Joint Technology Committee Hearing
August 28th 2023

Tony Neal-Graves, Chief Information Officer
Stephen Petty, Director, Security Risk & Compliance
Brandy Reitter, Executive Director Colorado Broadband Office
Michael McReynolds, Legislative Liaison

Agenda

Audit Findings and Next Steps

- Questions

Updates on FY 2022-23 items and Tech Debt
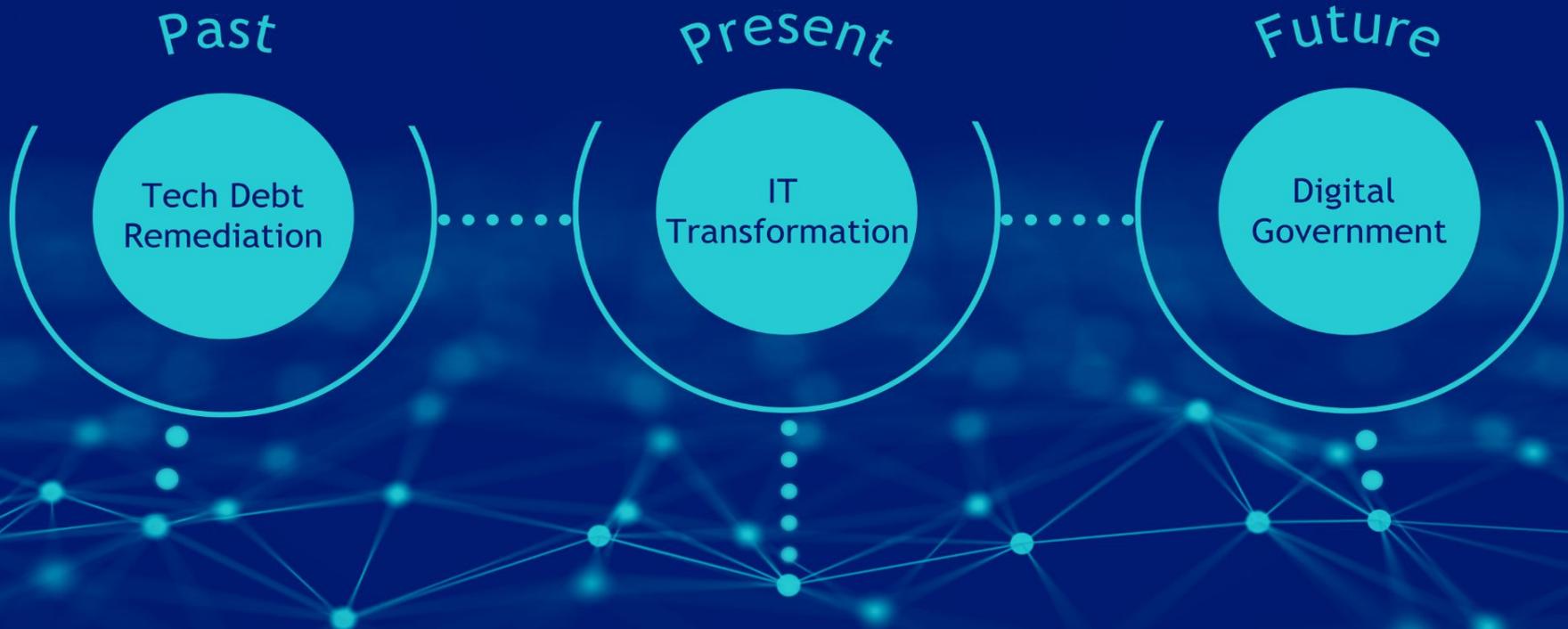
- R-01 Modernizing Aging IT Systems (Tech Debt)

Colorado Broadband Office Updates

CIO Closing Remarks

Questions

Connecting the Dots Between OIT's "Big Three" Initiatives

Past

Present

Future

Tech Debt Remediation

IT Transformation

Digital Government

Recent Audit Findings - Eide Bailly

1	**Governance & Oversight**
2	**SAT Role-Based Training**
3	**Asset Management**
4	**Contingency Planning**
5	**Identification & Authentication**
6	**Incident Response**

7	**Logging & Monitoring**
8	**Physical Controls to Implement Authentication**
9	**Risk Management**
10	**Security Planning**
11	**User Account Management**
12	**Vulnerability & Patch Management**

Addressing these findings is a top priority for OIT and is our number one project for this next year

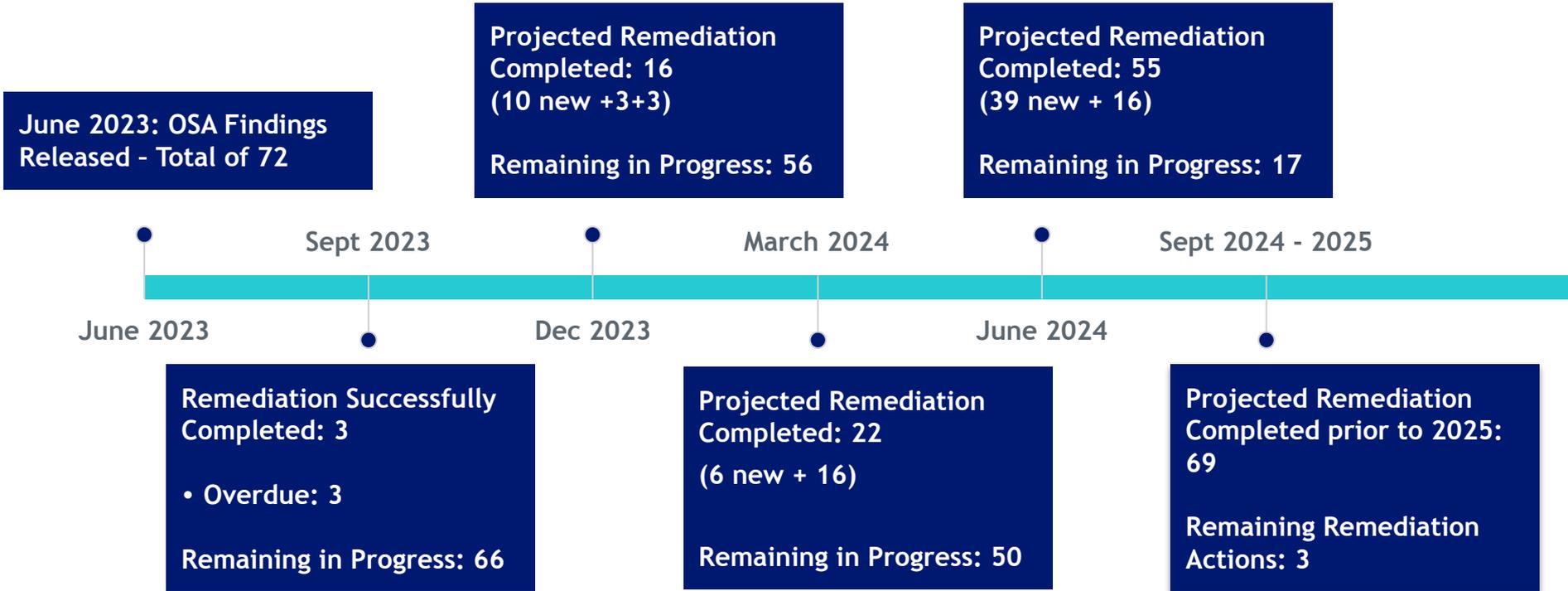*The 12 findings areas include 72 specific items*

Audit Workflow

We are here

Infrastructure → Discovery → Assignment

Assignment → Criticality → Remediation
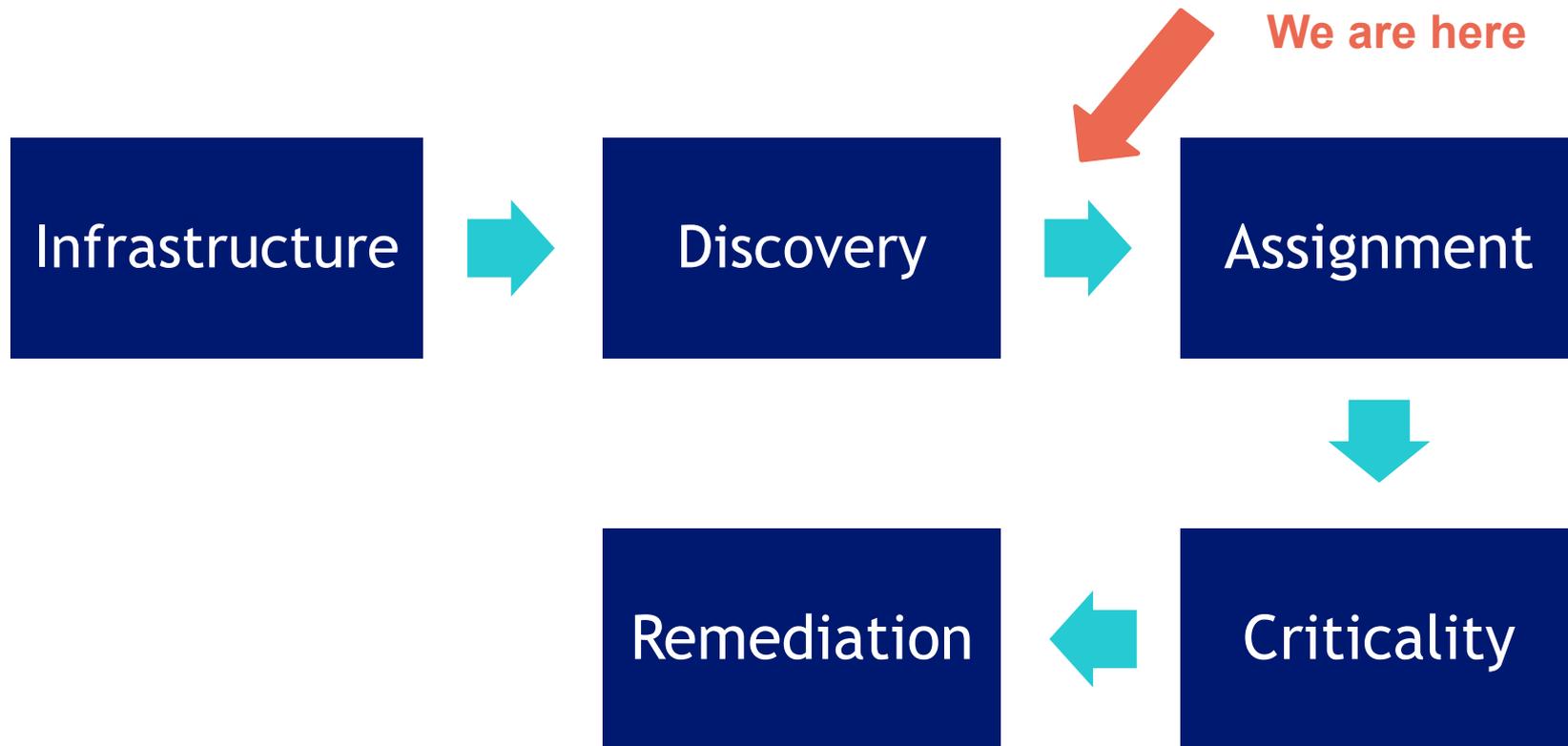
Audit Remediation Timelines (Projected)

June 2023: OSA Findings Released – Total of 72

Projected Remediation Completed: 16
(10 new +3+3)

Remaining in Progress: 56

Projected Remediation Completed: 55
(39 new + 16)

Remaining in Progress: 17

Sept 2023

March 2024

Sept 2024 - 2025

June 2023

Dec 2023

June 2024

Remediation Successfully Completed: 3

- Overdue: 3

Remaining in Progress: 66

Projected Remediation Completed: 22
(6 new + 16)

Remaining in Progress: 50

Projected Remediation Completed prior to 2025: 69

Remaining Remediation Actions: 3

Audit Accountability

- OIT is committed to reporting regularly to JTC regarding the status and progress to remediate each of these audit findings

- As our number one project for this year, the progress will be well documented and can easily be shared

- The Governance, Risk, and Compliance (GRC) tool OIT has implemented is the new foundation for our work on audit remediation

Questions?

R-01 Modernizing Aging IT Systems

Tech Debt Portfolio Updates: Overall Portfolio - 49% complete

- Mainframe Decommission Project - **85% Complete**
  - The state-owned mainframe migration to the new vendor-hosted environment occurred on July 29
    - **Estimated completion date - Q3 2023**
- 6 modernization projects are in progress and running parallel to the mainframe migration
  - Child support enforcement (ACSES), State ID numbers (SIDMOD) & Electronic Benefit Transfer (EBT) applications projects are underway as of May 2023
    - The State Verification Exchange Application (SVES) demand was added to the portfolio in Q2 2023
  - The TIBCO Cyberfusion application is being replaced with the TIBCO Managed File Transfer application in order to remain compliant with the Social Security Administration and Internal Revenue Service
    - **This project is 84% complete as of August 15, 2023**
- IT Asset Management and Salesforce Vulnerability Remediation Projects
  - Salesforce Remediation project is **78% complete**

R-01 Modernizing Aging IT Systems

- **Exit eFORT Project - 52% Complete**
  - **eFORT migrations - 54% complete**
    - Jan. 2022 - 178 occupied racks in the leased eFORT Data Center
    - FY 22-23 project tracking began with 145 occupied racks
    - July 31, 2023 - 65 of the 145 racks have been emptied (or 45%) and 95 of the original 178 (or 53%)
      - Software and hardware are being moved to the Cloud or the state-owned Data Center
    - On target to be out of the leased eFORT Data Center by January 2025
  - **Cloud Migration Program - 50% Complete**
    - Core Network Refresh Project
      - CORE Network Refresh project team is updating the existing network equipment, firewalls and wireless controllers to ensure network infrastructure is up-to-date and secure
    - WINDOWS 2008 / WINDOWS 2012 Project
      - OIT successfully decommissioned or migrated 109 of the 171 total Windows 2008 servers.
      - The Windows 2012 project is completing server inventory. Once complete, they will begin evaluating servers for decommissioning or upgrades

eFORT Migration as of July 31, 2023

* Each stack shown represents five racks. As racks are migrated out of the eFORT data center, they will become dark blue (empty) racks.

Update on FY 2023-24 Tech Debt Project

FY 2023-24 R-01 Secure Colorado: Meet the Current & Future Threats

- This request included funding ($2,000,000) to transition the state's email domain from .co.us to .gov

- We are pausing and rescoping the .gov transition project and will be re-prioritizing these funds toward the most pressing security related audit findings

- OIT will continue to provide regular updates on both projects going forward

Colorado Broadband Office Updates

Colorado Broadband Office Updates

- **Capital Projects Fund (CPF) $162M**
  - Application window open until Sept. 22
  - 60+ applications in process
  - November 2023 awards announced

- **Broadband, Equity, Access and Deployment Program (BEAD) $826.5M**
  - 5-Year Action Plan published Aug. 14
  - Initial Proposal Content and Timeline:
    - Inventory of unserved and underserved locations
    - Community anchor institution classification and identification
    - Modifications to the National Broadband Map
    - Timeline for Volume 1 is Sept. through Oct.
    - Timeline for Volume 2 is Oct. through Nov.
    - Timeline for the challenge process starts Jan. 2024

Colorado Broadband Office Updates

- **Broadband Deployment Fund**
  - Summer cycle had 12 applicants requesting $13.6M in funding
  - The BDB has $7.2M available of which $2.1M is allocated to critically unserved and $5M allocated to underserved
  - Aug. - Sept. is public comment and applicant presentations

- **Other Programs**
  - **Digital Equity Survey** (OFOW): Informs the state of affordability and digital skills needs across the state (open until Sept. 15)
  - **Workforce Development:** Public comment period is complete, CBO received 40+ comments. Next steps: Finalize the plan and publish document in a few weeks
  - **Affordable Connectivity Program (ACP)**: More than 214,053 households enrolled with a 26% participation rate representing $6.5M in investments
  - **Summer Roadshow:** CBO staff visited 15+ regions across the state

CIO

Closing Remarks

Thank You