NCSL – Cybersecurity Task Force Meeting

April 21, 2017

Oregon Legislative Fiscal Office

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Principle Legislative IT Analyst &
JLCIMT Committee Administrator

Oregon Legislative Fiscal Office (LFO)

- Legislative Fiscal Officer (Ken Rocco) appointed by co-chairs of Joint Committee on Ways and Means (Senator Devlin and Representative Nathanson)
- **LFO is a permanent nonpartisan** legislative service **agency that:**
  - Provides comprehensive research, analysis, and recommendations on state's biennial budget
  - **Evaluates state expenditures, program administration, and agency organization**
  - **Assists in developing Legislature's adopted balanced budget**
  - **Prepares fiscal impact statements on legislative measures**
  - Publishes detailed analyses, summary documents, and briefs on budget-related topics
  - Performs other duties as directed by the Legislative Fiscal Officer

https://www.oregonlegislature.gov/lfo

Oregon Legislative Fiscal Office (LFO)

Provides Professional Staff Support

- **Emergency Board** *(Legislative Interim)*
- **Joint Committee on Ways and Means**
- **Joint Legislative Audits Committee**
- **Transparency Oregon Advisory Commission**
- **Joint Legislative Committee on Information Management and Technology**
- **Other Special Committees or Task Forces**

Oregon Legislative Fiscal Office (LFO)

Establish Statewide IT Goals and Policy

JLCIMT

Statutory Committee

(ORS 171.852 - 171.855)

Provide IT Project and Cybersecurity Oversight
(Support JWM)

Conduct Studies

IT & Cyber-security

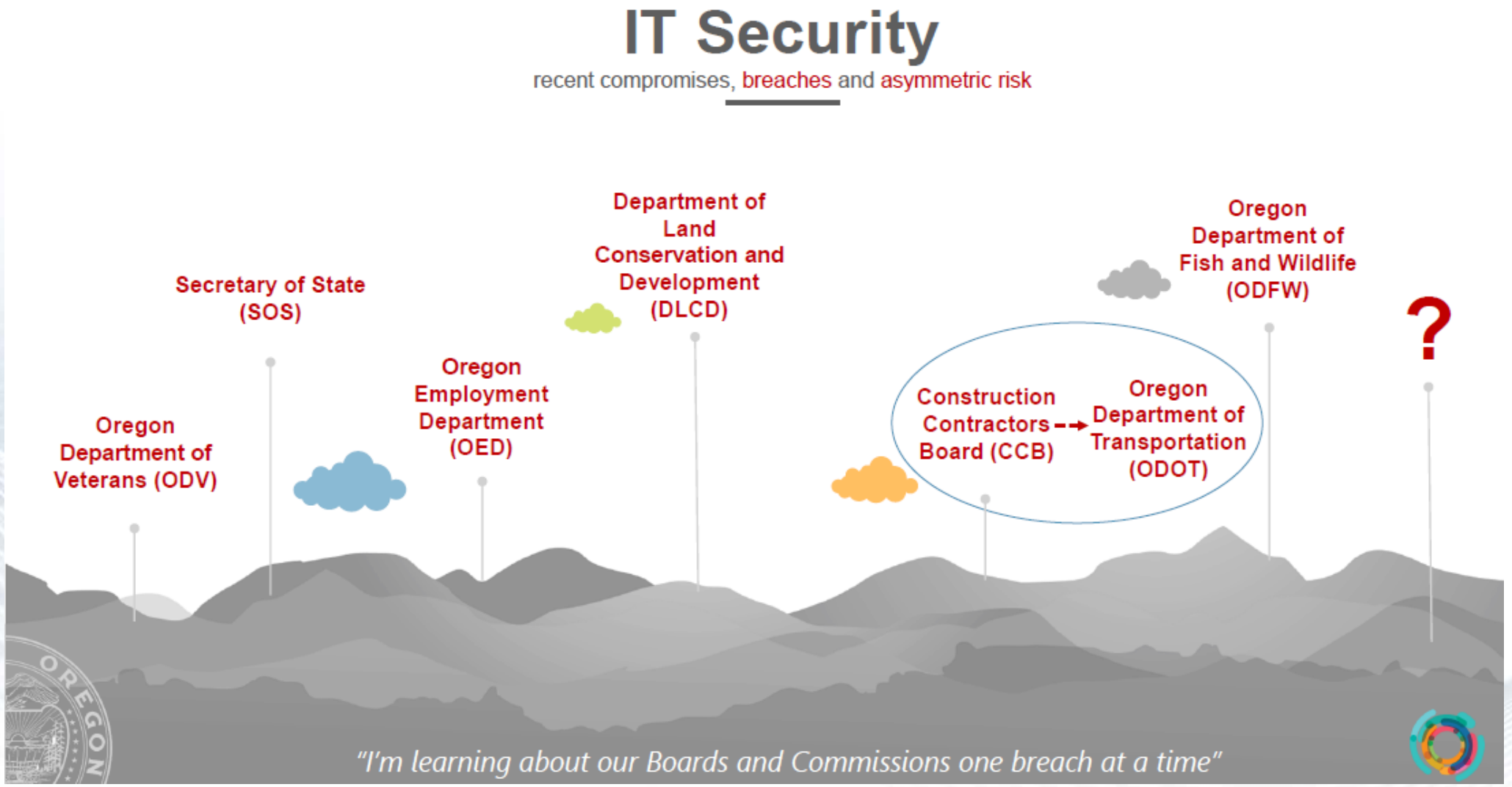
Introduce & Oversee

IT &

Cybersecurity Policy Bills

- https://www.oregonlegislature.gov/bills_laws/ors/ors171.html
- https://olis.leg.state.or.us/liz/2017R1/Committees/JLCIMT/Overview

Information Security Incidents - *2014-2016*



Key Actions – 2015

- **February 2015,** Legislature introduces **HB 3099 to transfer enterprise IT operations and information security oversight authority from DAS Director to State CIO**
- **March 26th, 2015.** Governor Brown directs **State CIO to take interim control of State Data Center operations** in response to IT Security Incident and other issues
- **July 2015.** SB 5502, DAS Appropriation Bill – **adds 12 IT security positions.** Moves State CIO's Enterprise Security Office from **5 to 17 positions**
- **August 2015.** Secretary of State Audit 2015-20. State Data Center. Numerous findings, but progress being made. Indicate next audit will focus on agencies
- **August 2015.** Governor Brown **signs HB 3099 into law**
- **December 7th, 2015. Emergency Board –** DAS Rebalance & OSCIO Reorganization – **increased OSCIO Enterprise Security Office from 17-24 positions**

SOS Audit 2015-20 - http://sos.oregon.gov/audits/documents/2015-20.pdf
HB 3099 - https://olis.leg.state.or.us/liz/2015R1/Measures/Overview/HB3099

Key Legislative Action – 2016

JLCIMT Senate Bill 1538

- Introduced as JLCIMT bill in February 2016.
- **Requires state agencies – Executive, Legislative, Judicial Branch - to notify LFO of information security assessments and incidents**
- Requires heads of certain state agencies to provide annual report concerning information security to the JLCIMT
- Became operative July 1, 2016

SB 1538 - https://olis.leg.state.or.us/liz/2016R1/Measures/Overview/SB1538

Key Action – 2016

Secretary of State Audit: 2016-30

July/August 2016 – Preliminary Findings: state agency information security posture

- ***"Security is not a priority."*** Security is not a priority within many agencies and the current model is probably hopeless.
- ***"Empty promise of security."*** The state of Oregon does not effectively resource and coordinate IT security at an enterprise level.
- ***Going it alone.*** Some agencies refuse assistance and instead "circle the wagons."
- ***"Highly informal."*** Security controls in place are being carried out by IT line staff using whatever tools they happen to have at their disposal.
- ***Genie out of the bottle.*** Non-approved and unsecured "cloud applications" are deployed throughout the enterprise (along with other shadow IT)

November 2016. Secretary of State Audit 2016-30. Agency Information Security
http://sos.oregon.gov/audits/documents/2016-30.pdf

Key Executive Branch Action – 2016

Executive Order – 16-13

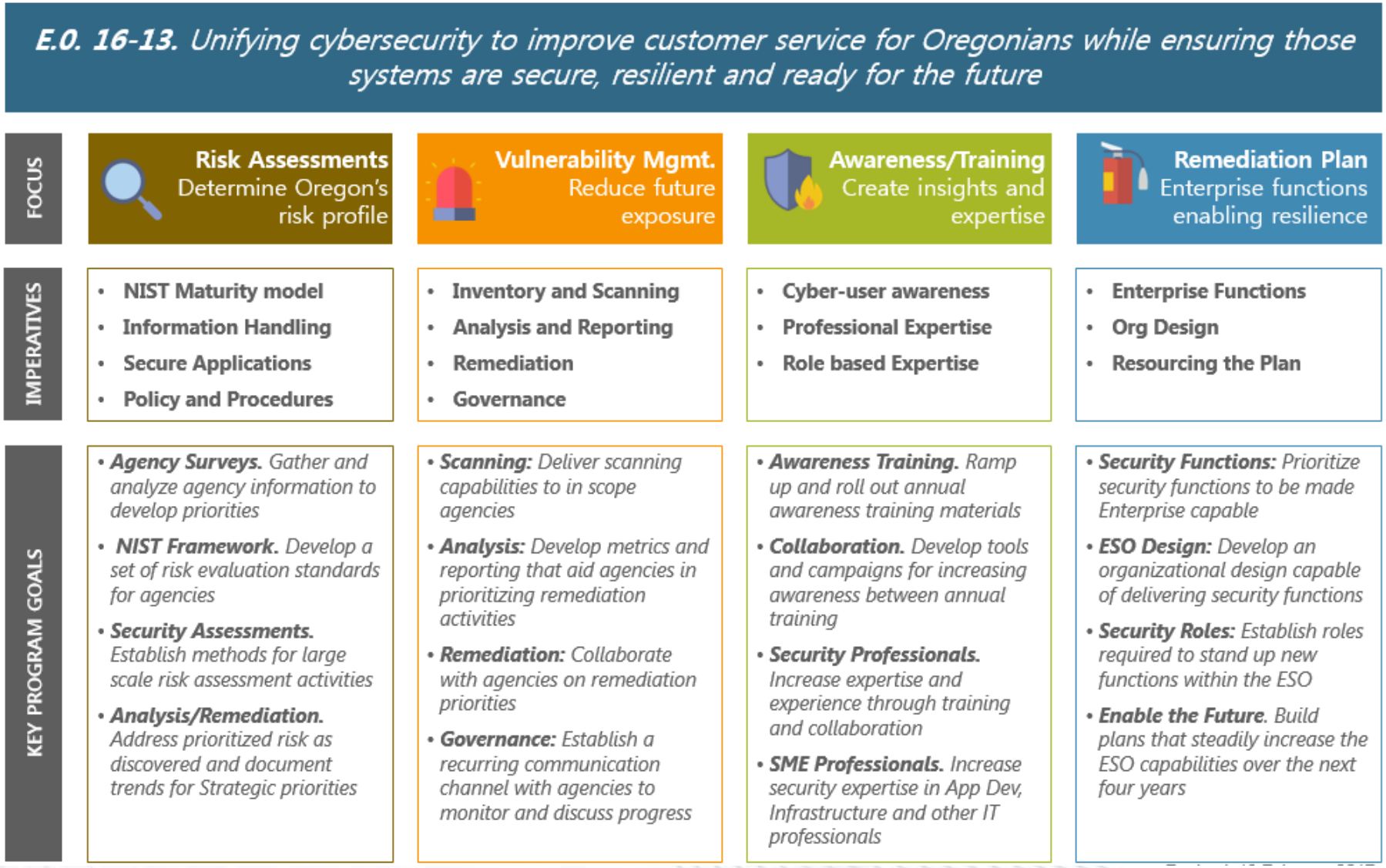
September 12, 2016. *Executive Order No. 16-13 "Unifying Cyber Security in Oregon"*

- **Unifies cybersecurity functions and personnel within the Executive department under the direction of the State CIO**;
- Requires Office of the State CIO to conduct a statewide agency-by-agency risk-based security assessment and remediation program; and
- Requires Office of the State CIO to conduct and document the completion of (IT) security awareness training by all state employees.
- Agencies billed for cost of tools, assessment services, and training

Temporary measure – must be codified by Oregon Legislature in 2017

EO – 16-13: http://www.oregon.gov/gov/Documents/executive_orders/eo_16-13.pdf

E.O. 16-13. *Unifying cybersecurity to improve customer service for Oregonians while ensuring those systems are secure, resilient and ready for the future*



Focus on Executive Order but identifies some key budget categories for Cybersecurity

Current Actions

2017-19 Budget & Senate Bill 90

- ***December 1, 2016.*** 2017-19 **Governor's Budget calls for**
  - **Increase funding/staffing** for OSCIO Enterprise Security Office by **$11,446,351 and 36 positions** or 35.75 FTE (a shift of budget/FTE out of other agency budgets)
  - If adopted by Legislature **will increase** OSCIO Enterprise Security Office **staffing from 24 to 60 information security professionals (funded via agency assessment $)**
- ***February 2017.*** SB 90 – IT Security Unification and Cybersecurity Center of Excellence
  - **SB 90 codifies Executive Order 16-13 via statute**
  - Provides for unification of IT security within executive branch
  - **Establishes a Cybersecurity Fund** – account segmented from State IT Operating Fund
  - Establishes an Oregon Cybersecurity Center of Excellence (CCoE)
    - Public-private state-civilian interface for information sharing, coordination of cyber incident response, developing a statewide cyber strategy, identifying best practices and encouraging development of Oregon's cyber-security workforce.
  - **Currently working its way through various legislative committees w/amendments**

SB 90: https://olis.leg.state.or.us/liz/2017R1/Measures/Overview/SB90

Oregon Cybersecurity Challenges

- **Decentralized** agency operations model – program and IT services
- **Dispersed** authority/responsibility for Cybersecurity – agencies & State CIO
- **Uneven** staffing and funding levels, expertise & capability – Have/Have Not
- **Scarce** funding available (color of money) – uneven ability to address need
- **Limited** availability of Cybersecurity professionals willing to work for state pay ranges – agencies are competing with one another for cyber talent
- Propensity to **blame and shame** vs. community based/public health model
- All of this leads to **risk for the many from the few or the one… weakest link(s)**

Thank You

Contact Information

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