QUANTUM COMPUTING

Cybersecurity Compliance Timeline

2016

NIST REPORT
NIST published their "Report on Post-Quantum Cryptography" (NISTIR 8105).

NIST REQUESTS
NIST published two requests for information in the Federal Register.

JAN 2017

S.3084 LAW
The "American Innovation and Competitiveness Act" was signed into law.

DEC 2018

H.R. 6227 LAW
The "National Quantum Initiative Act" was signed into law.

OCT 2020

QUANTUM.GOV
A new digital hub was released to track and report on the steps being taken by the federal government to address quantum computing.

MAY 2022

WHITE HOUSE MEMO
The "National Security Memorandum on Promoting United States Leadership in Quantum Computing While Mitigating Risks to Vulnerable Cryptographic Systems" was released.

JUL 2022

NIST UPDATE
NIST announced they had selected six quantum-resistant algorithms for their upcoming standards.

AUG 2022

CISA INSIGHTS
CISA published guidance on "Preparing Critical Infrastructure for Post-Quantum Cryptography" and a "Post-Quantum Cryptography Roadmap."

DEC 2022

OCC GUIDANCE
The OCC published guidance in their "Semiannual Risk Perspective for Fall 2022."

H.R. 7535
The "Quantum Computing Cybersecurity Preparedness Act" was signed into law.

MAR 2023

NATIONAL STRATEGY
The White House released a "National Cybersecurity Strategy." In the strategy, Strategic Objective 4.3 is titled "Prepare for Our Post-Quantum Future."

2024

PROJECTED: NIST STANDARDS
NIST announced they plan to release the first set of quantum-resistant cryptography standards in 2024.

2035

PROJECTED: FULL MIGRATION
The White House Memo recommends transitioning to quantum-resistant cryptography technology by 2035.

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