

119TH CONGRESS
2D SESSION

S. 5139

To require the Secretary of Defense to support development of quantum technologies, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JULY 27, 2026

Mr. ROUNDS (for himself and Mr. BLUMENTHAL) 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 support development of quantum technologies, and for other purposes.

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 “National Quantum
5 Readiness Act of 2026”.

6 **SEC. 2. SUPPORT FOR DEVELOPMENT OF QUANTUM TECH-**
7 **NOLOGIES.**

8 (a) DEPLOYING QUANTUM-ENABLED SENSORS AND
9 NETWORKS.—Not later than 60 days after the date of the
10 enactment of this Act, the Secretary of Defense shall iden-

1 tify three next-generation quantum sensor projects to
2 prioritize in order to field these sensors by September 30,
3 2028.

4 (b) DEVELOPMENT OF QUANTUM-ENABLING COMPO-
5 NENT TECHNOLOGIES.—Not later than 120 days after the
6 date of the enactment of this Act, the Secretary of De-
7 fense, the Secretary of Commerce, the Secretary of En-
8 ergy, and the Director of the National Science Foundation
9 shall, in coordination with the Director of the Office of
10 Science and Technology Policy and the Director of the Of-
11 fice of Management and Budget, jointly develop a plan
12 to encourage and partner with the private sector, poten-
13 tially through the use of prize challenges or advance mar-
14 ket commitments—

15 (1) to develop quantum-enabling component
16 technologies in the United States; and

17 (2) to identify any legislative or administrative
18 action required to address quantum-specific market
19 hurdles.

20 (c) INCREASING DOMESTIC ACCESS TO DEFENSE
21 FOUNDRY RESOURCES.—Not later than 180 days after
22 the date of the enactment of this Act, the Secretary of
23 Defense shall, in consultation with such heads of Federal
24 agencies as the Secretary considers appropriate, take such
25 steps as the Secretary considers appropriate—

- 1 (1) to increase domestic access to Department-
2 sponsors quantum information science and tech-
3 nology-relevant foundry resources; and
- 4 (2) strengthen efforts to improve access to crit-
5 ical quantum information science and technology
6 supply chains.

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