IT Update

PRESENTED BY
THE FEDERAL RETIREMENT THRIFT INVESTMENT BOARD

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Thrift Savings Plan
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Agenda

- Audit finding remediation strategy
- Continuing IT security projects
- Next round of IT modernization projects

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Risk Based Approach to Audit Remediation

Use CVSS methodology to score finding

Map the finding to the appropriate NIST control

Determine the relationship between the finding and the FISMA maturity level

Audit Finding Remediation Approach

Approach

- Remediate the vulnerability associated with critical and high findings
- Identify and remediate the underlying issues of the critical and high findings based (Corrective Action Plan development and execution)
- Remediate the remaining FISMA Level 1 findings for the Domain based on finding remediation plan

Benefit

- Addresses the identified vulnerability
- Identifies the root cause of all similar findings holistically
- Allows for an efficient use of resources
- Aligns with FISMA improvement program

Audit Remediation Domain Priority

FISMA Domains

1. Identity and Access Management
2. Configuration Management
3. Incident Response
4. Information Security Continuous Monitoring
5. Risk Management
6. Contingency Planning
7. Security Training

Audit Finding Time Line

	2017 Dec	2018 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
IAM													
Vulnerability (14)								=> Develop vulnerability plan					
Cap Plan (31)								=> Remediate vulnerability					
Config Mgt								=> Develop Corrective Action Plan (CAP)					
Vulnerability (14)			TBD										
Cap Plan (36)													
Incident Resp													
Vulnerability (4)				TBD									
Cap Plan (8)													
Continuous Mont													
Vulnerability (2)				TBD									
Cap Plan (2)													
Risk Mgt													
Vulnerability (12)				TBD									
Cap Plan (20)													
Cont Planning													
Vulnerability (0)													
Cap Plan (5)													
Other NIST													
Vulnerability (TBD)									TBD				
Cap Plan (92)													

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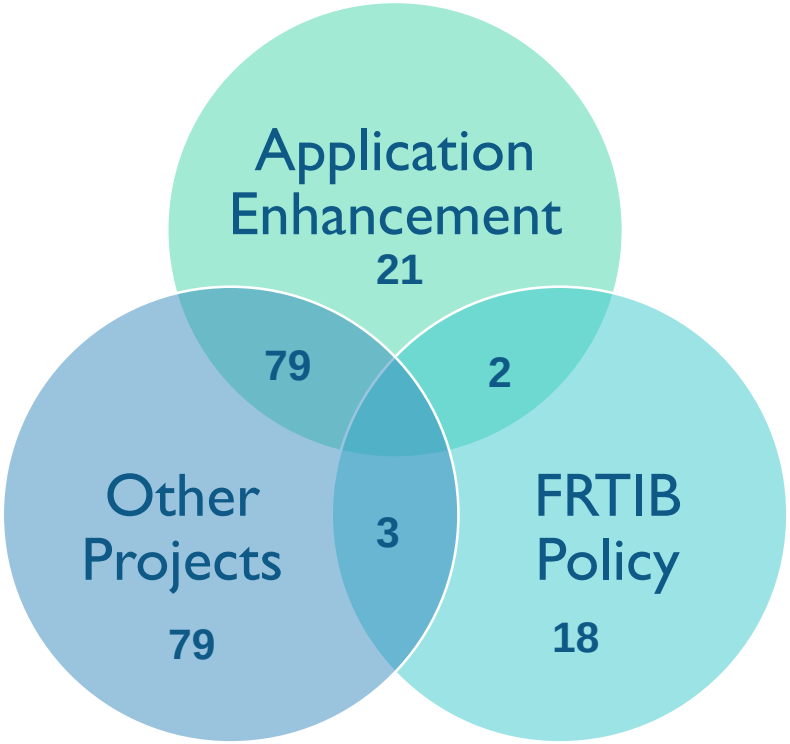
Audit Findings Mapped to Current Initiatives

Effort	Findings affected
Mainframe	56
ICAM	42
FRTIB Policy Development	23
Account Management	19
Monitoring Tools	15
Standard IT Asset Management	14
Mobile Device Management	14
Audit Level Logging	12
Other (19 initiatives)	62



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FY2017 IT Initiatives

- **Network Security Modernization**
- **Standardize IT Asset Management of Remote Sites**
- **Modernize IT Infrastructure at Contact Centers (Thriftline)**
- **Replace Workstations at 77 K Street NE (Main Office)**

- Implement Mainframe Security Remediation
- Implement Encryption of Data in Transit Across the Network
- Modernize IT Infrastructure in Data Centers

- *Implement Continuous Monitoring Tools*
- *Security Monitoring; Implement SPLUNK*
- *Implement Audit Level Logging*
- *Improve Account Management (Implement ICAM)*

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2018 IT Initiatives

- Trusted Internet Connection (TIC)
- Network Access Control (NAC)
- Mainframe Archiving
- FRTIB Active Directory Consolidation
- WAN Circuits/FRTIB Backbone Network Upgrade
- FRTIB Mobile Device Management
- Case Management System Implementation
- Windows 2008 Servers Upgrade