

Implementing the HIPAA Security Rule: Special Publication 800-66

***Safeguarding Health Information:
Building Assurance through HIPAA Security***

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NIST Publications Support the HIPAA Security Rule

| Some Security Rule Standards | Some Relevant NIST Publications |
|--------------------------------------|---------------------------------|
| Security Management Process (RA, RM) | SP 800-30, 800-37, 800-53 |
| Access Control | SP 800-63 |
| Security Awareness & Training | SP 800-16, 800-50, 800-53 |
| Contingency Planning | SP 800-34, 800-53 |
| Evaluation | SP 800-37, 800-53, 800-53A |
| Device & Media Controls | SP 800-53, 800-88, 800-111 |
| Transmission Security (Encryption) | FIPS 140-2, SP 800-97, 800-113 |

What is Special Publication (SP) 800-66?

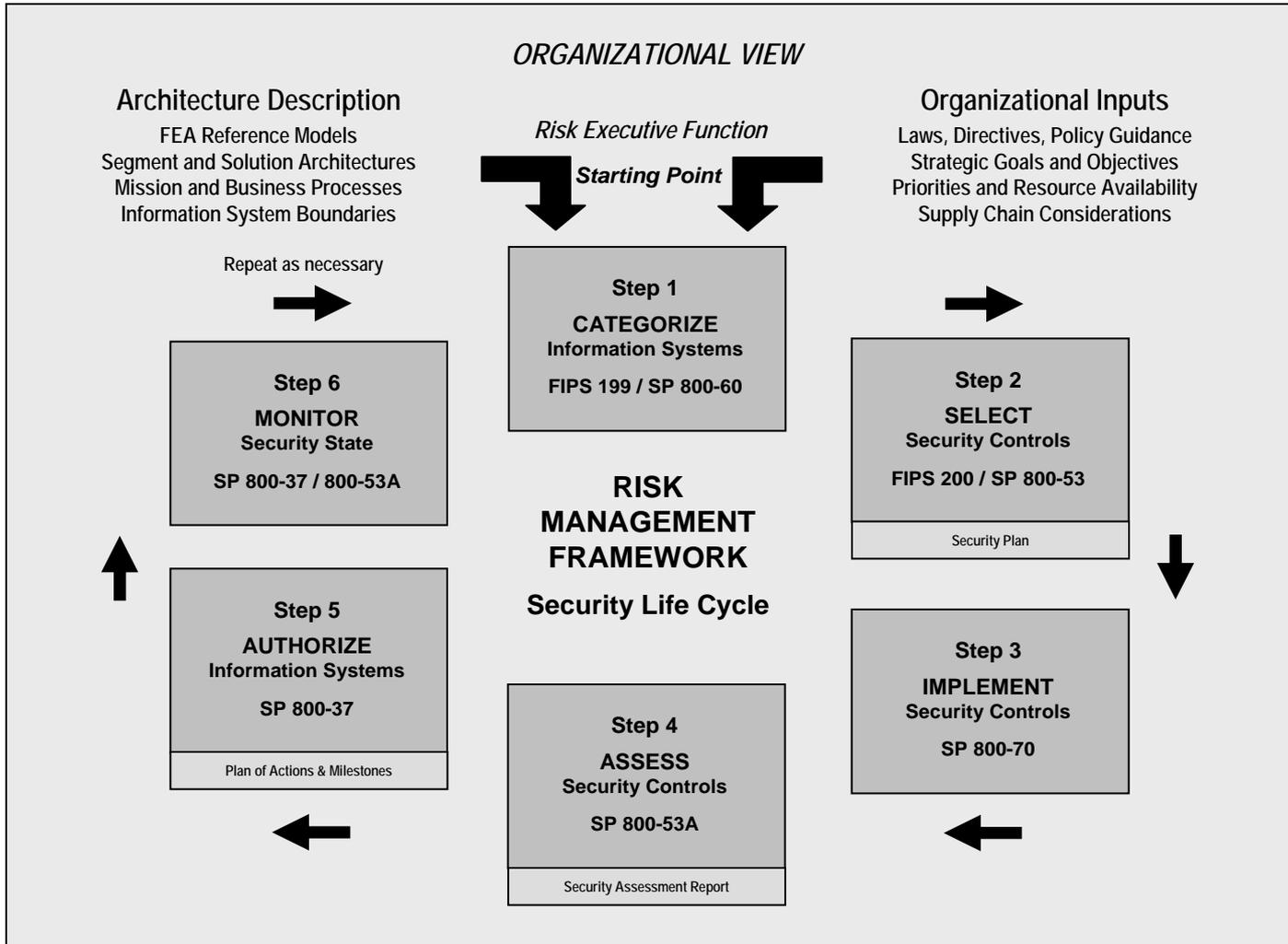
An Introductory Resource Guide for Implementing the HIPAA Security Rule

- Updated October 2008
- Intended as an aid to understanding security concepts discussed in the HIPAA Security Rule
- Directs readers to NIST publications relevant to topics addressed by the Security Rule
- Does not supplement, replace, or supersede the HIPAA Security Rule itself

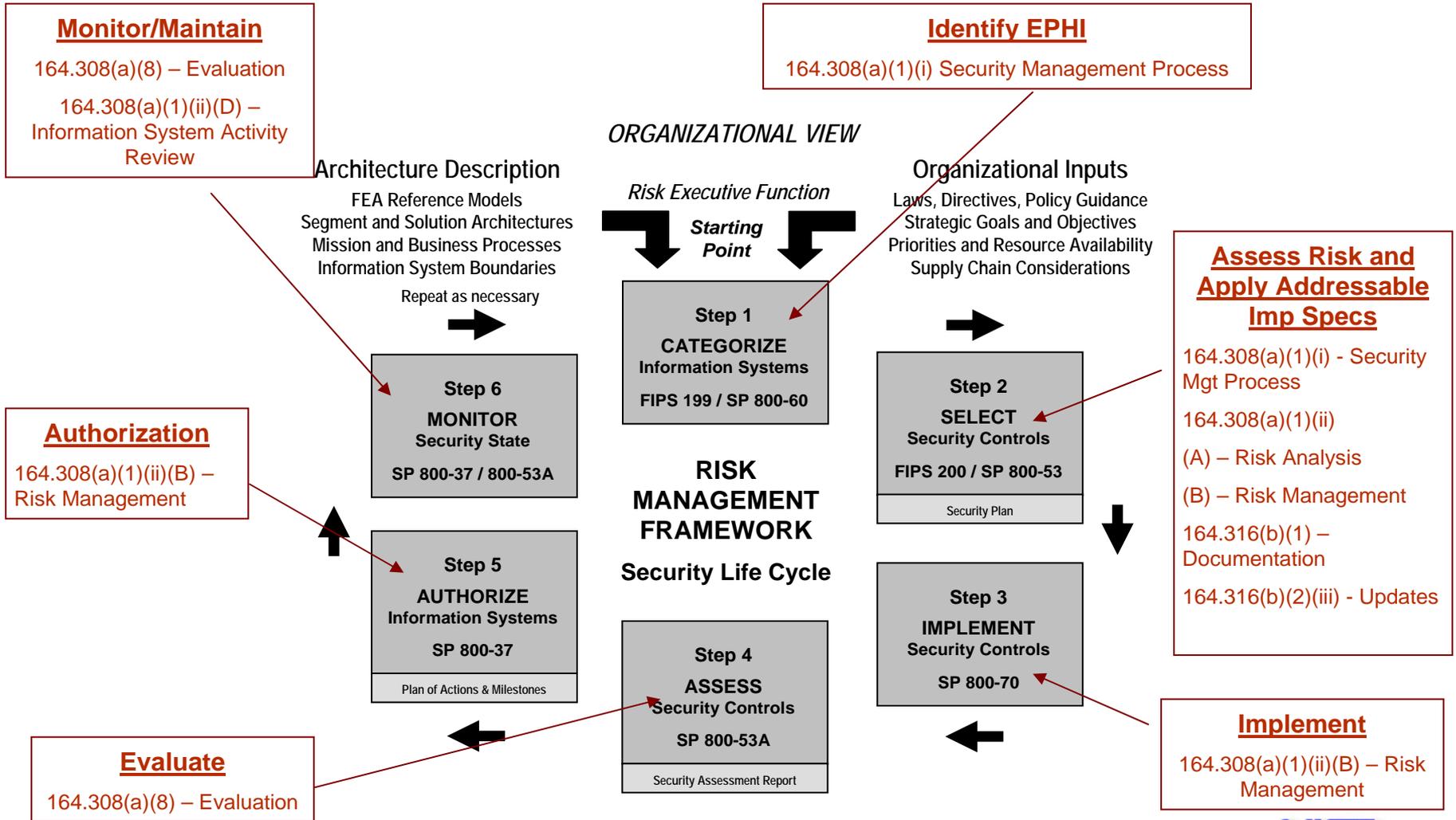
Why We Updated 800-66?

- To reflect current NIST resources and publications
- To discuss the latest threats, vulnerabilities, and exposures, as well as the technologies used to combat them
- To propose methodologies covered entities may use to tackle specific Security Rule implementation challenges (ex, Risk Assessment, Contingency Planning)
- To set the stage, through security control mappings, for security automation of technical safeguards

NIST Risk Management Framework (RMF)

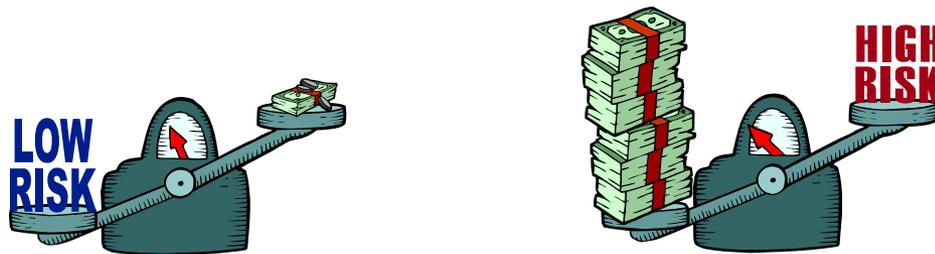


Applying the Security Rule to the RMF



Risk Assessment Guidelines

- Provide basic strategies to help covered entities identify and mitigate risks to acceptable levels
- Discuss the role of risk assessment in enterprise risk management
- Propose a methodology for conducting a risk assessment



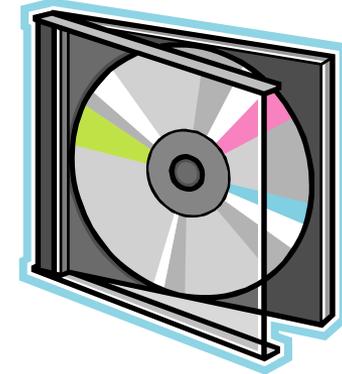
Contingency Planning Guidelines

- Identify basic contingency planning principles and practices
- Discuss its role in a risk management process
- Discuss scope of different types of contingency plans
- Propose a process for developing and maintaining a contingency plan, and provide a sample template



Special Considerations

- Key Activities typically associated with each Security Rule standard
- Strategies and Considerations for Secure Remote Use and Access



Setting the Stage for Automation: NIST Security Controls Support the Security Rule

| Section of HIPAA Security Rule | HIPAA Security Rule Standards | Implementation Specifications | NIST SP 800-53 Security Controls Mapping | NIST Publications Crosswalk |
|--------------------------------|---|---|--|--|
| 164.312(a)(2)(iii) | | Automatic Logoff (A): Implement electronic procedures that terminate an electronic session after a predetermined time of inactivity. | AC-11, AC-12 | |
| 164.312(a)(2)(iv) | | Encryption and Decryption (A): Implement a mechanism to encrypt and decrypt electronic protected health information. | AC-3, SC-13 | |
| 164.312(b) | Audit Controls: Implement hardware, software, and/or procedural mechanisms that record and examine activity in information systems that contain or use electronic protected health information. | | AU-1, AU-2, AU-3, AU-4, AU-6, AU-7 | NIST SP 800-12 NIST SP 800-14 NIST SP 800-42 NIST SP 800-53 NIST SP 800-53A NIST SP 800-55 NIST SP 800-92 NIST SP 800-115 |
| 164.312(c)(1) | Integrity: Implement policies and procedures to protect electronic protected health information from improper alteration or destruction. | | CP-9, MP-2, MP-5, SC-8, SI-1, SI-7 | NIST SP 800-12 NIST SP 800-14 NIST SP 800-53 NIST Draft SP 800-106 NIST Draft SP 800-107 |
| 164.312(c)(2) | | Mechanism to Authenticate Electronic Protected Health Information (A): Implement electronic mechanisms to corroborate that electronic protected health information has not been altered or destroyed in an unauthorized manner. | SC-8, SI-7 | |
| 164.312(d) | Person or Entity Authentication: Implement procedures to verify that a person or entity seeking access to electronic protected health information is the one claimed. | | IA-2, IA-3, IA-4 | FIPS 201 NIST SP 800-12 NIST SP 800-14 NIST SP 800-53 NIST SP 800-63 |