

NIST Cybersecurity Framework

Amy Mahn
amy.mahn@nist.gov

Cybersecurity Framework History

- February 2013 - Executive Order 13636:
Improving Critical Infrastructure Cybersecurity
- December 2014 - Cybersecurity Enhancement
Act of 2014 (P.L. 113-274)
- May 2017 - Executive Order 13800:
*Strengthening the Cybersecurity of Federal
Networks and Critical Infrastructure*



Cybersecurity Framework Structures



The **Core** provides an increasingly granular set of activities and outcomes that enable an organizational dialogue about managing privacy or cybersecurity risk, based on international standards



Profiles are a selection of specific Functions, Categories, and Subcategories from the Core that the organization has prioritized to help it manage cybersecurity risk



Implementation Tiers help an organization communicate about whether it has sufficient processes and resources in place to manage cybersecurity risk and achieve its Target Profile

Key Framework Attributes

Principles of Current and Future Versions of the Framework

- Common and accessible language
- It's adaptable to many technologies, lifecycle phases, sectors and uses
- It's risk-based
- It's based on standards
- It's a living document
- Guided by many perspectives – private sector, academia, public sector



Sample Resources

www.nist.gov/cyberframework/framework-resources



Manufacturing Profile

[NIST Discrete Manufacturing Cybersecurity Framework Profile](#)

CRI's Financial Services [“Cyber Profile v1.1”](#)

(Now updated by CRI, the financial services' Cyber Profile was transferred by the FSSCC to CRI in 2020).



Maritime Profile

[Bulk Liquid Transport Profile](#)

International Use

- Translated into Japanese, Spanish Portuguese, Arabic, Bulgarian, Polish
- Adapted into national cybersecurity policies, strategies, and requirements
- Use cases identified in all regions



CSF Resources

Website

- <https://nist.gov/cyberframework>

Contact

- cyberframework@nist.gov

Stay Up to Date

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Other Cybersecurity and Privacy Resources



- Privacy Framework: <https://www.nist.gov/privacy-framework>
- National Initiative for Cybersecurity Education (NICE): <https://www.nist.gov/itl/applied-cybersecurity/nice>
- IoT Cybersecurity: <https://www.nist.gov/programs-projects/nist-cybersecurity-iot-program>
- National Cybersecurity Center of Excellence (NCCoE): <https://www.nccoe.nist.gov>

Questions?