SECURITY INNOVATION

6 Easy to Follow Steps to Compliance: NIST 800-53

NIST Special Publication 800-53 covers the steps in the Risk Management Framework that address security control selection for federal information systems in accordance with the security requirements in Federal Information Processing Standard (FIPS) 200. This includes selecting an initial set of baseline security controls based on a FIPS 199 worst-case impact analysis, tailoring the baseline security controls, and supplementing the security controls based on an organizational assessment of risk.

This tip sheet will break it down into 6 easy steps for compliance as well as recommended courses under each of the 5 NIST Cybersecurity Frameworks.

1. Categorize Information System

Assign a Security role to the IT system based on mission and business objectives. This role must be consistent with the organization's risk management strategy. Guide and inform risk management processes and tasks by determining impact or consequences to the organization with respect to the compromise or loss of assets including the confidentiality, integrity, and availability of organizational systems and the information processed, stored, and transmitted by those systems.

2. Select Security Controls

Select Security Controls approved by leadership from the control catalogue contained in NIST SP 800-53. Security controls are hardware, software, and technical processes required to fulfill the minimum assurance requirements as stated in the risk assessment. Identify, select, tailor, and document the security and privacy controls necessary to protect the system and the organization commensurate with the risk to organizational operations and assets, individuals, and other organizations.

Categorize
Information System

Select
Security Controls

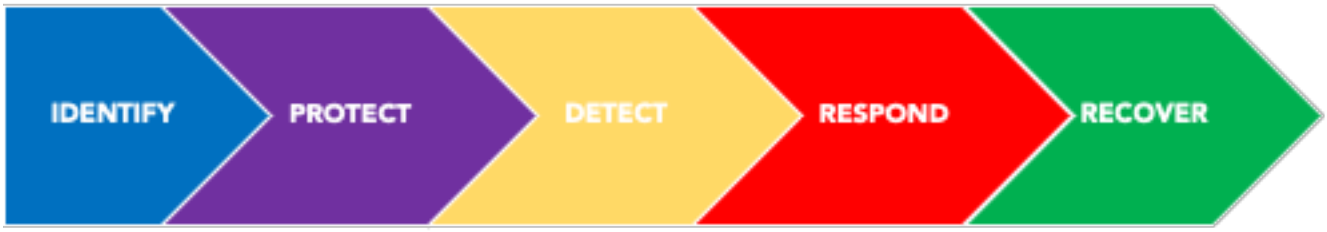
Implement
Security Controls

Assess
Security Controls

Authorize
Information System

Monitor
Security Controls

NIST FRAMEWORK


IDENTIFY
PROTECT
DETECT
RESPOND
RECOVER

3. Implement Security Controls

Implement Security controls while documenting and proving that you've achieved minimum assurance requirements and demonstrated correct use of information system and security engineering methodologies.

4. Assess Security Controls

Assess security controls using appropriate methods and procedures to determine the extent to which controls are implemented correctly, operating as intended, and producing the desired outcome with respect to meeting security requirements. If necessary, address and remediate weaknesses or deficiencies found and then document security plan accordingly.

5. Authorize Information System

Determine risk to organizational operations, organizational assets, or to individual resulting from the operation of the system and the decision that a risk is acceptable. Present authorization package for risk assessment and risk determination and submit decision to all necessary parties.

6. Monitor Security Controls

Monitor existent security controls and update based on changes to system or environment. Report security status of the system and remediate any weaknesses. Maintain an ongoing situational awareness about the security and privacy posture of the system and the organization in support of risk management decisions.

Recommended Courses

IDENTIFY

Essential Identification and Authentication

Essential Security Planning Policy and Procedures

Essential Risk Assessment

Essential Configuration Management

Essential System and Information Integrity

Essential Personnel Security Policy and Procedures

PROTECT

Essential Account Management Security

Essential Session Management Security

Essential Configuration Management

Essential Identification and Authentication

Essential Access Control for Mobile Devices

Essential Data Protection

Essential Application Protection

Essential Security Engineering Principles

Essential Media Protection

Essential System and Information Integrity

Essential Security Maintenance Policies

DETECT

Essential Risk Assessment

Essential System and Information Integrity

Essential Audit and Accountability

Essential Security Engineering Principles

Essential System and Information Integrity

RESPOND

Essential Incident Response

Essential Security Assessment and Authorization

RECOVER

Essential Information Security Program Planning

Essential Incident Response

Essential Security Audit and Accountability