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(Original Signature of Member)

116TH CONGRESS
2D SESSION

H. R. _____

To require the Secretary of Commerce to conduct a study on quantum computing, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. GRIFFITH introduced the following bill; which was referred to the Committee on _____

A BILL

To require the Secretary of Commerce to conduct a study on quantum computing, 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 “Advancing Quantum
5 Computing Act”.

6 **SEC. 2. QUANTUM COMPUTING STUDY.**

7 (a) IN GENERAL.—

8 (1) STUDY REQUIRED.—Not later than 2 years
9 after the date of the enactment of this Act, the Sec-

1 retary of Commerce, in coordination with the head
2 of any other appropriate Federal agency, shall con-
3 duct a study on the impact of quantum computing
4 on United States businesses conducting interstate
5 commerce.

6 (2) REQUIREMENTS FOR STUDY.—In con-
7 ducting the study, the Secretary shall do the fol-
8 lowing:

9 (A) Conduct a survey of quantum com-
10 puting through outreach to participating enti-
11 ties to—

12 (i) establish a list of the industry sec-
13 tors that develop and use quantum com-
14 puting;

15 (ii) establish a list of public-private
16 partnerships focused on promoting the ~~de-~~
17 ~~velopment~~, adoption, and use of quantum
18 computing;

19 (iii) provide a description of the ways
20 such ~~entities or~~ industry sectors develop,
21 use, or promote the use of quantum com-
22 puting; and

23 (iv) provide a description of some of
24 the advantages or disadvantages quantum

1 computing may present for United States
2 businesses.

3 (B) Conduct a survey of Federal activity
4 related to quantum computing to—

5 (i) establish a comprehensive list of
6 Federal agencies asserting jurisdiction over
7 entities and industry sectors identified
8 under subparagraph (A)(i);

9 (ii) identify all interagency activities
10 related to quantum computing;

11 (iii) develop a brief description of the
12 jurisdiction and expertise of the Federal
13 agencies as it relates to quantum com-
14 puting; and

15 (iv) identify each Federal rule, regula-
16 tion, guideline, policy, and other Federal
17 activity implemented by each Federal agen-
18 cy.

19 (C) Conduct an international survey of
20 other countries to establish a compendium at
21 least 10 and not more than 15 countries con-
22 sisting of each country's national strategy on
23 quantum computing to determine where the
24 United States ranks with respect to the ~~devel-~~
25 ~~opment and~~ adoption of quantum computing.

1 (D) Conduct a survey of the marketplace
2 and supply chain of quantum computing to—

3 (i) assess the severity of risks posed
4 to such marketplace and supply chain;

5 (ii) review the ability of foreign gov-
6 ernments or third parties to exploit such
7 supply chain in a manner that raises risks
8 to the economic and national security of
9 the United States; and

10 (iii) identify emerging risks and long-
11 term trends in such marketplace and sup-
12 ply chain.

13 (b) REPORT TO CONGRESS.—Not later than 6
14 months after the completion of the study required pursu-
15 ant to subsection (a), the Secretary, in coordination with
16 the head of any other appropriate Federal agency, shall
17 submit to the Committee on Energy and Commerce of the
18 House of Representatives and the Committee on Com-
19 merce, Science, and Transportation of the Senate a report
20 that contains—

21 (1) the results of the study conducted under
22 subsection (a); and

23 (2) recommendations to—

24 (A) address any duplicative Federal rule,
25 regulation, guideline, policy, and other Federal

1 activity acting as a barrier to the ~~development~~
2 ~~and~~ adoption of quantum computing;

3 (B) develop and implement a comprehen-
4 sive plan to promote the growth of the ~~develop-~~
5 ~~ment and~~ adoption of quantum computing;

6 (C) develop policies that States can adopt
7 to encourage the growth of quantum computing;

8 (D) develop a national strategy to advance
9 the position in the world of business sectors in
10 the United States on the ~~development and~~
11 adoption of quantum computing;

12 (E) develop strategies to mitigate current
13 and emerging risks to the marketplace and sup-
14 ply chain of quantum computing; and

15 (F) develop legislation to accomplish such
16 recommendations.