

AMENDMENT NO. _____ Calendar No. _____

Purpose: To require a National Academy of Sciences study on alternative technologies for conventional munitions demilitarization.

IN THE SENATE OF THE UNITED STATES—114th Cong., 2d Sess.

S. 2943

To authorize appropriations for fiscal year 2017 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.

Referred to the Committee on _____ and
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Ms. BALDWIN

Viz:

1 At the end of subtitle C of title XIV, add the fol-
2 lowing:

3 **SEC. 1422. NATIONAL ACADEMIES OF SCIENCES STUDY ON**
4 **CONVENTIONAL MUNITIONS DEMILITARIZA-**
5 **TION ALTERNATIVE TECHNOLOGIES.**

6 (a) IN GENERAL.—The Secretary of the Army shall
7 enter into an arrangement with the Board on Army
8 Science and Technology of the National Academies of
9 Sciences, Engineering, and Medicine to conduct a study

1 of the conventional munitions demilitarization program of
2 the Department of Defense.

3 (b) ELEMENTS.—The study required pursuant to
4 subsection (a) shall include the following:

5 (1) A review of the current conventional muni-
6 tions demilitarization stockpile, including types of
7 munitions and types of materials contaminated with
8 propellants or energetics, and the disposal tech-
9 nologies used.

10 (2) An analysis of disposal, treatment, and
11 reuse technologies, including technologies currently
12 used by the Department and emerging technologies
13 used or being developed by private or other govern-
14 mental agencies, including a comparison of cost,
15 throughput capacity, personnel safety, and environ-
16 mental impacts.

17 (3) An identification of munitions types for
18 which alternatives to open burning, open detonation,
19 or non-closed loop incineration/combustion are not
20 used.

21 (4) An identification and evaluation of any bar-
22 riers to full-scale deployment of alternatives to open
23 burning, open detonation, or non-closed loop inciner-
24 ation/combustion, and recommendations to overcome
25 such barriers.

1 (5) An evaluation whether the maturation and
2 deployment of governmental or private technologies
3 currently in research and development would en-
4 hance the conventional munitions demilitarization
5 capabilities of the Department.

6 (c) SUBMITTAL TO CONGRESS.—Not later than 18
7 months after the date of the enactment of this Act, the
8 Secretary shall submit to the congressional defense com-
9 mittees the study conducted pursuant to subsection (a).