

S 3143

National Quantum Initiative Act

Congress: 115 (2017–2019, Ended)

Chamber: Senate

Policy Area: Science, Technology, Communications

Introduced: Jun 26, 2018

Current Status: Placed on Senate Legislative Calendar under General Orders. Calendar No. 676.

Latest Action: Placed on Senate Legislative Calendar under General Orders. Calendar No. 676. (Nov 27, 2018)

Official Text: <https://www.congress.gov/bill/115th-congress/senate-bill/3143>

Sponsor

Name: Sen. Thune, John [R-SD]

Party: Republican • **State:** SD • **Chamber:** Senate

Cosponsors (5 total)

Cosponsor	Party / State	Role	Date Joined
Sen. Nelson, Bill [D-FL]	D · FL		Jun 26, 2018
Sen. Gardner, Cory [R-CO]	R · CO		Jul 31, 2018
Sen. Harris, Kamala D. [D-CA]	D · CA		Jul 31, 2018
Sen. Daines, Steve [R-MT]	R · MT		Sep 27, 2018
Sen. Rubio, Marco [R-FL]	R · FL		Sep 27, 2018

Committee Activity

Committee	Chamber	Activity	Date
Commerce, Science, and Transportation Committee	Senate	Reported By	Nov 27, 2018

Subjects & Policy Tags

Policy Area:

Science, Technology, Communications

Related Bills

Bill	Relationship	Last Action
115 HR 6227	Related bill	Dec 21, 2018: Became Public Law No: 115-368.

National Quantum Initiative Act

This bill directs the President to implement a National Quantum Initiative Program to, among other things, establish the goals and priorities for a 10-year plan to accelerate the development of quantum information science and technology applications.

The bill defines "quantum information science" as the use of quantum mechanics for the storage, transmission, manipulation, or measurement of information in ways that offer advantages to classical capabilities.

The National Science and Technology Council shall establish a Subcommittee on Quantum Information Science, including membership from the National Institute of Standards and Technology (NIST) and the National Aeronautics and Space Administration (NASA) to guide program activities.

The President must establish a National Quantum Initiative Advisory Committee to advise the President and subcommittee on the program and quantum information science trends and developments.

NIST shall carry out specified quantum science activities and convene a consortium to discuss the development of a quantum information science and technology industry.

The National Science Foundation shall:

- carry out a basic research and education program on quantum information science and engineering, and
- award grants for the establishment of Multidisciplinary Centers for Quantum Research and Education.

Actions Timeline

- **Nov 27, 2018:** Committee on Commerce, Science, and Transportation. Reported by Senator Thune with an amendment in the nature of a substitute. With written report No. 115-389.
- **Nov 27, 2018:** Placed on Senate Legislative Calendar under General Orders. Calendar No. 676.
- **Aug 1, 2018:** Committee on Commerce, Science, and Transportation. Ordered to be reported with an amendment in the nature of a substitute favorably.
- **Jun 26, 2018:** Introduced in Senate
- **Jun 26, 2018:** Read twice and referred to the Committee on Commerce, Science, and Transportation.