

Information Security Report

2023



OREGON
STATE
TREASURY

May 31, 2023

Joint Legislative Committee on Information
Management and Technology

Treasury Mission

Improving Oregon Governments' And Citizens' Financial Capabilities

Treasury Vision

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

Treasury IT Mission

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



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Treasury's Cyber Security Profile

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.

Department Overview

- Complex integrated systems providing critical financial transactions
 - Three connected locations (Salem, Tigard, Tier Point)
- Design and manage solutions that meet business needs through a combination of cloud-based, purchased, and custom in-house developed applications



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Cyber Attacks in the Financial Services Industry

The financial industry is 300 times more likely to face an attack

- The cost of a data breach in the United States averaged 9.44 million USD in 2022
- The average time to contain a data breach in the Financial Services Industry was 69 days in 2022

The Effect: More money is being dedicated within the financial industry to address and contain cyber attacks

*2022 Gartner- Risk in Financial Services: Top Threats for 2022

*2022 IBM Security- Cost of a Data Breach Report 2022





Top Threats To Financial Services Organizations

Phishing

Denial of Service
DDoS

Ransomware

Malware

Smishing

*2022 FS-ISAC- Annual Threat Trend Report



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Biggest Impacts of Cyber Events

- **Financial Loss**
- **Data Theft/ Data Leak**
- **Customer Trust And Reputational Damage**
- **Disruption Of Operations**
- **Regulatory And Legal Consequences**
- **Increased Cybersecurity Costs**



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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	Vacant ITSM Software Analyst	Vacant System Support
Justin Southard System Support		

Infrastructure

Brenda Gibson
Chief Technology Officer

Vacant Network Infrastructure Team Lead	Chuck Christopher System Administration Team Lead
Todd Clark Network Administrator	Emadul Islam Systems Administrator
Vacant Network Administrator	Tammy Kittson Desktop Engineer
	Aleshia Slaughter Systems Administrator

Application Development

Adam Burt
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

Vacant Security Analyst
Albert Richardson Systems Security Analyst
Dan Roddy Security Analyst
Cole Mahaffey Security Analyst

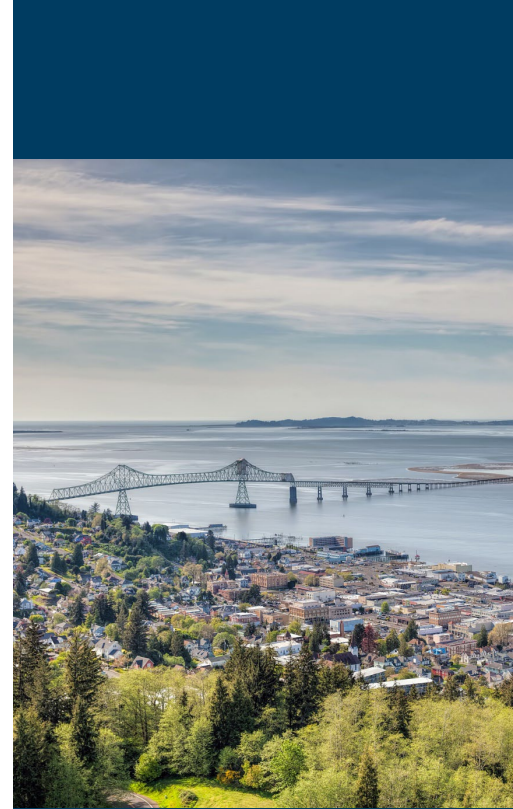


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Information Security Program Overview

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

Security Operations Center	Architecture & Engineering	Threat & Vulnerability Management	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



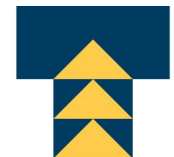
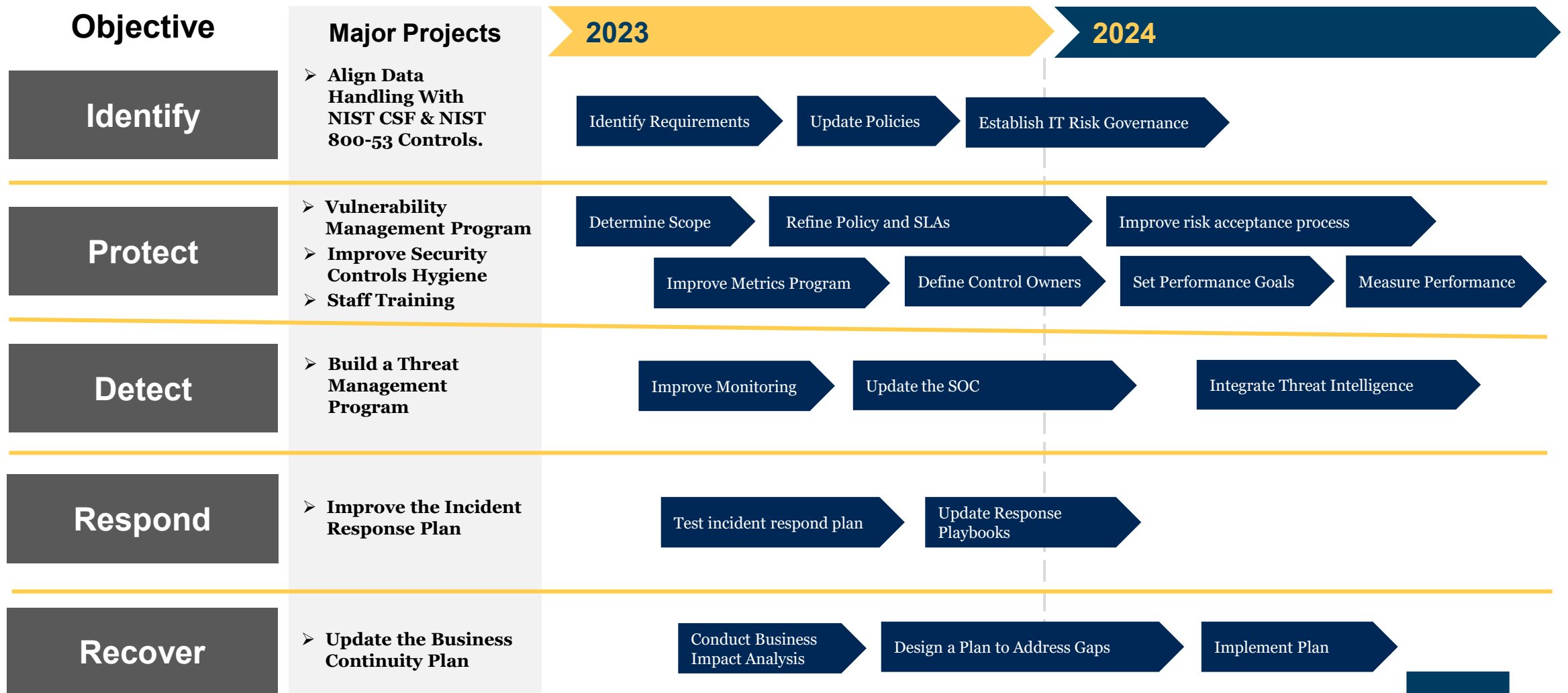
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Cybersecurity Key Objectives

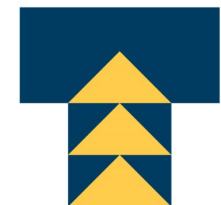
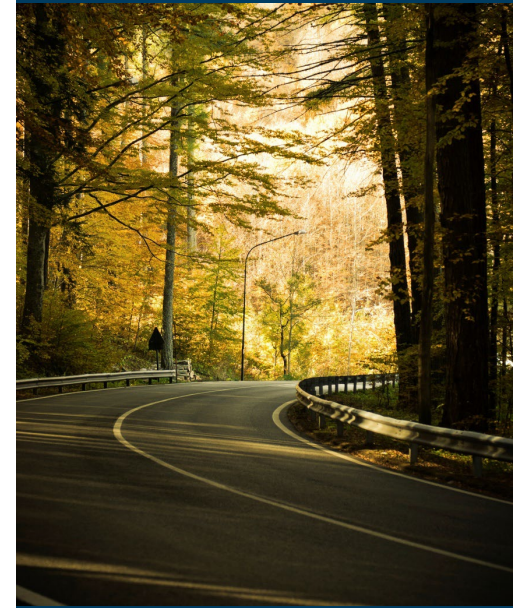
Objective	Description
Identify	Develop Organizational Understanding To Manage Cybersecurity Risk To Systems, Assets, Data And Capabilities.
Protect	Develop And Implement Appropriate Safeguards To Ensure the Protection Of Oregon State Treasury Assets.
Detect	Develop And Implement The Appropriate Activities 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



Information Security Investments

- Governance, Risk, And Compliance
- Cloud Security
- Zero Trust Architecture
- Identity And Access Management (IAM)
- Application Security
- Detection And Response Capabilities
- Disaster Recovery/ COOP



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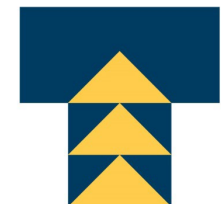
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Security Assessments

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

Staff Training

- New Hire Orientation
- Annual Security Awareness Training
- Monthly Security Tips
- Simulated Phishing Tests



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Security Collaboration

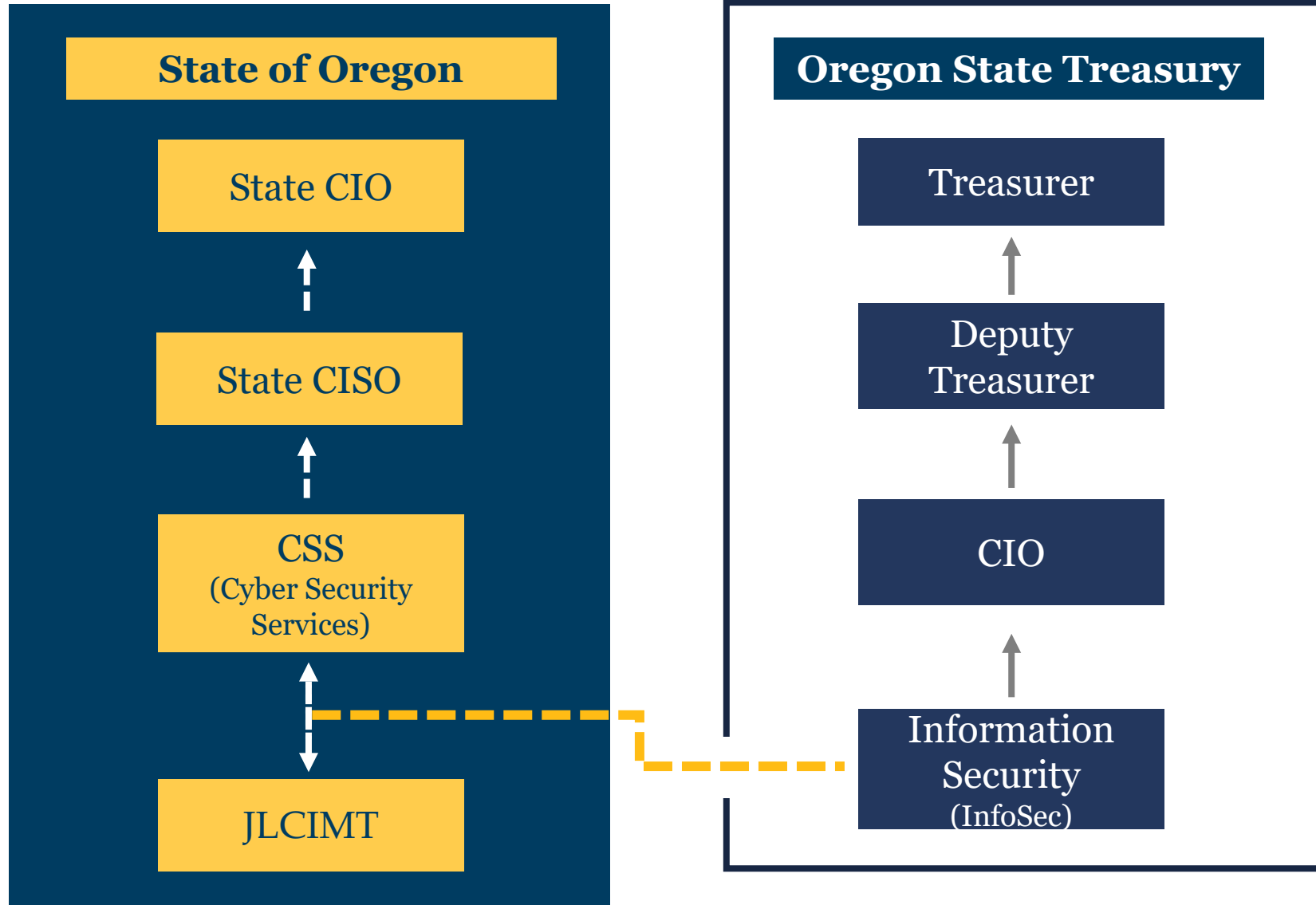
- EIS-Cyber Security Services
- Oregon DOJ Cyber Work Group
- Info-Tech Consultation
- Multi-State Information Sharing And Analysis Center
- Financial Services – Information Sharing And Analysis Center
- Gartner Consultation



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Security Governance



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Infosec Staff Training

- Cyber Security Conferences
- Cyber Security Webinars
- Security Bootcamps & Certifications
- Information Security Community



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