

HR 7535

Quantum Computing Cybersecurity Preparedness Act

Congress: 117 (2021–2023, Ended)

Chamber: House

Policy Area: Government Operations and Politics

Introduced: Apr 18, 2022

Current Status: Became Public Law No: 117-260.

Latest Action: Became Public Law No: 117-260. (Dec 21, 2022)

Law: 117-260 (Enacted Dec 21, 2022)

Official Text: <https://www.congress.gov/bill/117th-congress/house-bill/7535>

Sponsor

Name: Rep. Khanna, Ro [D-CA-17]

Party: Democratic • **State:** CA • **Chamber:** House

Cosponsors (4 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Connolly, Gerald E. [D-VA-11]	D · VA		Apr 18, 2022
Rep. Mace, Nancy [R-SC-1]	R · SC		Apr 18, 2022
Rep. Raskin, Jamie [D-MD-8]	D · MD		May 13, 2022
Rep. Emmer, Tom [R-MN-6]	R · MN		Jun 7, 2022

Committee Activity

Committee	Chamber	Activity	Date
Homeland Security and Governmental Affairs Committee	Senate	Discharged From	Dec 8, 2022
Oversight and Government Reform Committee	House	Markup By	May 11, 2022

Subjects & Policy Tags

Policy Area:

Government Operations and Politics

Related Bills

Bill	Relationship	Last Action
117 S 4592	Related bill	Dec 13, 2022: Placed on Senate Legislative Calendar under General Orders. Calendar No. 635.

Quantum Computing Cybersecurity Preparedness Act

This act addresses the migration of executive agencies' information technology systems to post-quantum cryptography. Post-quantum cryptography is encryption strong enough to resist attacks from quantum computers developed in the future. The act does not apply to national security systems.

The Office of Management and Budget (OMB) shall issue guidance on the migration of information technology to post-quantum cryptography.

Each executive agency must maintain an inventory of all information technology in use by the executive agency that is vulnerable to decryption by quantum computers.

After the National Institutes of Standards and Technology (NIST) has issued post-quantum cryptography standards, the OMB shall issue guidance requiring each executive agency to develop a plan to migrate information technology of the agency to post-quantum cryptography.

OMB shall submit to Congress a report on

- a strategy to address the risk posed by the vulnerabilities of information technology of executive agencies to weakened encryption due to the potential and possible capability of a quantum computer to breach such encryption;
- the funding needed by executive agencies to secure such information technology from the risk posed by an adversary of the United States using a quantum computer to breach the encryption; and
- a description of federal civilian executive branch coordination efforts led by NIST, including timelines, to develop standards for post-quantum cryptography.

Actions Timeline

- **Dec 21, 2022:** Signed by President.
- **Dec 21, 2022:** Became Public Law No: 117-260.
- **Dec 16, 2022:** Presented to President.
- **Dec 13, 2022:** Resolving differences -- House actions: On motion that the House suspend the rules and agree to the Senate amendment Agreed to by the Yeas and Nays: (2/3 required): 420 - 3 (Roll no. 519).
- **Dec 13, 2022:** On motion that the House suspend the rules and agree to the Senate amendment Agreed to by the Yeas and Nays: (2/3 required): 420 - 3 (Roll no. 519). (consideration: CR H9717-9718; text: 12/12/2022 CR H9659-9660)
- **Dec 13, 2022:** Motion to reconsider laid on the table Agreed to without objection.
- **Dec 12, 2022:** Ms. Norton moved that the House suspend the rules and agree to the Senate amendment. (consideration: CR H9659-9661)
- **Dec 12, 2022:** The House proceeded with forty minutes of debate on the motion to suspend the rules and agree to the Senate amendment to H.R. 7535.
- **Dec 12, 2022:** At the conclusion of debate, the Yeas and Nays were demanded and ordered. Pursuant to the provisions of clause 8, rule XX, the Chair announced that further proceedings on the motion would be postponed.
- **Dec 9, 2022:** Message on Senate action sent to the House.
- **Dec 8, 2022:** Senate Committee on Homeland Security and Governmental Affairs discharged by Unanimous Consent.
- **Dec 8, 2022:** Measure laid before Senate by unanimous consent. (consideration: CR S7084-7085)
- **Dec 8, 2022:** Passed/agreed to in Senate: Passed Senate with an amendment by Unanimous Consent.(text of amendment in the nature of a substitute: CR S7084-7085)
- **Dec 8, 2022:** Passed Senate with an amendment by Unanimous Consent. (text of amendment in the nature of a substitute: CR S7084-7085)
- **Jul 13, 2022:** Received in the Senate and Read twice and referred to the Committee on Homeland Security and Governmental Affairs.
- **Jul 12, 2022:** Mrs. Maloney, Carolyn B. moved to suspend the rules and pass the bill, as amended.
- **Jul 12, 2022:** Considered under suspension of the rules. (consideration: CR H5952-5955)
- **Jul 12, 2022:** DEBATE - The House proceeded with forty minutes of debate on H.R. 7535.
- **Jul 12, 2022:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote.
- **Jul 12, 2022:** On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote. (text: CR H5952-5953)
- **Jul 12, 2022:** Motion to reconsider laid on the table Agreed to without objection.
- **May 11, 2022:** Committee Consideration and Mark-up Session Held.
- **May 11, 2022:** Ordered to be Reported by the Yeas and Nays: 38 - 0.
- **Apr 18, 2022:** Introduced in House
- **Apr 18, 2022:** Referred to the House Committee on Oversight and Reform.