

119TH CONGRESS
2D SESSION

H. R. 10130

To direct the Secretary of the Army to establish an Army Quantum Readiness and Advanced Computing Initiative, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

AUGUST 20, 2026

Mr. MOORE of North Carolina introduced the following bill; which was referred to the Committee on Armed Services

A BILL

To direct the Secretary of the Army to establish an Army Quantum Readiness and Advanced Computing Initiative, 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 “Army Quantum Readiness Act”.

6 **SEC. 2. ARMY QUANTUM READINESS AND ADVANCED COM-**
7 **PUTING INITIATIVE.**

8 (a) ESTABLISHMENT.—The Secretary of the Army
9 shall establish an Army Quantum Readiness and Ad-
10 vanced Computing Initiative to prepare the Department

1 of the Army for the integration of quantum computing,
2 quantum-enabled technologies, and advanced computing
3 capabilities into future operational, intelligence, logistics,
4 and command-and-control missions.

5 (b) OBJECTIVES.—The Initiative shall—

6 (1) identify Army operational applications of
7 quantum computing, quantum sensing, quantum
8 networking, and quantum-enabled artificial intel-
9 ligence;

10 (2) assess infrastructure requirements nec-
11 essary to support future quantum and advanced
12 computing capabilities, including power, cooling, net-
13 working, cybersecurity, and secure facilities;

14 (3) evaluate acquisition pathways capable of ac-
15 celerating the transition of quantum technologies
16 from research and development into operational use;

17 (4) identify opportunities to leverage partner-
18 ships among Army laboratories, academic institu-
19 tions, federally funded research and development
20 centers, and private industry;

21 (5) develop a workforce strategy to support fu-
22 ture Army quantum and advanced computing re-
23 quirements; and

1 (6) establish pilot projects to evaluate advanced
2 computing infrastructure supporting future quan-
3 tum-enabled capabilities.

4 (c) QUANTUM READINESS DEMONSTRATION ACTIVI-
5 TIES.—The Secretary may establish demonstration activi-
6 ties to evaluate—

7 (1) advanced computing architectures sup-
8 porting quantum technologies;

9 (2) quantum-enabled artificial intelligence appli-
10 cations;

11 (3) post-quantum cybersecurity capabilities;

12 (4) resilient and secure networking architec-
13 tures; and

14 (5) infrastructure necessary to support future
15 Army quantum capabilities.

16 (d) REPORT.—Not later than 270 days after the date
17 of the enactment of this Act, the Secretary of the Army
18 shall submit to the congressional defense committees (as
19 defined in section 101(a) of title 10, United States Code)
20 a report describing—

21 (1) Army quantum readiness requirements;

22 (2) recommended infrastructure investments;

23 (3) workforce and educational requirements;

24 (4) recommended pilot and demonstration ac-
25 tivities; and

- 1 (5) legislative or acquisition authorities nec-
- 2 essary to accelerate Army quantum readiness.

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