's metrics of success, by year since DIUx establishment, that include complete data on the following:

- Number of innovations delivered into the hands of the warfighter;
- Return on investment for all DIUx projects, including both "demonstration effect" and incorporation of piloted technology if applicable;
- Whether DOD access to technology leaders has increased as a result of DIUx, with specific examples;
- Number of non-traditional companies doing business with DOD as a result of DIUx

- Whether other DOD components have elected to adopt DIUx practices, with specific examples.

The report shall also include information on

- How the Department plans to integrate, field and sustain capabilities acquired through the private sector to ensure maximum utility and value to the department through a capability's lifecycle; and
- How the Department is notifying its internal components about participation in DIUx.

**Amendment to H.R. 281  
National Defense Authorization Act for Fiscal Year 2018**

**Offered by:  
Jackie Speier**

In the appropriate place in the report to accompany H.R. 2810, insert the following new Directive Report Language:

**Assessment of Culture and Accountability in Special Operations Forces**

The committee is aware of the integral role that Special Operations Forces play in the defense of our Nation. Special Operations Forces enjoy a stellar reputation as brave, competent and quiet professionals. The committee is concerned, however, that recent allegations of personal misconduct by a limited number of service members may be detracting from the honorable service of the vast majority of Special Operations Forces. These allegations of misconduct include reports of sexual assault and other sexual misconduct, as well as drug use. Additional concerns have been raised about increased public exposure of Special Operations Forces activities and operations via unauthorized books and media.

Therefore, the committee directs the Assistant Secretary of Defense for Special Operations/Low-Intensity Conflict and the Commander, U.S. Special Operations Command, to provide a briefing to the Committee on Armed Services of the House of Representatives not later than January 1, 2018, on the Department's assessment of the culture and accountability within Special Operations Forces.

**Amendment to H.R. 2810**  
**National Defense Authorization Act for Fiscal Year 2018**

**Offered by Mr. Larsen of Washington**

In the appropriate place in the report to accompany H.R. 2810, insert the following new Directive Report Language:

**PILOT PROGRAM ON MODERNIZATION AND FIELDING OF  
ELECTROMAGNETIC SPECTRUM WARFARE SYSTEMS AND  
ELECTRONIC WARFARE CAPABILITIES.**

The committee notes that Section 234 of the Fiscal Year 2017 NDAA established a pilot program on modernization of electromagnetic spectrum (EMS) warfare systems and electronic warfare (EW) systems. This program was written to provide the Secretary of Defense with flexibility in the use of appropriated funds, with the ultimate goal of developing and fielding more modern capabilities. As an example, some aircraft are currently operating with jammers and radar warning receivers developed in the 1980s which would be ideal candidates for inclusion in the pilot program. By using the authority granted in Section 234, the Department of Defense could then use appropriated sustainment funds to modernize these systems, delivering improved capability to the warfighter without additional appropriations. The committee directs the Secretary of Defense to deliver a report to the House Armed Services Committee no later than December 31, 2017 on implementation of the Section 234 pilot program, to include which EMS warfare and EW systems have been selected and any challenges encountered in modernization of these systems.

**AMENDMENT TO H.R. 2810**  
**OFFERED BY MR. LOBIONDO OF NEW JERSEY**

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

1 **SEC. 10 \_\_\_\_ . REVIEW AND ASSESSMENT OF DEPARTMENT**  
2 **OF DEFENSE PERSONNEL RECOVERY AND**  
3 **NONCONVENTIONAL ASSISTED RECOVERY**  
4 **MECHANISMS.**

5 (a) IN GENERAL.—Not later than March 1, 2018, the  
6 Secretary of Defense shall submit to the congressional de-  
7 fense committees a review and assessment of personnel re-  
8 covery and nonconventional assisted recovery programs,  
9 authorities, and policies.

10 (b) ELEMENTS.—The assessment required under  
11 subsection (a) shall include each of the following elements:

12 (1) An overall strategy defining personnel re-  
13 covery and nonconventional assisted recovery pro-  
14 grams and activities, including how such programs  
15 and activities support the requirements of the geo-  
16 graphic combatant commanders.

17 (2) A comprehensive review and assessment of  
18 statutory authorities, policies, and interagency co-  
19 ordination mechanisms, including limitations and

1 shortfalls, for personnel recovery and nonconven-  
2 tional assisted recovery programs and activities.

3 (3) A comprehensive description of current and  
4 anticipated future personnel recovery and non-  
5 conventional assisted recovery requirements across  
6 the future years defense program, as validated by  
7 the Joint Staff.

8 (4) An overview of validated current and ex-  
9 pected future force structure requirements necessary  
10 to meet near-, mid-, and long-term personnel recov-  
11 ery and nonconventional assisted recovery programs  
12 and activities of the geographic combatant com-  
13 manders.

14 (5) Any other matters the Secretary considers  
15 appropriate.

16 (c) FORM OF ASSESSMENT.—The assessment re-  
17 quired under subsection (a) shall be submitted in unclassi-  
18 fied form, but may include a classified annex.

19 (d) COMPTROLLER GENERAL REVIEW.—Not later  
20 than 90 days after the date on which the assessment re-  
21 quired under subsection (a) is submitted, the Comptroller  
22 General of the United States shall submit to the congres-  
23 sional defense committees a review of such assessment.



**AMENDMENT TO H.R. 2810**  
**OFFERED BY MS. ROSEN OF NEVADA**

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

1 **SEC. 16** . **REPORT ON TERMINATION OF DUAL-HAT AR-**  
2 **RANGEMENT FOR COMMANDER OF THE**  
3 **UNITED STATES CYBER COMMAND.**

4 (a) **REPORT.**—Not later than December 1, 2017, the  
5 Secretary of Defense shall submit to the appropriate con-  
6 gressional committees a report on the progress of the De-  
7 partment of Defense in meeting the requirements of sec-  
8 tion 1642 of the National Defense Authorization Act for  
9 Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2601).

10 (b) **ELEMENTS.**—The report under subsection (a)  
11 shall include, with respect to any decision to terminate the  
12 dual-hat arrangement as described in section 1642 of the  
13 National Defense Authorization Act for Fiscal Year 2017  
14 (Public Law 114–328; 130 Stat. 2601), the following:

15 (1) Metrics and milestones for meeting the con-  
16 ditions described in subsection (b)(2)(C) of such sec-  
17 tion 1642.

18 (2) Identification of any challenges to meeting  
19 such conditions.

1           (3) Identification of entities or persons requir-  
2           ing additional resources as a result of any decision  
3           to terminate the dual-hat arrangement.

4           (4) Identification of any updates to statutory  
5           authorities needed as a result of any decision to ter-  
6           minate the dual-hat arrangement.

7           (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
8           FINED.—In this section, the term “appropriate congres-  
9           sional committees” means—

10           (1) the congressional defense committees;

11           (2) the Select Committee on Intelligence of the  
12           Senate; and

13           (3) the Permanent Select Committee on Intel-  
14           ligence of the House of Representatives.



## Amendment to H.R. 281 National Defense Authorization Act for Fiscal Year 2018

**Offered by: Rep. Elise Stefanik**

In the appropriate place in the report to accompany H.R. 2810, insert the following new Directive Report Language:

### Evaluation of Commercial Cyber Threat Information Sources

The committee is aware that the availability of commercially derived cyber threat information from various service providers has the potential to be a tremendous force multiplier for both the government and industry. Many of the companies providing this information have been successful at identifying new threats and reporting on them to broad audiences more dynamically than the government, and without the risk of disclosing sensitive intelligence or capabilities of the government. The committee believes these providers could be better integrated into a full-spectrum strategy that synchronizes government, industry, and third-party capabilities to increase cyber security.

However, the committee is concerned that many of the components utilizing such services are not smart consumers of such services, and it can be very difficult to evaluate the utility or quality of said services across differing providers. Additionally, since there is no view of assessing these services, it can be difficult to figure out how best to leverage these capabilities to supplement or even replace some government capabilities. That task becomes even harder for industry users hoping to incorporate this sort of threat information or threat services into their cybersecurity strategy.

Therefore, the committee directs the Department of Defense Chief Information Officer (CIO), in coordination with the Principal Cyber Adviser and the Commander of Cyber Command, to create criteria for evaluating commercial threat information service providers and sources. This assessment should look at the following:

- (1) what capabilities exist commercially for cyber threat information providers;
- (2) what criteria should the Department or defense industry be using when assessing when and how to leverage these sources;
- (3) in what ways can these types of services fit with the Department's needs, or be integrated into the Department's cyber defense construct; and
- (4) an assessment of whether there is a need to develop some joint enterprise license agreement or contractual mechanism to more quickly and efficiently gain access to and standardize the use of such activities.

The committee further directs the Department of Defense CIO to provide a briefing to the House Committee on Armed Services by February 28, 2018, on the results of this evaluation.

**AMENDMENT TO H.R. 2810**

**OFFERED BY MS. STEFANIK OF NEW YORK**

Amend paragraph (7) of section 1263(a) (relating to a security and stability strategy for Somalia) to read as follows:

1           (7) A plan to train the Somali National Army  
2           and other Somali security forces, that also in-  
3           cludes—

4                   (A) a description of the assistance provided  
5                   by other countries for such training;

6                   (B) a description of the efforts to integrate  
7                   regional militias into the uniformed Somali se-  
8                   curity forces; and

9                   (C) a description of the security assistance  
10                  authorities under which any such training  
11                  would be provided by the United States and the  
12                  recommendations of the Secretary to address  
13                  any gaps under such authorities to advise, as-  
14                  sist, or accompany the Somali National Army  
15                  or other Somali security forces within appro-  
16                  priate roles and responsibilities that are not ful-

1 filled by other countries or by international or-  
2 ganizations.

