

119TH CONGRESS
1ST SESSION

S. 2277

To require the Secretary of Defense to submit a report on risks to the Global Positioning System and associated positioning, navigation, and timing services.

IN THE SENATE OF THE UNITED STATES

JULY 15, 2025

Ms. HASSAN (for herself and Mr. LANKFORD) introduced the following bill;
which was read twice and referred to the Committee on Armed Services

A BILL

To require the Secretary of Defense to submit a report on risks to the Global Positioning System and associated positioning, navigation, and timing services.

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

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “GPS Resiliency Report
5 Act”.

1 **SEC. 2. REPORT ON RISKS TO GLOBAL POSITIONING SYS-**
2 **TEM AND ASSOCIATED POSITIONING, NAVI-**
3 **GATION, AND TIMING SERVICES.**

4 (a) IN GENERAL.—Not later than one year after the
5 date of the enactment of this Act, the Secretary of Defense
6 shall submit to the appropriate committees of Congress
7 a report on risks to the Global Positioning System and
8 associated positioning, navigation, and timing services.

9 (b) ELEMENTS.—The report required by subsection
10 (a) shall include the following:

11 (1) A description of risks posed by a lack of ac-
12 cess to the Global Positioning System and associated
13 positioning, navigation, and timing services during a
14 potential conflict in which the United States involved
15 or in the case of an attack on a United States ally.

16 (2) A description of risks to United States allies
17 from a disruption of access to the Global Positioning
18 System and associated positioning, navigation, and
19 timing services provided by the United States.

20 (3) An assessment of each of the following:

21 (A) The capabilities of competitor coun-
22 tries, including the People's Republic of China,
23 the Russian Federation, Iran, and the Demo-
24 cratic People's Republic of Korea, to degrade or
25 deny United States access to the Global Posi-
26 tioning System and associated positioning, navi-

1 gation, and timing services during a potential
2 conflict with the United States or in the case of
3 an attack on a United States ally.

4 (B) Current Department of Defense efforts
5 to develop or procure technology or systems to
6 provide redundant global positioning and posi-
7 tioning, navigation, and timing capabilities, in-
8 cluding space-based and terrestrial-based (in-
9 cluding quantum sensing technology) efforts.

10 (C) The ability of the Resilient Global Po-
11 sitioning System (R-GPS) program of the
12 Space Force to achieve, not later than 10 years
13 after the date of the enactment of this Act, full
14 capacity to provide Global Positioning System
15 resilience to existing United States satellites.

16 (4) A framework for developing a full-scale ter-
17 restrial-based Global Positioning System redundancy
18 system that could be operational not later than 15
19 years after the date of the enactment of this Act.

20 (c) FORM.—The report required by subsection (a)
21 shall be submitted in unclassified form but may include
22 a classified annex.

23 (d) DEFINITIONS.—In this section:

1 (1) APPROPRIATE COMMITTEES OF CON-
2 GRESS.—The term “appropriate committees of Con-
3 gress” means—

4 (A) the Committee on Armed Services, the
5 Select Committee on Intelligence, and the Com-
6 mittee on Homeland Security and Govern-
7 mental Affairs of the Senate; and

8 (B) the Committee on Armed Services, the
9 Permanent Select Committee on Intelligence,
10 and the Committee on Homeland Security of
11 the House of Representatives.

12 (2) UNITED STATES ALLY.—The term “United
13 States ally” means—

14 (A) a member country of the North Atlan-
15 tic Treaty Organization;

16 (B) a major non-NATO ally (as defined in
17 section 644(q) of the Foreign Assistance Act of
18 1961 (22 U.S.C. 2403(q))); and

19 (C) Taiwan.

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