To direct the Secretary of Defense to carry out certain activities to ensure the readiness of the Department of Defense with respect to joint electromagnetic spectrum operations.

IN THE HOUSE OF REPRESENTATIVES

APRIL 16, 2018

Mr. Bacon (for himself, Mr. Austin Scott of Georgia, Mr. Panetta, and Mr. Carbajal) introduced the following bill; which was referred to the Committee on Armed Services

A BILL

To direct the Secretary of Defense to carry out certain activities to ensure the readiness of the Department of Defense with respect to joint electromagnetic spectrum operations.

Be it enacted by the Senate and House of Representa-
tives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the “Joint Electromagnetic Spectrum Operations Readiness Act of 2018”.

SEC. 2. FINDINGS.

Congress finds the following:
(1) Dominance of the electromagnetic spectrum is central to the success of the National Defense Strategy.

(2) The efforts of the Department of Defense to restore its capability to dominate the electromagnetic spectrum against peer competitors must be accelerated.

(3) Despite renewed interest by the Department of Defense and the military services in electronic warfare modernization, the efforts of the Department lack joint coherence and the unified governance framework necessary to optimize and speed research, procurement, sustainment, force development, and joint interoperability.

**SEC. 3. JOINT CAMPAIGN MODELING CAPABILITY.**

The Secretary of Defense shall develop and implement a capability to conduct joint campaign modeling for joint electromagnetic spectrum operations. The capability shall be used—

(1) to assess the overall effectiveness of such operations;

(2) to assess the capability requirements and force sufficiency requirements for such operations;

(3) to assess the requirements and resources necessary for electromagnetic battle management to
effectively command and control military capabilities required for the conduct of such operations;

(4) to assess the requirements and resources necessary to provide coordinated assessment and fusion of electromagnetic spectrum data and information to the joint force required in order to command and control such operations;

(5) to inform future budget requests of the Department of Defense relating to such operations; and

(6) to inform joint adaptive planning activities for such operations.

SEC. 4. ASSESSMENT OF CAPABILITIES AND CAPACITY.

The Secretary of Defense shall conduct an assessment of required joint electromagnetic spectrum operations capabilities and capacity based on a review of all level 3 and level 4 contingency plans (as such plans are described in Joint Publication 5–0 of the Joint Chiefs of Staff, titled “Joint Planning” and dated June 16, 2017).

SEC. 5. INTERIM REPORT.

(a) IN GENERAL.—Not later than January 31, 2019, the Secretary of Defense shall submit to the congressional defense committees a report on the readiness of the Department of Defense with respect to joint electromagnetic spectrum operations.
(b) Report Described.—The report required under subsection (a) shall include—

(1) recommendations regarding the amount of funding required to develop and implement the joint campaign modeling capability under section 3;

(2) a copy of the capabilities and capacity assessment conducted under section 4;

(3) an assessment of the efficacy of existing Department of Defense ranges for experimentation, testing, and training of electromagnetic warfare capabilities, including recommendations regarding the amount of funds required to improve threat simulators, instrumentation and data collection, and overall training utility to the extent necessary to achieve readiness in joint electromagnetic spectrum operations;

(4) the number of personnel assigned to joint electromagnetic spectrum operations mission activities, including officers, enlisted members, and civilian personnel, set forth separately by career field designator and rank for each military service, combatant command, and defense agency;

(5) a comparison of commissioned officer promotion rates among the personnel described in paragraph (4), by grade, compared to the average pro-
motion rates for commissioned officers, by grade, in each military service, over the five most recent promotion cycles completed before the date on which the report is submitted;

(6) a description of—

(A) the progress of the Department in establishing and operationalizing joint electromagnetic spectrum operations cells at critical combatant command and joint task force locations; and

(B) the resources needed to establish a network to connect an electromagnetic battle management system to multiple sensor and intelligence data feeds to implement electronic warfare battle management for networked electronic warfare and dynamic reprogramming with automated near real-time capabilities; and

(7) an assessment of organizations, human capital, and other resources dedicated to the development and management of joint electromagnetic spectrum operations policy, doctrine, concepts, requirements, capabilities, and activities, which shall include—

(A) a review of the mission, alignment, effectiveness and resource efficiency of existing
joint organizations with responsibility for such
operations such as the the Joint Electronic
Warfare Center, the Joint Electromagnetic Pre-
paredness for Advanced Combat, the Joint
Spectrum Center, the Joint Navigation Warfare
Center, and the Electromagnetic Space Analysis
Center;

(B) a review of the offices within the Joint
Staff and the Office of the Secretary of Defense
with primary responsibility for joint electro-
magnetic spectrum policy and operations; and

(C) recommendations for organizational
changes to enhance coordination, effectiveness,
and resource efficiency with respect to joint
electromagnetic spectrum policy and operations
across the Department of Defense.

SEC. 6. ANNUAL REPORTS.

(a) In General.—Together with budget of the
President submitted to Congress under section 1105(a) of
title 31, United States Code, for each of fiscal years 2020
through 2024, the Secretary of Defense shall submit to
the congressional defense committees—

(1) an assessment of the readiness and mod-
ernization efforts of the Department of Defense with
respect to joint electromagnetic spectrum operations;

and

(2) a description of, and justification for, all
funding requests relating to joint electromagnetic
spectrum operations, including any funding requests
for programs, activities, and personnel associated
with such operations.

(b) FORM.—Each report under subsection (a) shall
be submitted in unclassified form, but may include a clas-
sified annex.

SEC. 7. DEFINITIONS.

In this Act:

(1) The term “congressional defense commit-
tees” has the meaning given that term in section
101(a)(16) of title 10, United States Code.

(2) The term “electromagnetic battle manage-
ment” means the dynamic monitoring, assessing,
planning, and directing of joint electromagnetic
spectrum operations in support of a military com-
mander’s scheme of maneuver.

(3) The term “joint electromagnetic spectrum
operations” means those activities consisting of elec-
tronic warfare and joint electromagnetic spectrum
management operations used to exploit, attack, pro-
tect, and manage the electromagnetic operational en-
environment to achieve a military commander’s objec-
tives.