AMENDMENT TO RULES COMMITTEE PRINT 115–23

OFFERED BY MR. SOTO OF FLORIDA

At the end of title II, add the following new section:

SEC. 2. REPORT ON QUANTUM COMPUTING.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Director of the National Institute of Standards and Technology and the heads of such other Federal agencies as the Secretary determines to be appropriate, shall submit to the congressional defense committees a report on the current state and potential of quantum computing.

(b) ELEMENTS.—The report under subsection (a) shall include the following:

(1) A description of the current state of quantum computing, including a comparison in the research status of the United States and other countries.

(2) A forecast of the developments in quantum computing technologies over the next ten to twenty years and the defense implications these could pose, including threats to cybersecurity.
(3) Recommendations for updates to technological infrastructure or funding initiatives that are necessary to address emerging threats posed by quantum computing.

(4) A description of any intellectual property issues that could prevent private investment in quantum computing research.

(5) Recommendations for strategies to promote the development of quantum computing technologies domestically, and a description of the advantages to the United States of being the leader in such technology.

(6) A description of the potential offensive uses of quantum computing and the contributions this would make to enhanced national security interests.

(7) Any other information or recommendations determined to be relevant by the Secretary of Defense.