

## HR 6227

National Quantum Initiative Act

**Congress:** 115 (2017–2019, Ended)

**Chamber:** House

**Policy Area:** Science, Technology, Communications

**Introduced:** Jun 26, 2018

**Current Status:** Became Public Law No: 115-368.

**Latest Action:** Became Public Law No: 115-368. (Dec 21, 2018)

**Law:** 115-368 (Enacted Dec 21, 2018)

**Official Text:** <https://www.congress.gov/bill/115th-congress/house-bill/6227>

### Sponsor

**Name:** Rep. Smith, Lamar [R-TX-21]

**Party:** Republican • **State:** TX • **Chamber:** House

## Cosponsors (36 total)

| Cosponsor                             | Party / State | Role | Date Joined  |
|---------------------------------------|---------------|------|--------------|
| Rep. Abraham, Ralph Lee [R-LA-5]      | R · LA        |      | Jun 26, 2018 |
| Rep. Babin, Brian [R-TX-36]           | R · TX        |      | Jun 26, 2018 |
| Rep. Beyer, Donald S., Jr. [D-VA-8]   | D · VA        |      | Jun 26, 2018 |
| Rep. Biggs, Andy [R-AZ-5]             | R · AZ        |      | Jun 26, 2018 |
| Rep. Bonamici, Suzanne [D-OR-1]       | D · OR        |      | Jun 26, 2018 |
| Rep. Brooks, Mo [R-AL-5]              | R · AL        |      | Jun 26, 2018 |
| Rep. Comstock, Barbara [R-VA-10]      | R · VA        |      | Jun 26, 2018 |
| Rep. Dunn, Neal P. [R-FL-2]           | R · FL        |      | Jun 26, 2018 |
| Rep. Esty, Elizabeth H. [D-CT-5]      | D · CT        |      | Jun 26, 2018 |
| Rep. Foster, Bill [D-IL-11]           | D · IL        |      | Jun 26, 2018 |
| Rep. Hanabusa, Colleen [D-HI-1]       | D · HI        |      | Jun 26, 2018 |
| Rep. Higgins, Clay [R-LA-3]           | R · LA        |      | Jun 26, 2018 |
| Rep. Hultgren, Randy [R-IL-14]        | R · IL        |      | Jun 26, 2018 |
| Rep. Hurd, Will [R-TX-23]             | R · TX        |      | Jun 26, 2018 |
| Rep. Johnson, Eddie Bernice [D-TX-30] | D · TX        |      | Jun 26, 2018 |
| Rep. Knight, Stephen [R-CA-25]        | R · CA        |      | Jun 26, 2018 |
| Rep. Lesko, Debbie [R-AZ-8]           | R · AZ        |      | Jun 26, 2018 |
| Rep. Lipinski, Daniel [D-IL-3]        | D · IL        |      | Jun 26, 2018 |
| Rep. Lofgren, Zoe [D-CA-19]           | D · CA        |      | Jun 26, 2018 |
| Rep. Loudermilk, Barry [R-GA-11]      | R · GA        |      | Jun 26, 2018 |
| Rep. Lucas, Frank D. [R-OK-3]         | R · OK        |      | Jun 26, 2018 |
| Rep. Marshall, Roger [R-KS-1]         | R · KS        |      | Jun 26, 2018 |
| Rep. McNerney, Jerry [D-CA-9]         | D · CA        |      | Jun 26, 2018 |
| Rep. Norman, Ralph [R-SC-5]           | R · SC        |      | Jun 26, 2018 |
| Rep. Posey, Bill [R-FL-8]             | R · FL        |      | Jun 26, 2018 |
| Rep. Rohrabacher, Dana [R-CA-48]      | R · CA        |      | Jun 26, 2018 |
| Rep. Rosen, Jacky [D-NV-3]            | D · NV        |      | Jun 26, 2018 |
| Rep. Schweikert, David [R-AZ-6]       | R · AZ        |      | Jun 26, 2018 |
| Rep. Takano, Mark [D-CA-41]           | D · CA        |      | Jun 26, 2018 |
| Rep. Tonko, Paul [D-NY-20]            | D · NY        |      | Jun 26, 2018 |
| Rep. Weber, Randy K., Sr. [R-TX-14]   | R · TX        |      | Jun 26, 2018 |
| Rep. DeFazio, Peter A. [D-OR-4]       | D · OR        |      | Jul 24, 2018 |
| Rep. Westerman, Bruce [R-AR-4]        | R · AR        |      | Jul 24, 2018 |
| Rep. Cartwright, Matt [D-PA-17]       | D · PA        |      | Sep 5, 2018  |
| Rep. Carbajal, Salud O. [D-CA-24]     | D · CA        |      | Sep 6, 2018  |
| Rep. Balderson, Troy [R-OH-12]        | R · OH        |      | Sep 12, 2018 |

## Committee Activity

| Committee                                       | Chamber | Activity        | Date         |
|---|---------|-----------------|--------------|
| Commerce, Science, and Transportation Committee | Senate  | Discharged From | Dec 14, 2018 |
| Science, Space, and Technology Committee        | House   | Reported By     | Sep 13, 2018 |

## Subjects & Policy Tags

### Policy Area:

Science, Technology, Communications

### Related Bills

| Bill       | Relationship | Last Action   |
|------------|--------------|---|
| 115 S 3143 | Related bill | Nov 27, 2018: Placed on Senate Legislative Calendar under General Orders. Calendar No. 676. |

### Summary (as of Dec 21, 2018)

#### National Quantum Initiative Act

##### TITLE I--NATIONAL QUANTUM INITIATIVE

(Sec. 101) 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.

Quantum information science is the use of the laws of quantum physics for the storage, transmission, manipulation, or measurement of information.

(Sec. 103) 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.

(Sec. 104) The President must establish a National Quantum Initiative Advisory Committee to advise the President and subcommittee on the program and trends and developments in quantum information science and technology.

##### TITLE II--NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY QUANTUM ACTIVITIES

(Sec. 201) NIST shall carry out specified quantum science activities and convene a consortium to identify the future measurement, standards, cybersecurity, and other needs to support the development of a quantum information science and technology industry.

##### TITLE III--NATIONAL SCIENCE FOUNDATION QUANTUM ACTIVITIES

(Sec. 301) 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.

##### TITLE IV--DEPARTMENT OF ENERGY QUANTUM ACTIVITIES

(Sec. 401) The Department of Energy (DOE) shall carry out a basic research program on quantum information science.

(Sec. 402) The Office of Science of DOE shall establish and operate National Quantum Information Science Research Centers to conduct basic research to accelerate scientific breakthroughs in quantum information science and technology.

## Actions Timeline

---

- **Dec 21, 2018:** Presented to President.
- **Dec 21, 2018:** Signed by President.
- **Dec 21, 2018:** Became Public Law No: 115-368.
- **Dec 19, 2018:** Mr. Smith (TX) moved that the House suspend the rules and agree to the Senate amendment. (consideration: CR H10297-10302, H10317-10318)
- **Dec 19, 2018:** DEBATE - The House proceeded with forty minutes of debate on the motion to suspend the rules and agree to the Senate amendment to H.R. 6227.
- **Dec 19, 2018:** At the conclusion of debate, the chair put the question on the motion to suspend the rules. Mr. Smith (TX) objected to the Yea - Nay vote on the grounds that a quorum was not present. Further proceedings on the motion were postponed. The point of no quorum was considered as withdrawn.
- **Dec 19, 2018:** Resolving differences -- House actions: On motion that the House suspend the rules and agree to the Senate amendment Agreed to by recorded vote (2/3 required): 348 - 11 (Roll no. 442). (text: CR H10298-10300)
- **Dec 19, 2018:** On motion that the House suspend the rules and agree to the Senate amendment Agreed to by recorded vote (2/3 required): 348 - 11 (Roll no. 442). (text: CR H10298-10300)
- **Dec 19, 2018:** Motion to reconsider laid on the table Agreed to without objection.
- **Dec 17, 2018:** Message on Senate action sent to the House.
- **Dec 13, 2018:** Senate Committee on Commerce, Science, and Transportation discharged by Unanimous Consent.
- **Dec 13, 2018:** Measure laid before Senate by unanimous consent. (consideration: CR S7625)
- **Dec 13, 2018:** Passed/agreed to in Senate: Passed Senate with an amendment by Unanimous Consent.
- **Dec 13, 2018:** Passed Senate with an amendment by Unanimous Consent.
- **Sep 17, 2018:** Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation.
- **Sep 13, 2018:** Reported (Amended) by the Committee on Science, Space, and Technology. H. Rept. 115-950.
- **Sep 13, 2018:** Placed on the Union Calendar, Calendar No. 740.
- **Sep 13, 2018:** Mr. Smith (TX) moved to suspend the rules and pass the bill, as amended.
- **Sep 13, 2018:** Considered under suspension of the rules. (consideration: CR H8229-8234)
- **Sep 13, 2018:** DEBATE - The House proceeded with forty minutes of debate on H.R. 6227.
- **Sep 13, 2018:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote. (text: CR H8229-8231)
- **Sep 13, 2018:** On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote. (text: CR H8229-8231)
- **Sep 13, 2018:** Motion to reconsider laid on the table Agreed to without objection.
- **Jun 27, 2018:** Committee Consideration and Mark-up Session Held.
- **Jun 27, 2018:** Ordered to be Reported (Amended) by Voice Vote.
- **Jun 26, 2018:** Introduced in House
- **Jun 26, 2018:** Referred to the House Committee on Science, Space, and Technology.