AMENDMENT TO RULES COMMITTEE PRINT 116-19

OFFERED BY MR. PANETTA OF CALIFORNIA

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

SEC. 2. MODIFICATION OF DEFENSE QUANTUM INFORMATION SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.


(1) in subsection (c)—

(A) in paragraph (2), by striking the semicolon at the end and inserting “, including through coordination with—

“(A) the National Quantum Coordination Office;“

“(B) the subcommittee on Quantum Information Science and the subcommittee on Economic and Security Implications of Quantum Science of the National Science and Technology Council;
“(C) the Quantum Economic Development
Consortium;
“(D) the Under Secretary of Defense for
Acquisition and Sustainment
“(E) the Industrial Policy office of the De-
partment of Defense;
“(F) industry;
“(G) academic institutions; and
“(H) national laboratories;”;
(B) by redesignating paragraphs (3) and
(4) as paragraphs (5) and (8), respectively;
(C) by inserting after paragraph (2) the
following new paragraphs:
“(3) develop, in coordination with the entities
listed in paragraph (2), plans for workforce develop-
ment, enhancing awareness and reducing risk of
cybersecurity threats, and the development of ethical
guidelines for the use of quantum technology;
“(4) develop, in coordination with the National
Institute of Standards and Technology, a quantum
science taxonomy and requirements for technology
and standards;”;
(D) in paragraph (5) (as so redesignated),
by striking “and” at the end;
(E) by inserting after paragraph (5) (as so redesignated) the following new paragraphs:

“(6) support efforts to increase the technology readiness level of quantum technologies under development in the United States;

“(7) coordinate quantum technology initiatives with allies of the United States, including by coordinating with allies through The Technical Cooperation Program; and”;

(F) in paragraph (8) (as so redesignated), by striking “meeting the long-term challenges and achieving the specific technical goals” and inserting “carrying out the program required by subsection (a)”;

(2) in subsection (d)—

(A) by redesignating subparagraphs (C) through (E) as subparagraphs (E) through (G), respectively; and

(B) by inserting after subparagraph (B) the following new subparagraphs:

“(C) A quantum technology roadmap indicating the likely timeframes for development and military deployment of quantum technologies, and likely relative national security impact of such technologies.
“(D) A description of efforts to update classification and cybersecurity practices surrounding quantum technology, including—

“(i) security processes and requirements for engagement with allied countries; and

“(ii) a plan for security-cleared workforce development.”.