



DEPARTMENT OF THE NAVY CHIEF INFORMATION OFFICER

FMP *Financial
Policy &
Systems*



Synergistic Efforts Between Financial Audit and Cyber Security

Amira Tann, DON CIO – IT Audit Readiness Lead
Danny Chae, ASM FMC FMP – IT Controls Lead

June 2, 2016

Orlando, FL National PDI

Recent Cybersecurity Headlines

Fixing the problem involved installing an available update



NSA is always looking for interesting ways to gain access, whether it be through an HVAC system – which was the cause of the massive Target breach of 2014

Attackers gained valid user credentials to the systems they were attacking. The breach also consisted of a malware package which installed itself within OPM's network and established a backdoor.



Recent DoD Audit Headlines

RealClear

Politics

Senators move to demand DOD audit penalties

f 155 G+ t in 10

← Back to Videos

By Martin Matishak - 02/04/15 03:16 PM EST

Bernie Sanders: Audit The Department Of Defense, Contractors Wasting Money While Soldiers Are On Food Stamps

Posted on December 29, 2015

USMC Reversal a Hitch in DoD Audit Plans

By Joe Gould and Hope Hodge Seck 5:27 p.m. EDT March 30, 2015

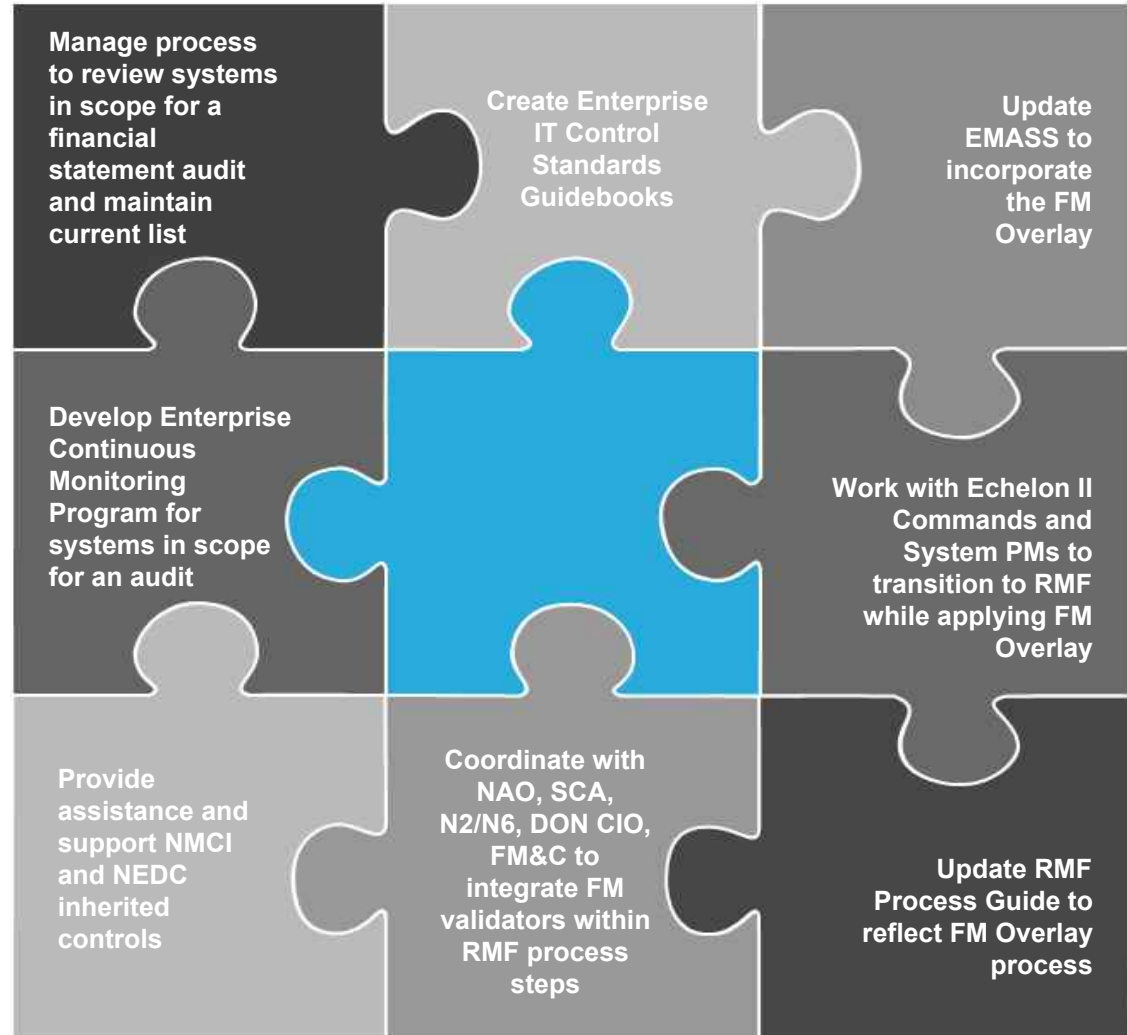
THE BLOG

Uncontrollable — Pentagon and Corporate Contractors Too Big to Audit

03/18/2016 12:27 pm ET | Updated Mar 18, 2016

DON Approach to Merging Audit and Cybersecurity Requirements

ASN FM&C and DON CIO are collaborating and working closely on separate, but related mission objectives to find synergies and gain efficiencies in previously redundant activities



Synchronization of Cyber and Audit Activities

As-Is State *DIACAP & FISCAM*

DIACAP

- Technically Focused
- Cyber Security Compliance to obtain Authority to Operate (ATO)
- Management has the option to accept the risk associated with a control failure

FISCAM

- Business Process Driven
- Assessments for DON financial information systems
- Enables auditors to place reliance on the quality of the data within the system
- Relies on NIST SP 800-53 Rev. 4



To-Be State *RMF*

- Technically Focused Hybrid Approach
- Streamlining multiple compliance requirements for System Owners
- Standardizing the DON's risk mitigation approach for financially relevant IT systems
- FMO and DON CIO collaboration to issue DON IT Controls Guidance for audit relevant systems
- Leveraging the multi-year FISCAM efforts to synchronize RMF and IT control requirements related to on-going audits

Department of the Navy (DON) Office of the Chief Information Officer (OCIO)

Office of Financial Operations (FMO)



Enterprise IT
Control Standards

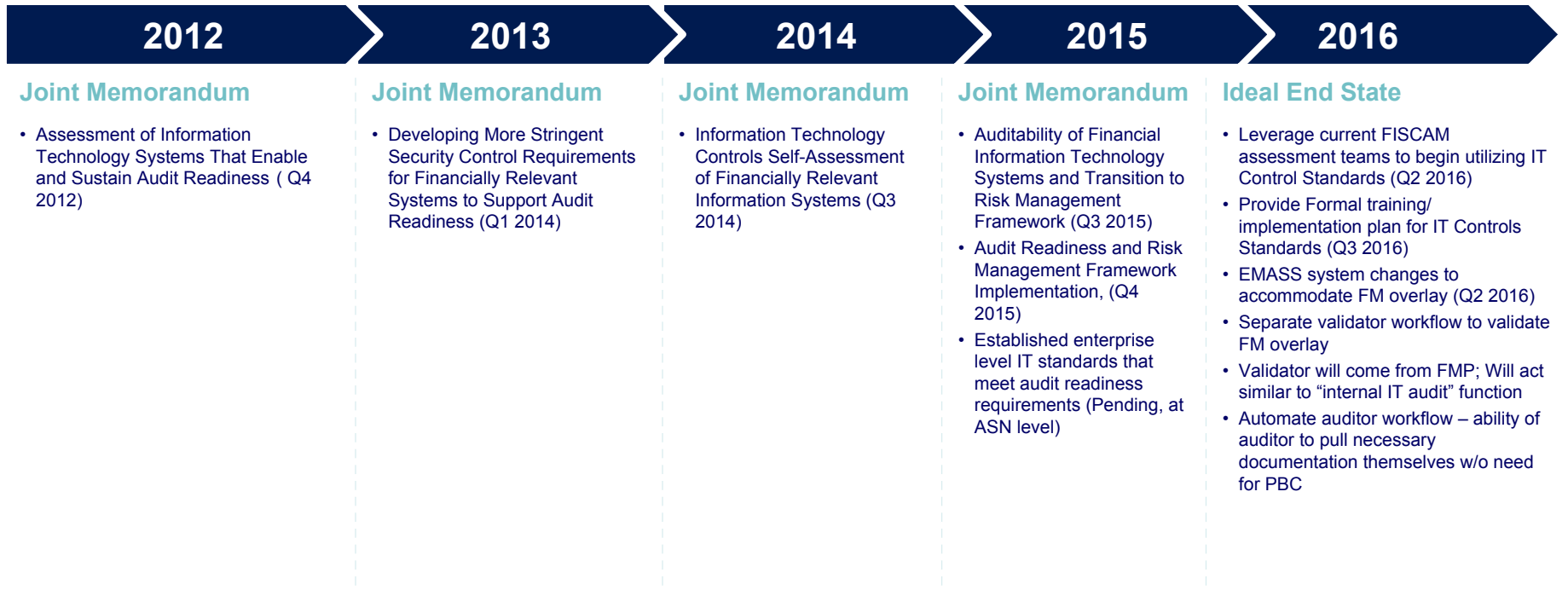
Subject: SYNCHRONIZATION OF FINANCIAL INFORMATION TECHNOLOGY (FIT) AND INFORMATION IN RISK MITIGATION PLATFORM

1. In the Department's previous work, the Defense Information Systems Security Center (DISSEC) and the Department of the Navy (DON) have been working to streamline and standardize the Risk Management Platform (RMP). We have an opportunity to further streamline and standardize the RMP by synchronizing the RMP and the Enterprise IT Control Standards (EITCS). By addressing RMP and EITCS together in the same policy, we expect that system owners will find it easier to understand and implement the requirements. We have also working to align the RMP with the Enterprise IT Control Standards (EITCS) to ensure that the RMP and EITCS are consistent and aligned. We are in the process of developing a joint policy for the RMP and EITCS. We are also working to align the RMP and EITCS with the Enterprise IT Control Standards (EITCS) to ensure that the RMP and EITCS are consistent and aligned.

RMF Joint Memo

Approved: [Signature] / [Signature] / [Signature]
 Date: [Date] / [Date] / [Date]

Timeline of Events: Years in the Making



DON Enterprise IT Control Standards Guidebooks

- Eighteen Guidebooks created for each NIST SP 800-53 control family
- Guidance written in holistic manner to relate each NIST control to a FISCAM control objective
- The guidance will become the IT Control Standards that systems in scope for audit are required to follow
- The DON Enterprise IT Controls Guidance will also become the DON FM Overlay for RMF

Department of the Navy (DON) Office of the Chief Information Officer (CIO)
 &
 Office of Financial Operations (PHO)

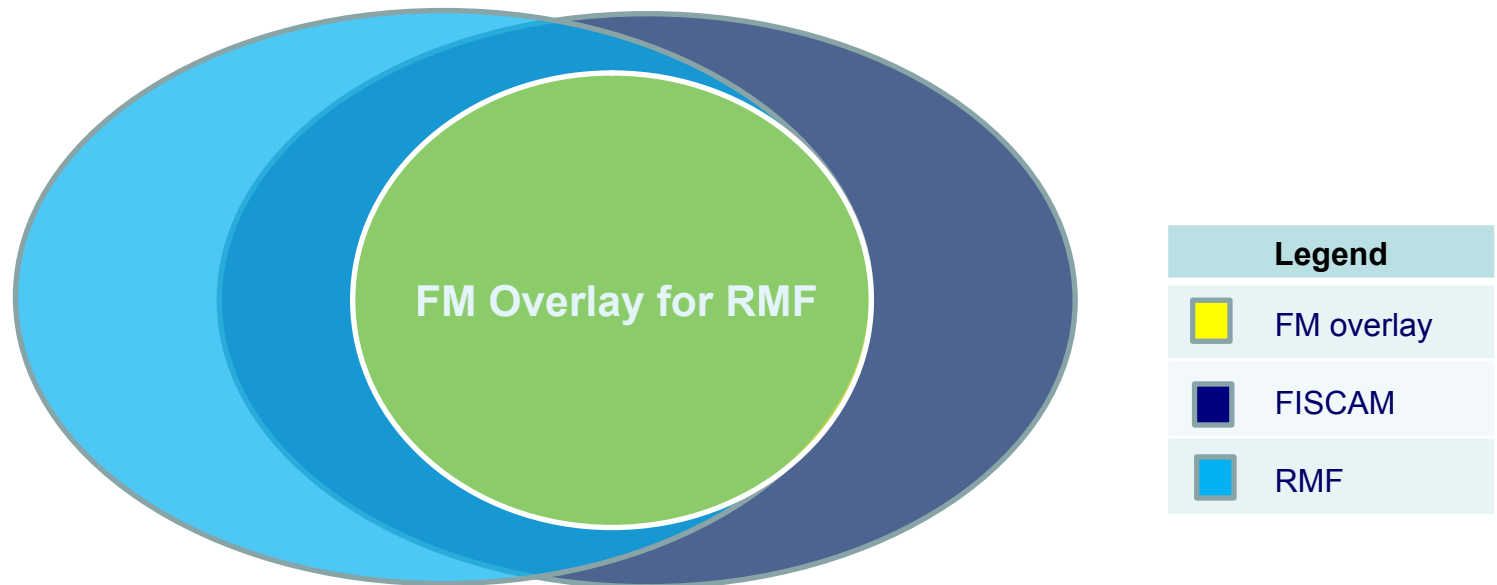


Supplemental Audit Guidance

IT Controls Guidance Number	IT Controls Guidance for RA-2 Security Categorization	FISCAM Control Objective	Evidence	Frequencies
RA-2.2	<p>System Owners shall document the categorization of information systems in accordance with appropriate guidance, such as FIPS 199, and document the results in the system security plan. The security plan shall include:</p> <ul style="list-style-type: none"> • Identification of primary mission or business functions; • Prioritization of data and operations; • Requirements for Senior Program Manager approval of the listing of critical operations and data; and • The reflection of current conditions including system interdependencies and technologies. <p>System Owners shall perform an annual review over the information system categorization or when a significant change occurs to the operating environment. Additionally, stakeholders and management shall approve the information system categorization and provide their approval via documented signatures.</p> <p>In addition to the above, reference the Committee On National Security Systems (CNSS) Instruction 1253, Security Categorization and Control Selection for National Security Systems, for more information regarding Security Categorization requirements.</p>	SM-2 CP-1	<ol style="list-style-type: none"> 1. System Categorization rating including the date that it was established and approved and the names of the individuals that approved the rating. 2. Evidence of annual review of the system categorization rating for each system. 	Annual Annual

The DON Enterprise IT Controls Guidance enhances and supplements the NIST SP 800-53 Rev.4 security controls based on Financial Statement Auditor best practices.

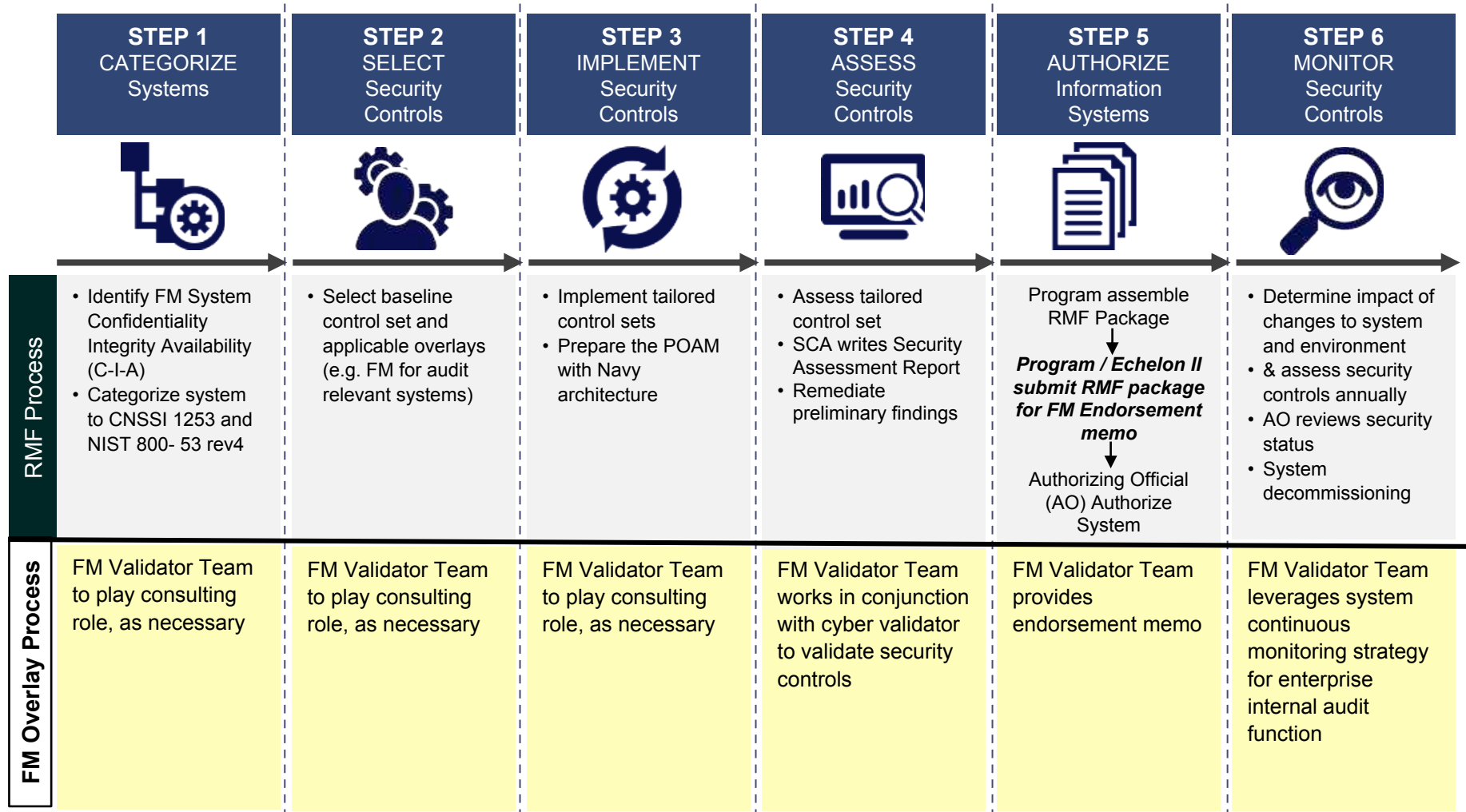
Overlap Between Financial Audit and Cybersecurity



Cybersecurity → RMF → NIST SP 800-53 ← FISCAM ← Financial Audit

To support transition to RMF of financial systems, apply the FM Overlay (critical security controls for a financial audit) to manage and implement controls once to satisfy both cybersecurity and financial audit requirements

Navy Methodology for Integration of RMF and Financial Management (FM) Overlay



FM Overlay and RMF Key Takeaways

FM Overlay controls include the AC, AU, CM, and IA controls that map to FISCAM objectives and all Policy and Procedure (-1) controls

FM overlay provides new validation procedures that contain FISCAM style of validation

RMF Steps 1-3

- FMP team acts as support/ consulting team
- Artifacts that are responsibility of SCA, FMP provides input on FM overlay controls

RMF Step 4

- FM Validator is a separate team from FMP that validate FM overlay controls
- SCA relies on results of validation from FM validators to eliminate redundancy

RMF Step 5

- FMP to provide endorsement memo to NAO prior to final authorization

Overall intent is to ensure systems are in scope for an audit, implement controls critical to an audit. integrate with RMF process and adapt existing requirement.

Success Factors



1

Effective Communication

- Inter and Intra Echelon communications
- Ensure all stakeholders are engaged and represented



2

Building intellectual capital within DON/DoD

- Audit and RMF are new competencies to the DoD environment
- Knowledge sharing is critical in to building foundation of IC

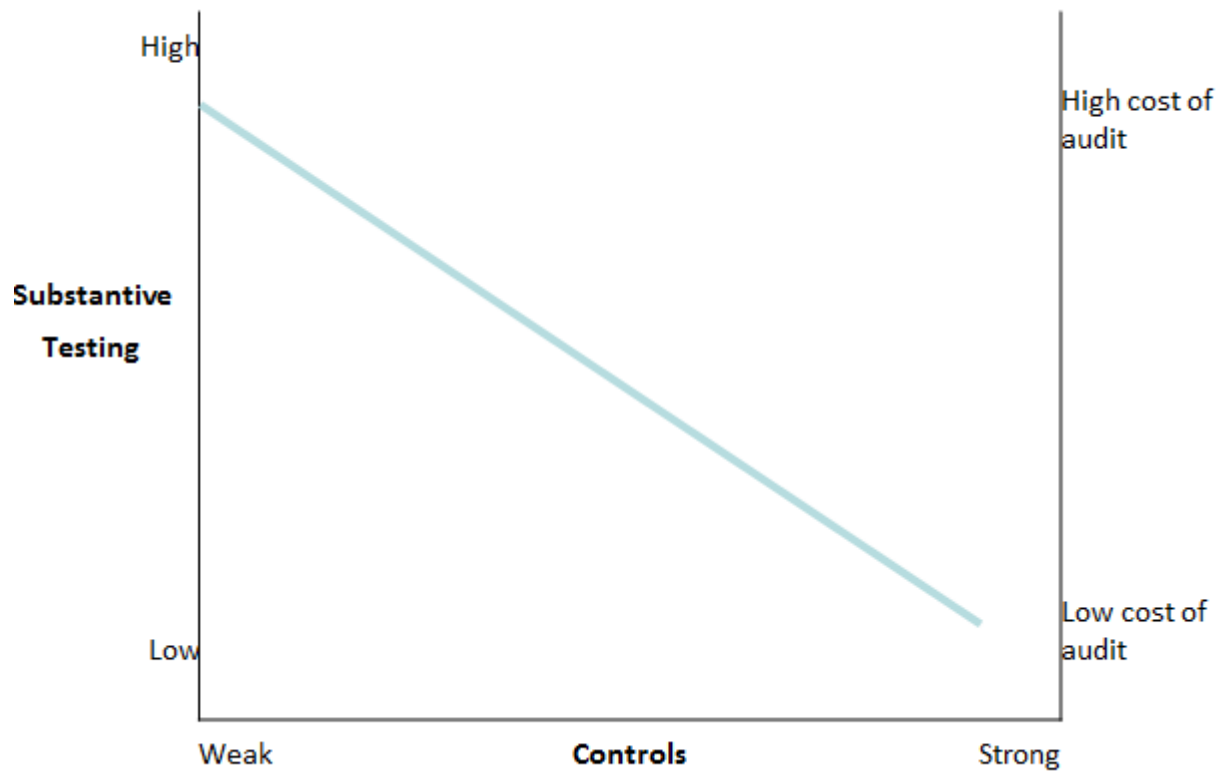


3

Ability to adapt quickly to changing environment

- Changing requirements/ Unfunded requirements
- Everything is a high priority
- Budget constraints
- System consolidations

Why do we care?



**Auditor can gain reasonable assurance anywhere on that line,
Where do you think DoD should be?**

Questions?