

Audit Status / Security & Remediation Status

Presented By

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July 27, 2021



Thrift Savings Plan

FEDERAL RETIREMENT THRIFT INVESTMENT BOARD
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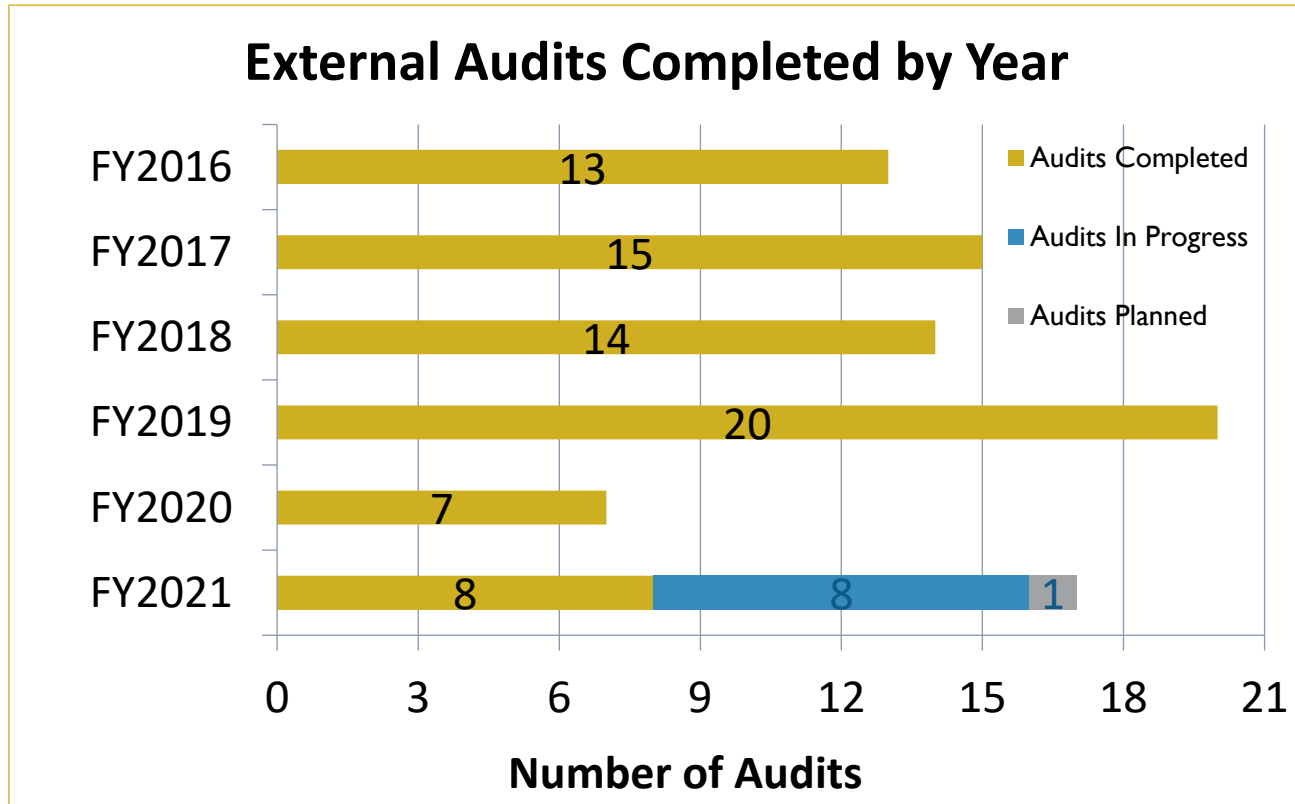


Agenda

- **Audit Status**
- Remediation Status



External Audit Activity (FY2016-2021)



External Audit Activity (FY2021)

Audits Completed (FY2021)	Audits in Progress (FY2021)	Audits Planned (FY2021)
<ol style="list-style-type: none"> 1. Board's Staff 2. IT Operations Management 3. System Enhancements and Software Change Controls 4. Mainframe 5. Withdrawals 6. Annual F/S Audit (CY 2020) 7. Mid-Year F/S Review (CY2020) 8. FISMA (FY2020) 	<ol style="list-style-type: none"> 1. Account Maintenance 2. Assessment of FRTIB Independent Verification & Validation and Other Results 3. Lifecycle Funds Operations 4. Loans Operations 5. Mobile Devices and Security Governance Review 6. Participant Support/Contact Center Operations 7. Participant Website Controls 8. FISMA (FY2021) 	<ol style="list-style-type: none"> 1. Mid-Year F/S Review (CY2021)

Auditor Legend

EBSA

CLA

Williams Adley



Systems Enhancement and Software Change Controls

Audit Objectives:

1. Determine whether the Agency implemented certain procedures to:
 - Control the development, alteration, and configuration of TSP software applications and supporting infrastructure.
 - Authorize, test, approve, and implement changes to existing software applications and supporting infrastructure.
 - Control the processes for creating, storing, and accessing TSP production data used to test application changes.
2. Determine whether the Agency implemented certain procedures over system enhancements and software changes that supported its response to the coronavirus pandemic.
3. Determine the status of prior year recommendations.



Systems Enhancement and Software Change Controls

Audit Scope Period: January 1, 2020 through December 31, 2020

Audit Report Date: April 26, 2021

Audit Results:

- 18 closed recommendations
- 2 new recommendations
- 8 open prior year recommendations
- Open recommendations were in the following areas: Access recertification, security configuration settings management, configuration management, test data access, change control documentation, supported life of systems, monitoring system changes, and separation of duties.



IT Operations Management

Audit Objectives:

1. Determine whether the Agency implemented certain procedures to:
 - Support and maintain the overall IT operating environment.
 - Support the operational efficiencies and management effectiveness in job scheduling and batch processing, hardware operations management, and database management.
 - Monitor external threats to participant and other sensitive Agency data.
2. Determine whether the Agency implemented certain procedures over infrastructure changes that supported its response to the coronavirus pandemic.
3. Determine the status of prior year recommendations.

IT Operations Management

Audit Scope Period: January 1, 2020 through December 31, 2020

Audit Report Date: May17, 2021

Audit Results:

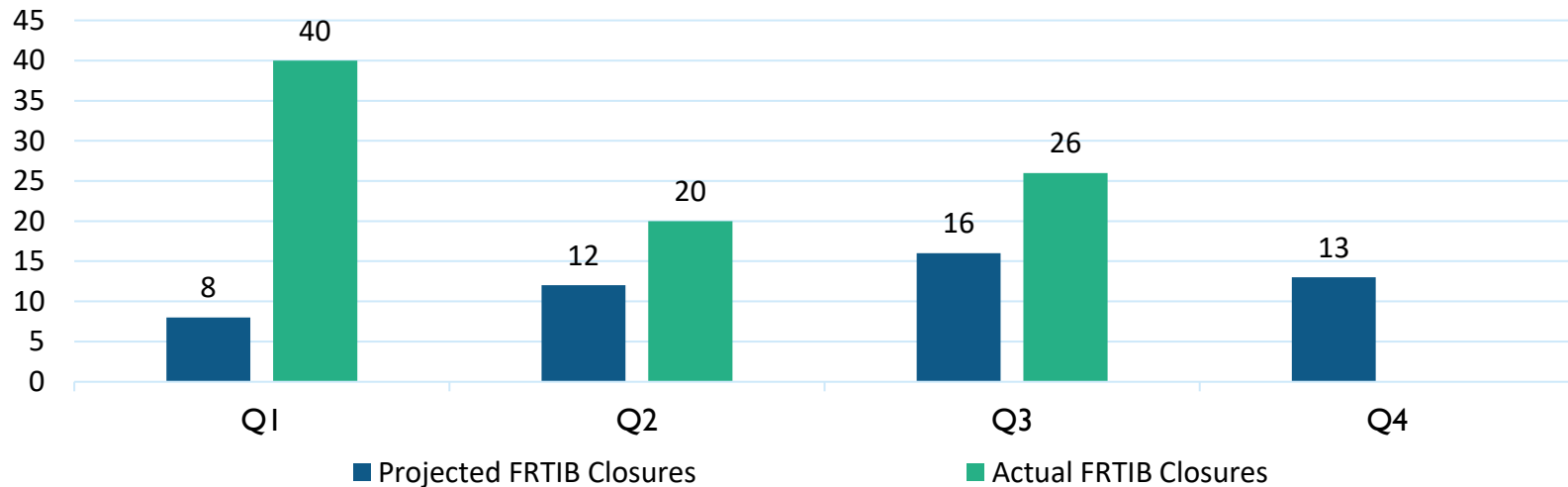
- 21 closed recommendations
- 0 new recommendations
- 9 open prior year recommendations
- Open recommendations were in the following areas: Unsupported systems, database software monitoring, asset incident management, data modeling procedures, asset inventory and least privileges.

Agenda

- Audit Status
- **Remediation Status**



FY2021 Projected FRTIB Closures



Our goal is to have at least 49 closures in FY2021.

Includes: Dept. of Labor (EBSA), Financial Statement Audit, GAO, FISMA and 2015/2016 External Assessment

Open Audit Recommendations

FY2016 – FY2021

Auditor Activity	FY 2016	FY 2017	FY 2018	FY2019	FY2020	FY2021
Auditor Start	183	274	415	418	414	384
Auditor Add	117	196	60	141	31	12
Auditor Closed	-26	-55	-57	-145	-61	-90
Auditor End	274	415	418	414	384	306

FRTIB Activity	FY 2016	FY 2017	FY 2018	FY2019	FY2020	FY2021
FRTIB Start	116	247	346	341	280	183
Auditor Add	117	196	60	141	31	12
FRTIB Closed	14	-97	-65	-205	-133	-97
FRTIB Closed Reversal				3	5	11
FRTIB End	247	346	341	280	183	109

Includes: Dept. of Labor (EBSA), Financial Statement Audit, GAO, FISMA and 2015/2016 External Assessment

Open Audit Recommendations By Year

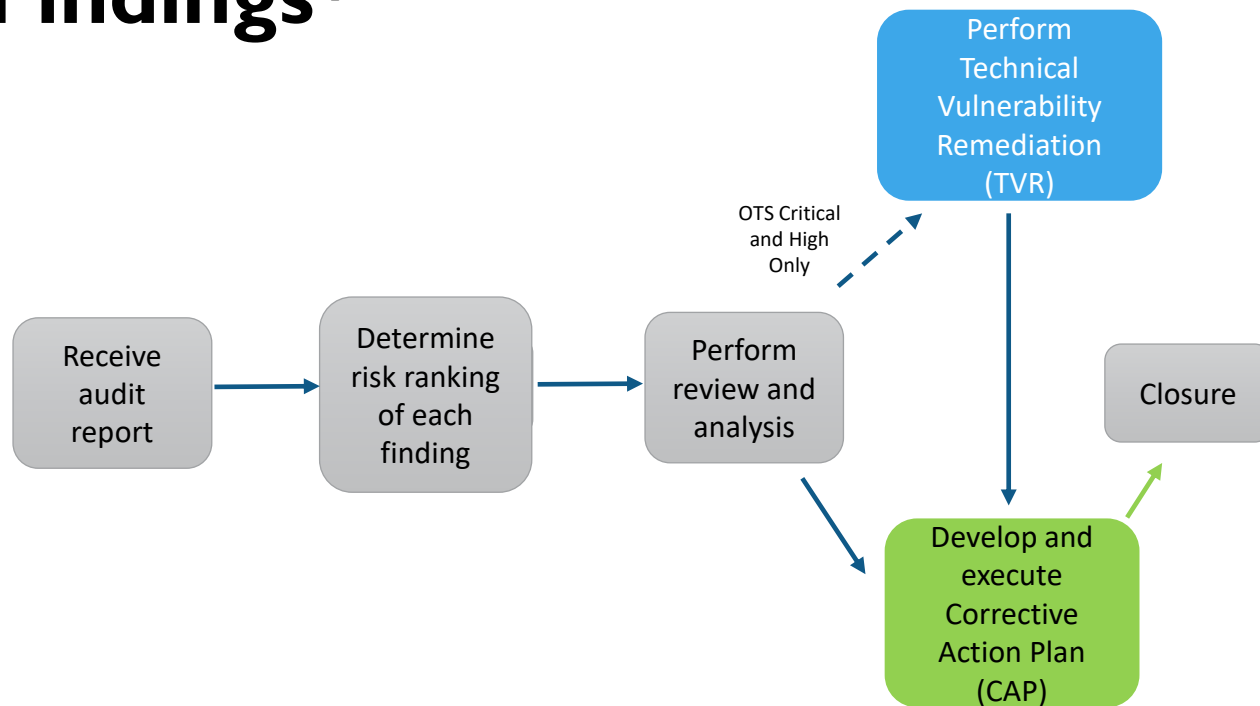
(as of 06/30/2021)

Calendar Year	Open Recommendations	%
2011	1	1%
2012	0	0%
2013	9	8%
2014	13	12%
2015	14	13%
2016	22	20%
2017	9	8%
2018	6	6%
2019	14	13%
2020	19	17%
2021	2	2%
Total	109	100%

Includes: Dept. of Labor (EBSA), Financial Statement Audit, GAO, FISMA and 2015/2016 External Assessment



We Use a Risk-Based Approach to Address Audit Findings*

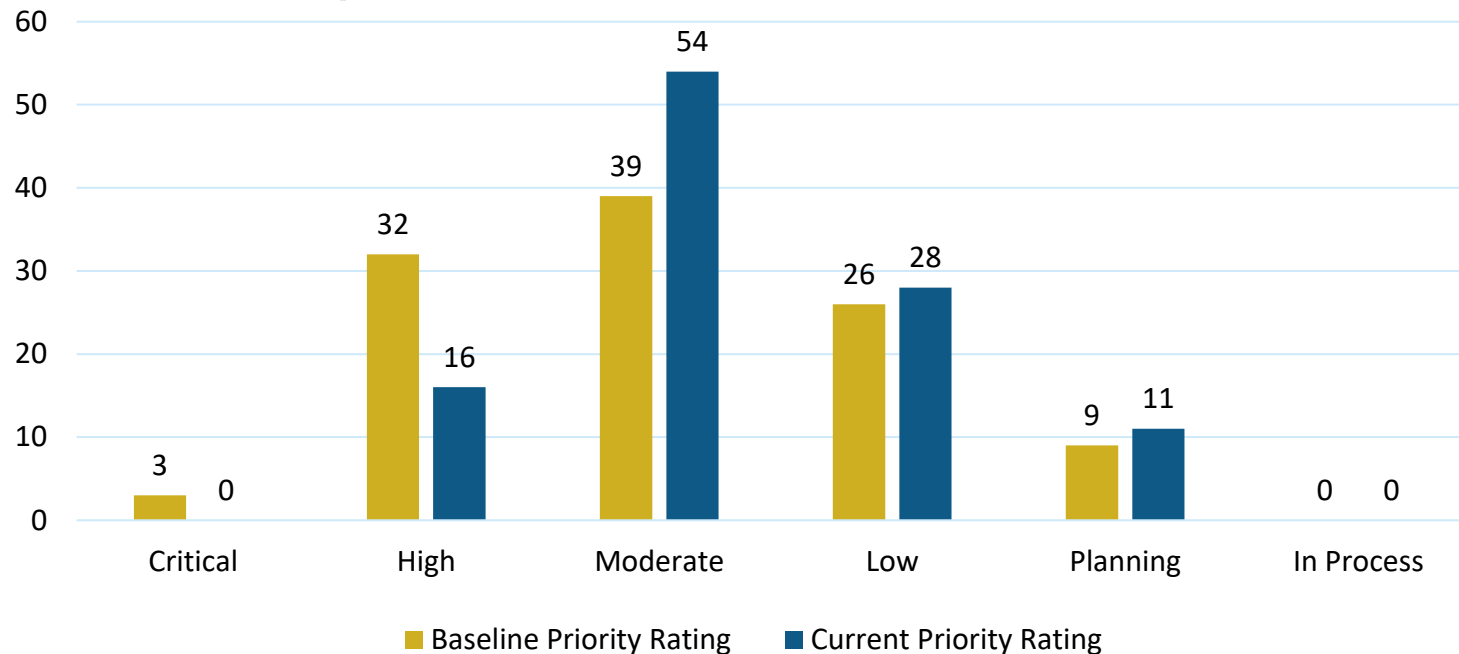


**All findings stored and managed in AuditNow case management repository*



Open Recommendations By Priority Rating

(as of 06/30/2021)

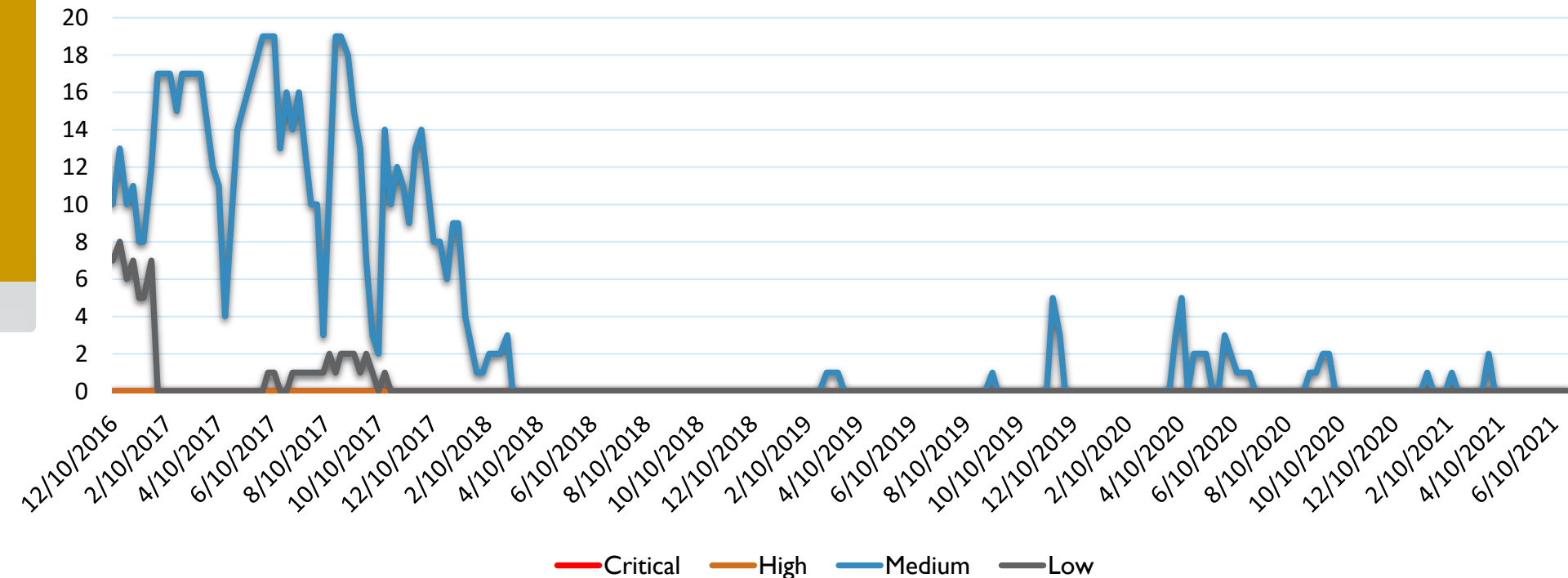


Includes: Dept. of Labor (EBSA), Financial Statement Audit, GAO, FISMA and 2015/2016 External Assessment

FRTIB NCATS Performance

(as of 06/30/2021)

Number of Open Vulnerabilities Over Time



— Critical — High — Medium — Low

Note: FRTIB has never had any Critical or High vulnerabilities

Questions?

