116TH CONGRESS
2D SESSION

H. R. _____

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

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IN THE HOUSE OF REPRESENTATIVES

Mr. Griffith introduced the following bill; which was referred to the Committee on __________________

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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 Representatives of the United States of America in Congress assembled,

2 SECTION 1. SHORT TITLE.

3 This Act may be cited as the “Advancing Quantum Computing Act”.

4 SEC. 2. QUANTUM COMPUTING STUDY.

5 (a) IN GENERAL.—

6 (1) STUDY REQUIRED.—Not later than 2 years after the date of the enactment of this Act, the See-
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retary of Commerce, in coordination with the head
of any other appropriate Federal agency, shall con-
duct a study on the impact of quantum computing
on United States businesses conducting interstate
commerce.

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

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

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

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

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

(iv) provide a description of some of
the advantages or disadvantages quantum
computing may present for United States businesses.

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

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

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

(iii) develop a brief description of the jurisdiction and expertise of the Federal agencies as it relates to quantum computing; and

(iv) identify each Federal rule, regulation, guideline, policy, and other Federal activity implemented by each Federal agency.

(C) Conduct an international survey of other countries to establish a compendium at least 10 and not more than 15 countries consisting of each country’s national strategy on quantum computing to determine where the United States ranks with respect to the development and adoption of quantum computing.
(D) Conduct a survey of the marketplace and supply chain of quantum computing to—

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

(ii) review the ability of foreign governments or third parties to exploit such supply chain in a manner that raises risks to the economic and national security of the United States; and

(iii) identify emerging risks and long-term trends in such marketplace and supply chain.

(b) REPORT TO CONGRESS.—Not later than 6 months after the completion of the study required pursuant to subsection (a), the Secretary, in coordination with the head of any other appropriate Federal agency, shall submit to the Committee on Energy and Commerce of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report that contains—

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

(2) recommendations to—

(A) address any duplicative Federal rule, regulation, guideline, policy, and other Federal
activity acting as a barrier to the development and adoption of quantum computing;

(B) develop and implement a comprehensive plan to promote the growth of the development and adoption of quantum computing;

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

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

(E) develop strategies to mitigate current and emerging risks to the marketplace and supply chain of quantum computing; and

(F) develop legislation to accomplish such recommendations.