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:

At the end of subtitle C of title XIV, add the following:

**SEC. 1422. NATIONAL ACADEMIES OF SCIENCES STUDY ON CONVENTIONAL MUNITIONS DEMILITARIZATION ALTERNATIVE TECHNOLOGIES.**

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

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

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

(1) A review of the current conventional munitions demilitarization stockpile, including types of munitions and types of materials contaminated with propellants or energetics, and the disposal technologies used.

(2) An analysis of disposal, treatment, and reuse technologies, including technologies currently used by the Department and emerging technologies used or being developed by private or other governmental agencies, including a comparison of cost, throughput capacity, personnel safety, and environmental impacts.

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

(4) An identification and evaluation of any barriers to full-scale deployment of alternatives to open burning, open detonation, or non-closed loop incineration/combustion, and recommendations to overcome such barriers.

(5) An evaluation whether the maturation and deployment of governmental or private technologies currently in research and development would enhance the conventional munitions demilitarization capabilities of the Department.

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