Implementing the HIPAA Security Rule: Updates to Special Publication 800-66

HIPAA Security Rule Implementation and Assurance
January 16, 2008

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NIST Special Publication 800-26

Security Self-Assessment Guide for Information Technology Systems

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NIST
National Institute of Standards and Technology
Technology Administration
U.S. Department of Commerce

COMPUTER SECURITY

NIST Publications Support the HIPAA Security Rule

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 (Draft)
Device & Media Controls	SP 800-88, 800-53, 800-34
Transmission Security (Encryption)	FIPS 140-2, SP 800-113, 800-97

What is Special Publication (SP) 800-66?

An Introductory Resource Guide for Implementing the HIPAA Security Rule

- Originally published in March 2005
- 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 Are We Updating 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 tackling specific Security Rule implementation challenges (ex, Risk Assessment, Contingency Planning)

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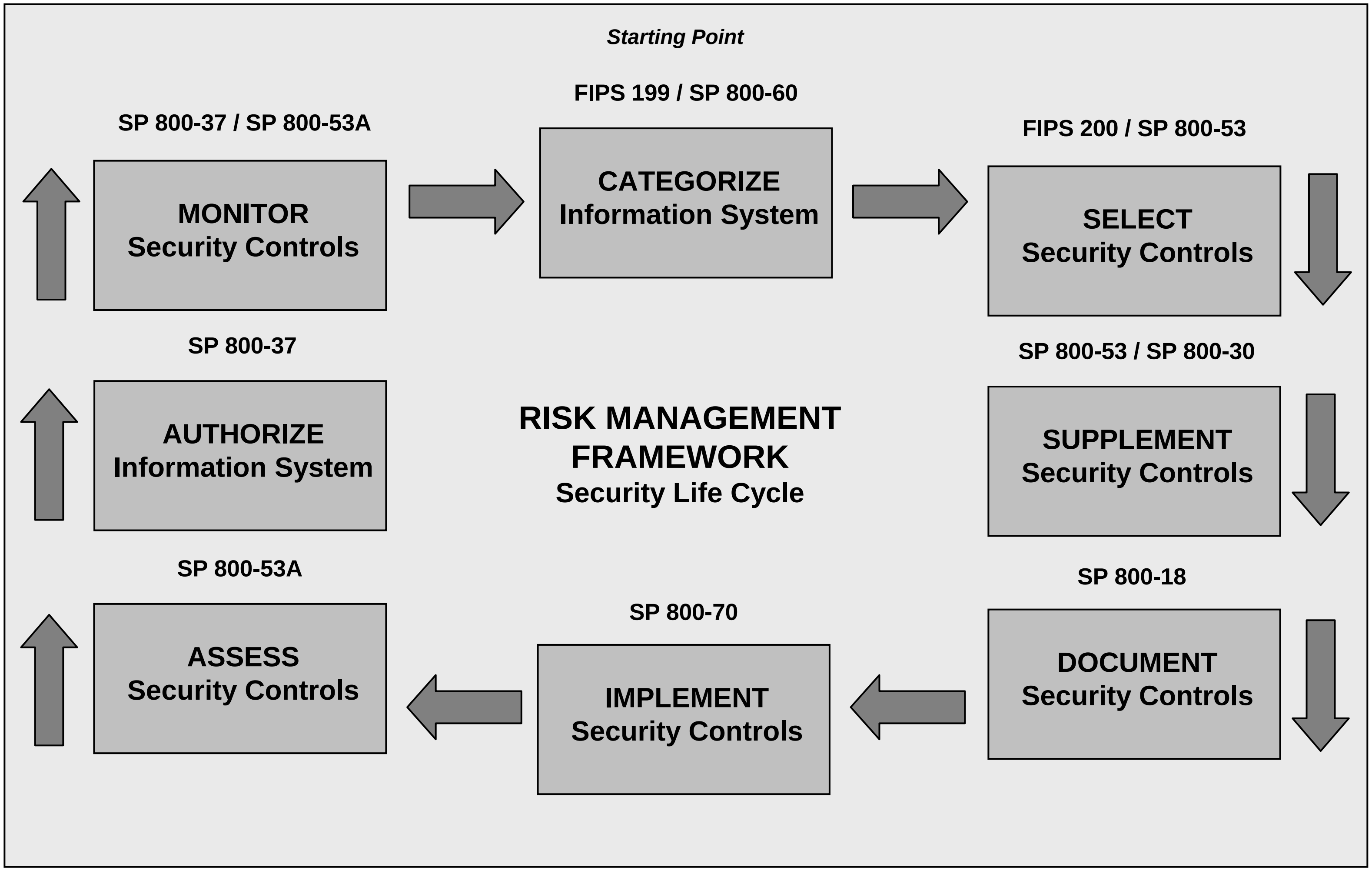
What Can You Expect in the Update?

- General updates reflecting current NIST publications
- Introduction of the Risk Management Framework
- Guidelines on Risk Assessments and Contingency Planning
- Discussion on special considerations when applying the HIPAA Security Rule
- SP 800-53 security control mapping to Security Rule standards and implementation specifications, setting the stage for technical automation

NIST Risk Management Framework (RMF)



Starting Point

FIPS 199 / SP 800-60

CATEGORIZE
Information System

FIPS 200 / SP 800-53

SELECT
Security Controls

SP 800-53 / SP 800-30

SUPPLEMENT
Security Controls

SP 800-18

DOCUMENT
Security Controls

SP 800-70

IMPLEMENT
Security Controls

SP 800-53A

ASSESS
Security Controls

SP 800-37

AUTHORIZE
Information System

SP 800-37 / SP 800-53A

MONITOR
Security Controls

RISK MANAGEMENT
FRAMEWORK
Security Life Cycle

National Institute of
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Applying the Security Rule to the RMF

Monitor/Maintain

164.308(a)(8) – Evaluation

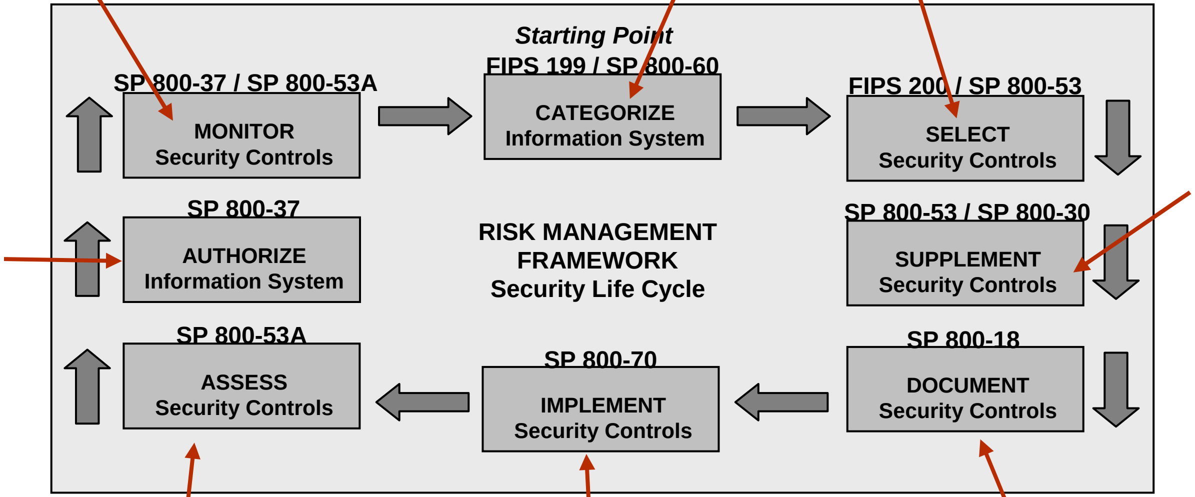
164.308(a)(1)(ii)(D) – Information System Activity Review

Identify EPHI and Required Imp Specs

164.308(a)(1)(i) Security Management Process

Authorization

164.308(a)(1)(ii)(B) – Risk Management



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RISK MANAGEMENT
FRAMEWORK
Security Life Cycle

Assess Risk and Apply Addressable Imp Specs

164.308(a)(1)(ii)

(A) – Risk Analysis

(B) – Risk Management

Evaluate

164.308(a)(8) – Evaluation

Implement

164.308(a)(1)(ii)(B) – Risk Management

Document

164.316(b)(1) – Documentation

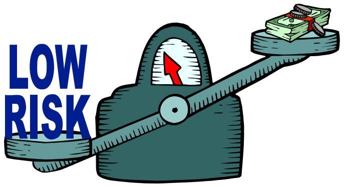
164.316(b)(2)(iii) - Updates

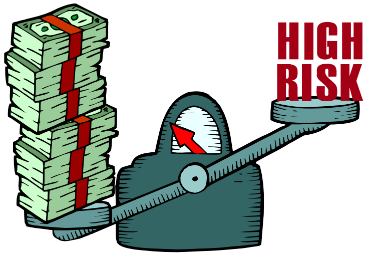
Risk Assessment Guidelines

- Provide basic strategies to help covered entities identify and mitigate risks to acceptable levels

- Discuss the role of risk assessment in enterprise risk management

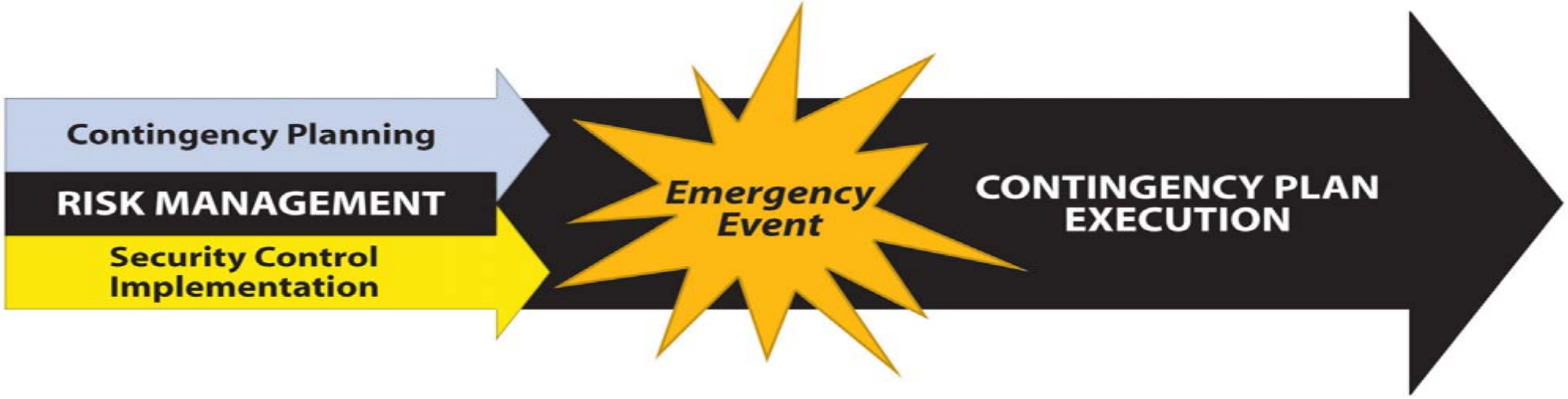
- Propose a methodology for conducting a risk assessment





Contingency Planning Guidelines

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



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Special Considerations

- Key Activities typically associated with each Security Rule standard

- Remote Access
- Removable Media Protections

SP 800-66 Publication Details

Estimated Publication Schedule

- Public Draft – January 2008
- Final – March 2008*

Where to find it

- NIST CSRC Website: http://csrc.nist.gov

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