

Treasury Information Technology Overview

Joint Legislative Committee On
Information Management And
Technology



**OREGON
STATE
TREASURY**



Treasury Mission

To Provide Financial Stewardship For Oregon.

Treasury Vision

Leading The Way For Oregonians To Achieve Long-Term Financial Security.

Information Technology (IT) Mission

Improving Oregon Governments' And Citizens' Financial Capabilities Through Collaborative, Resilient, Innovative, And Secure Technology Solutions.



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Treasury IT & Cybersecurity Overview

Program Specifics

- Operates From 3 Connected Locations: Salem, Tigard, and Tier Point
- 34 Positions

Core Functions

- Provide Resilient Enterprise Infrastructure And Expertise Needed To Conduct Business Securely And Reliably
 - In 2022, Treasury Processed 31+ Million Banking Transactions Totaling Over \$300 Billion.
- Design, Develop And Manage Solutions That Meet Business Needs Through A Combination Of Applications:
 - Cloud-based
 - Purchased
 - Custom, In-House Developed
- Proactively Manage Process And Organizational Maturity



IT Operational Structure

Technical Services Delivery

Service Desk

Asset Management

Cross Functional Teams

Application Services

Application Development

Data Management

Operations

Information Security

Security Risk Management

Application Security

Incident Response &
Disaster Recovery

Continuous Monitoring

Identity & Access
Management

Data Security

Infrastructure Services

Systems

Network Management

Office & Hybrid Work Tools



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IT Services Division Organization Chart

Chief Information Officer
Jerry Walker

Alison Henning
 Executive Assistant

Technical Services Delivery

Sebrina Gridley

Technical Service Delivery Manager

| | | |
|--|--|--|
| James Bachman IT Project Manager | Sara Bayes Service Desk Analyst | Bryson Pate Service Desk Analyst |
| Tim Powers System Support | Leslie Scott ITSM Software Analyst | Aleshia Slaughter System Support |
| Justin Southard System Support | | |

Infrastructure

Debra Gibson

Chief Technology Officer

| | |
|---|---|
| Josh Allen Network Infrastructure Team Lead | Chuck Christopher System Administration Team Lead |
| Todd Clark Network Administrator | Emadul Islam Systems Administrator |
| Tammy Kittson Systems Administrator | Kelvin Watkins System Engineer |
| | Vacant Systems Administrator |

Application Development

Open

Application Development Manager

| | |
|--|---|
| Chuck Forbes Application Team Lead | Wayne Lam Application Team Lead |
| Andrew Cunningham Senior Systems Analyst | Geoff McCausland Senior Systems Analyst |
| Bryan Zemanek Application Analyst | Sarvajeet Kaur Senior Application Developer |
| Kyle Walsh Application Analyst | Brian Preston Computer Operator |
| | Sarah Berg |

Information Security

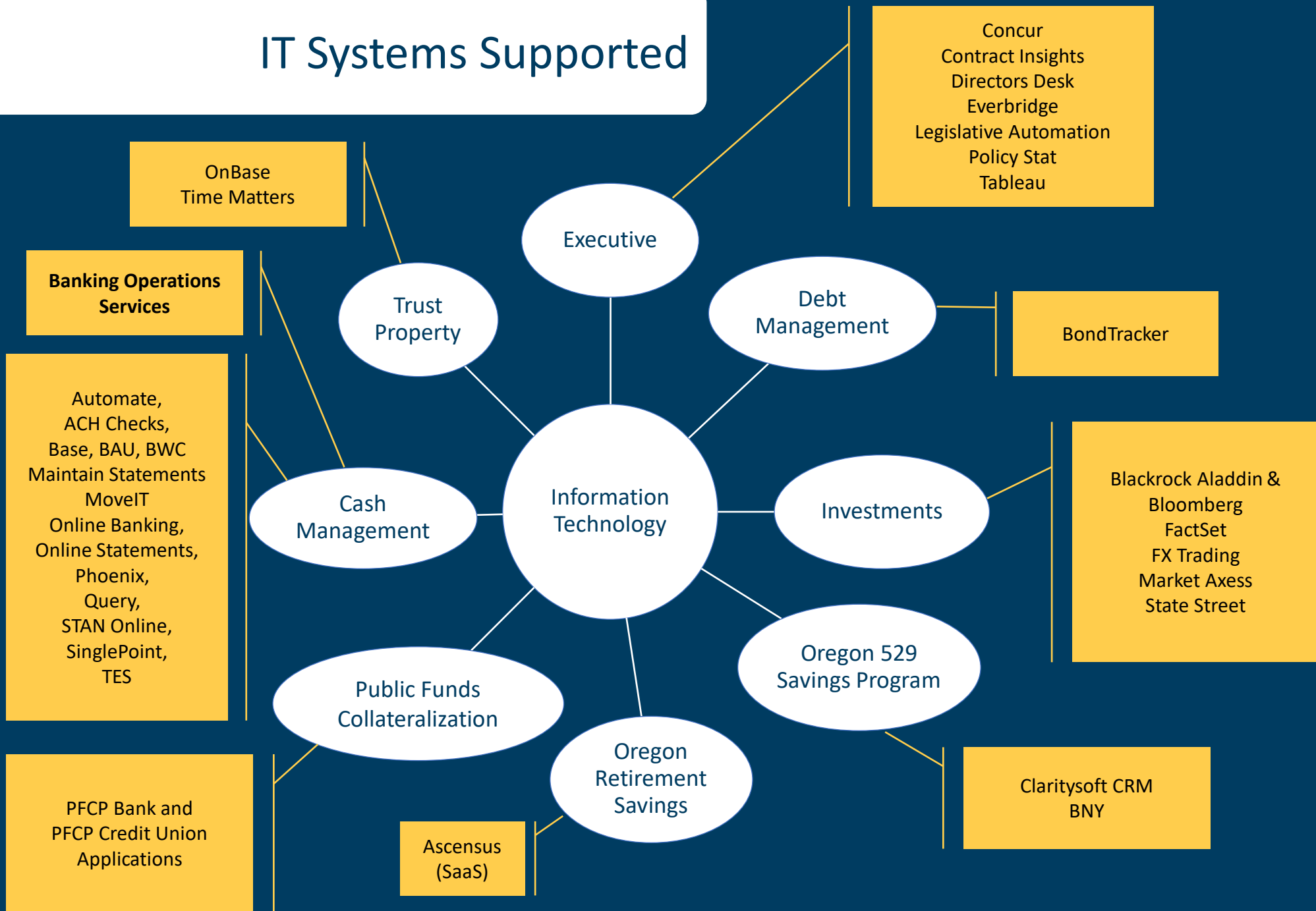
Donald Johnson

CISO/Chief Information Security Officer

| |
|--|
| Mike Poverud Security Analyst |
| Albert Richardson Systems Security Analyst |
| Dan Roddy Security Analyst |
| Cole Mahaffey Security Analyst |



IT Systems Supported



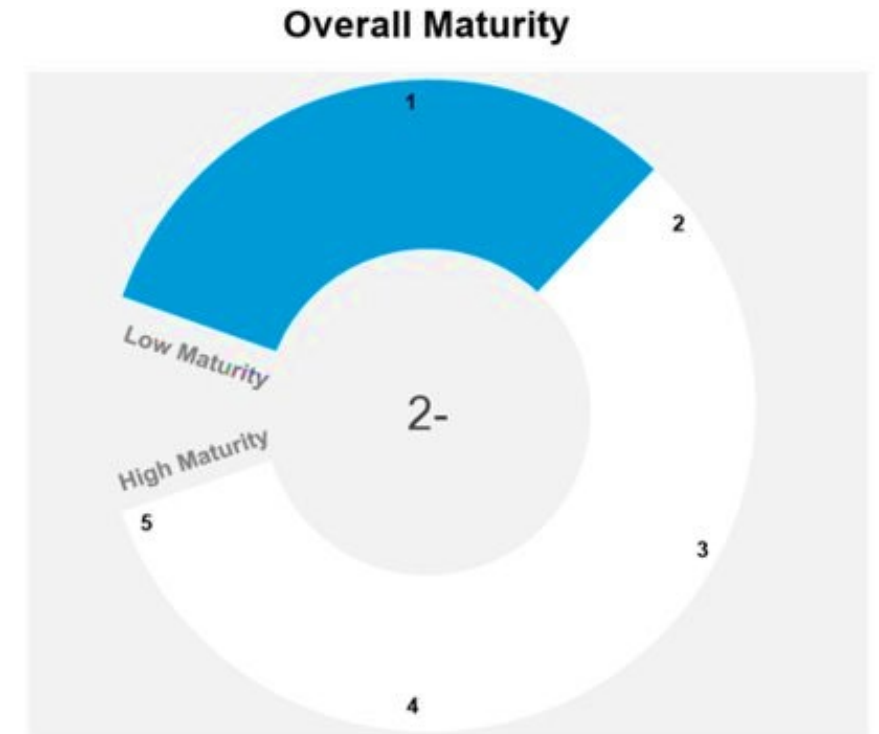
2021-2023 Notable Achievements

- 3 Senior Managers
 - CISO - Donald Johnson
 - Service Desk Manager - Sebrina Gridley
 - CTO – Brenda Gibson
- Cash Flow Automation For Investments, Took 10,000+ Daily Data Points And Refined With Automation
- Conference Room Equipment Upgrades To Improve Use Of Teams
- Foreign Travel Notifications From Concur To IT
- Identity And Access Management – Phase 2, Mature Business Process, Implement Additional Applications

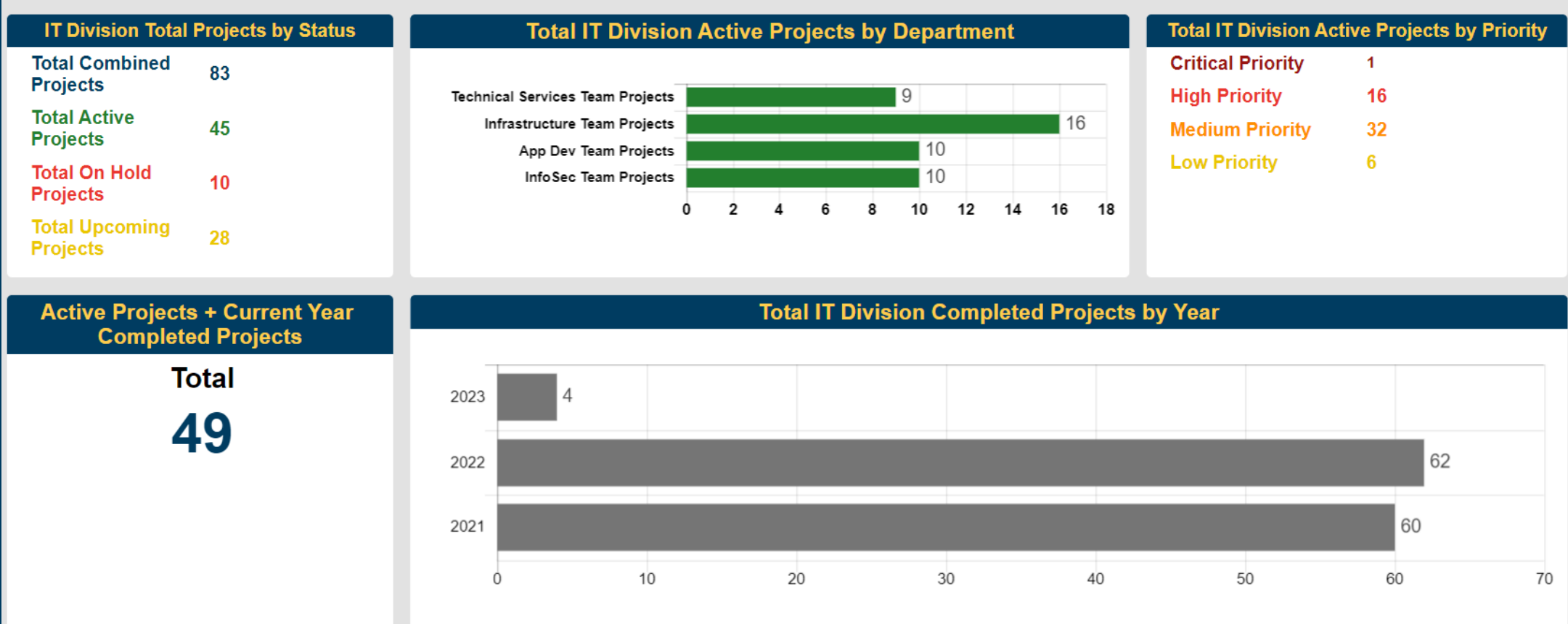


2021-2023 Notable Achievements

- Legislation Tracking System Deployed To Treasury SharePoint Site
- Process Improvement Between Banking And Investment Services To Increase Accuracy Of Cash Management
- Single Sign-On Initiative For Applications
- Supported Statewide Upgrade For Bank Transfers
- IT Maturity Utilizing Gartner IT Scorecard
- Root Cause Analysis To Help IT With Process Improvement When We Have An Issue Or Incident
- Created Short-term (3-5 Years) Roadmaps For Department Initiatives



Preview: IT Department Project Dashboard



2021-2023 Major IT Milestones

- Diversity, Equity, & Inclusion Efforts
- Cash Management Modernization Project Support & Application Development Phase 2 (EFT – BSR)
- Supporting Transition Of Trust Property To Treasury
- Identity Access Management – Role Based Access Control (IAM-RBAC)
- Network Redesign For Treasury Resiliency



IT Strategic Initiatives 2023-2025

- Cloud Project
- DevOps – Azure DevOps
- Data Governance – CDO
- Application Security
- Maturing Business Processes Utilizing Automation
- Resource Management In Project Planning
- Zero Trust Architecture
- Penetration Testing/Security Assessment
- Identity Access Management /Privileged Access Management
- NIST CSF/NIST 800-53 Rev. 5



2023-2025 Budget Request

| Biennium | Expenditure Budget | Positions | FTE |
|---|--------------------|-----------|-------|
| 2021-23 Legislatively Approved Budget (LAB) | \$15,084,940 | 34 | 31.42 |
| 2023-25 Agency Request Budget (ARB) | \$16,732,667 | 39 | 36.10 |

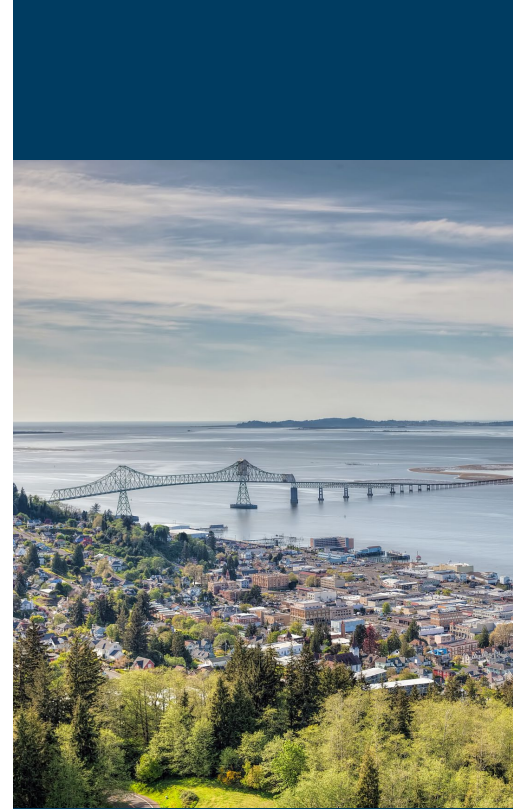


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Information Security Program Overview

Frameworks: NIST Cybersecurity Framework, NIST 800-53 Rev. 5, OR Statewide Information Security Standards (2019), & OR Statewide Information Security Plan (2018)

| Security Operations Center | Architecture & Engineering | Threat & VM | Risk & Compliance |
|---|---|---|---|
| <ul style="list-style-type: none">▪ Event Monitoring▪ Incident Response▪ IT Disaster Recovery▪ Metrics Effectiveness | <ul style="list-style-type: none">• Security Strategy• Project Consulting• New Product Reviews• IT Escalation• Zero Trust | <ul style="list-style-type: none">• Vulnerability Management• Security Configuration Management• Application Security• Access Management• Endpoint Protection | <ul style="list-style-type: none">• Policy Management• Risk Management• NIST Compliance• Security Governance• Regulatory Inquiries• Vendor Risk Management |

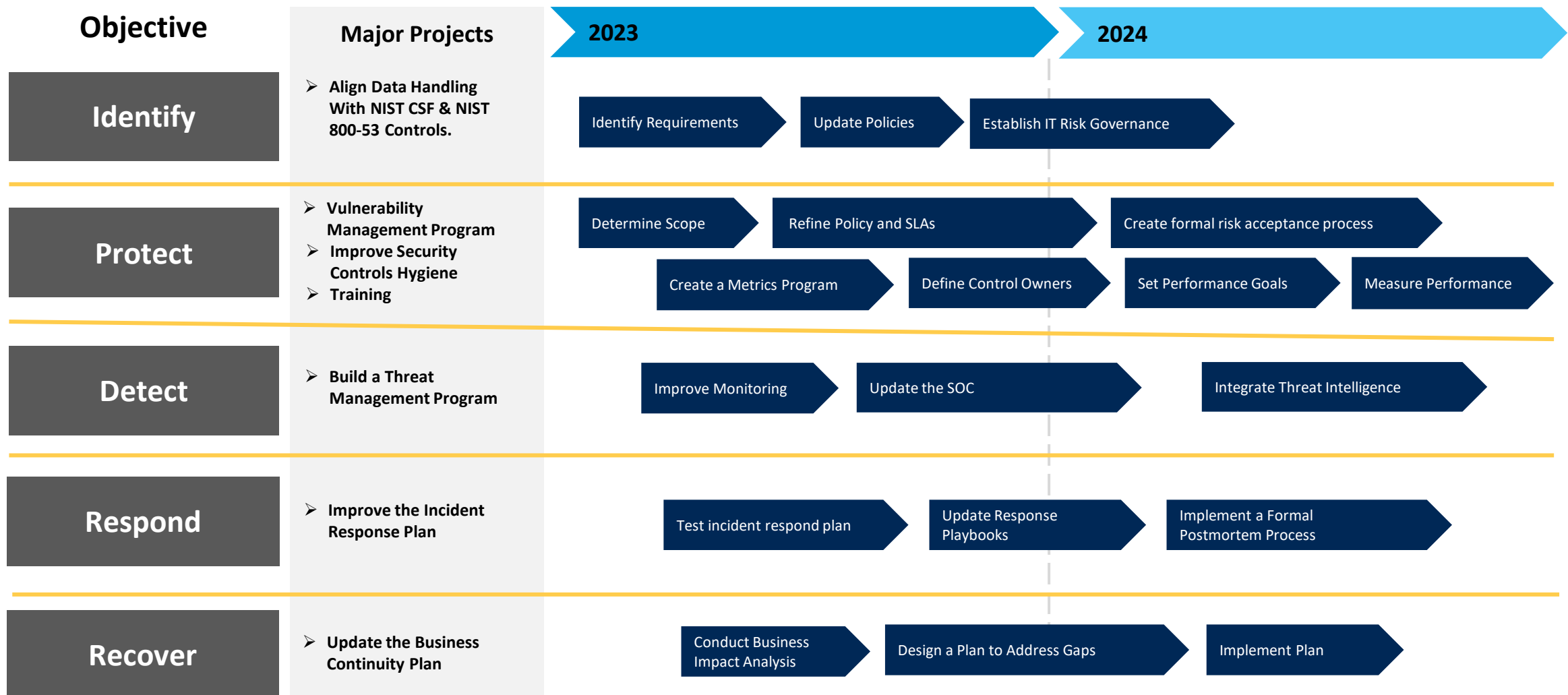


Cybersecurity Key Objectives

| Objective | Description |
|-----------|--|
| Identify | Develop Organizational Understanding To Manage Cybersecurity Risk To Systems, Assets, Data And Capabilities. |
| Protect | Develop And Implement Appropriate Safeguards To Ensure Protection Of The Enterprise's Assets. |
| Detect | Develop And Implement The Appropriate Activities To Identify The Occurrence Of A Cybersecurity Event. |
| Respond | Develop And Implement The Appropriate Activities To Take Action Regarding A Detected Cybersecurity Event. |
| Recover | Develop And Implement The Appropriate Activities To Maintain Plans For Resilience And To Restore Any Capabilities Or Services That Were Impaired Due To A Cybersecurity Event. |



Cybersecurity's Roadmap



Security Assessments

- SoS Cybersecurity Audit (2020)
- Comprehensive Penetration Test (2023)
- Security Program Gap Assessment (2023)

Staff Training

- New Hire Orientation Covers:
 - LastPass
 - Office 365 – One Drive, Teams
 - Increased Security Posture
- Annual Security Awareness Training



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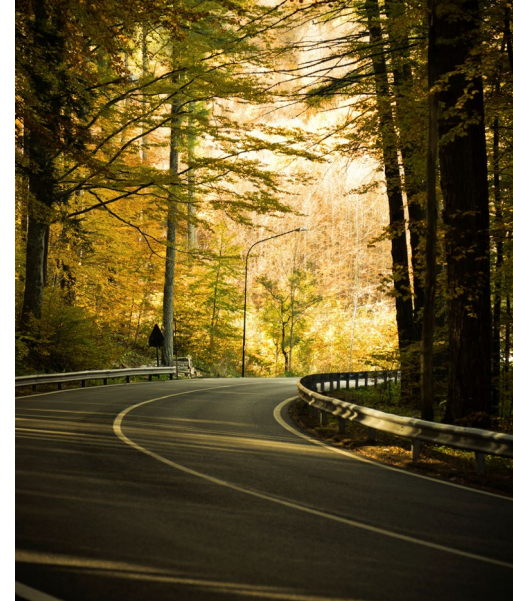
Security Collaboration

- EIS-Cyber Security Services
- Oregon DOJ Cyber Work Group
- Independent Agency Security
- Info-Tech Consultation
- Multi-State Information Sharing And Analysis Center
- Financial Services – Information Sharing And Analysis Center
- Gartner Consultation



Information Security Investments

- Threat And Anomaly Detection
- Zero Trust Architecture
- Governance, Risk, And Compliance
- Cloud Security
- Application Security
- Continuous Monitoring
- Information Security Research And Advisory Services



Information Security Policies

- ADM 904: Information Classification & Management
- IT 901: Information Security Policy
- IT 902: Acceptable Use Policy
- IT 903: Laptop and Mobile Device Security
- IT 401: Workstation Protection Standard
- IT 402: Vulnerability Management
- IT 403: Malware Protection & Management
- IT 405: Incident Response Policy
- IT 406: Privileged Account Management
- IT 407: Cloud Computing Policy
- IT 408: Third Party Access
- IT 409: Log Management
- IT 410: Account and Access Management
- IT 411: Disposal of Information
- IT 412: Removable Media





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