MSS Lunch & Learn Series

YALE-MSS-5 (Software Security)

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What are the MSS?

- The Minimum Security Standards (MSS) are baseline requirements for securing Yale IT Systems based on risk.

- The MSS apply to any Yale IT System that uses Yale data and/or operates in support of Yale's mission.

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Understanding the MSS

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The MSS are broken down into:

- Standard Groups (YALE-MSS-X): These group standards together based on cybersecurity requirements.
- Standards (YALE-MSS-X.Y): Standards tell us we must do to meet that cybersecurity requirement at Yale.
- Controls (YALE-MSS-X.Y.Z): Controls provide details on how you can meet the cybersecurity requirement.

YALE-MSS-1:
System Classification

YALE-MSS-1.1:
Classify the IT System and meet the Minimum Security Standards

YALE-MSS-1.1.2:
Determine your system type

What MSS will we review today?

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- YALE-MSS-5: Software Security

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YALE-MSS-5.1: Utilize an industry-standard secure configuration method

- https://www.cisecurity.org/cis-benchmarks/
- https://www.nist.gov/programs-projects/national-checklist-program/

YALE-MSS-5.1.1: Document your approach to the chosen configuration standard

YALE-MSS-5.1.2: Utilize file integrity and configuration checking tools

YALE-MSS-5.2: Utilize endpoint protection

YALE-MSS-5.2.1: Utilize a next generation anti-virus solution

YALE-MSS-5.2.2: Run endpoint detection response tool

YALE-MSS-5.3: Run supported software and operating systems

YALE-MSS-5.4: Ensure all software is actively supported by a vendor or open-source project

YALE-MSS-5.5: Manage all changes to the system through a change control process

YALE-MSS-5.5.1: All changes to the IT system are analyzed to ensure the security posture is not weakened

Yale-MSS-5.5.2: An audit trail for changes to the IT system is maintained to account for when changes were made and by whom

What is a SPA?

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Yale's simplified process to highlight and manage this risk through compliance with the MSS. Required for all IT systems (excluding endpoints and mobile devices).

- Think through how to meet and maintain the MSS for a system
- Contribute to a registry of IT systems for security testing
- Identify and understand risk

- A SPA is not:
  - A detailed review of the security of an IT system
  - A statement of approval from ISO about an IT system

Steps to the SPA Process

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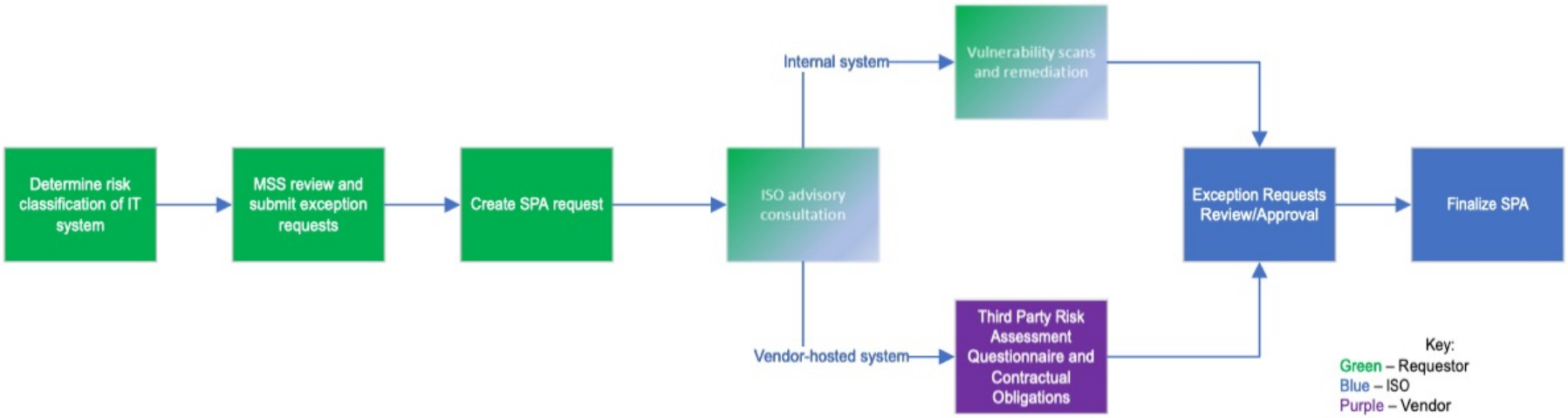

Questions and Answers

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