HJR 21 – Study on Personal Information Ownership
State Government Data

Ron Baldwin, Montana's State Chief Information Officer

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Montana Security: Law and Policy within State Government

- Department Of Administration
  - **2-17-512.** (e) establish and enforce statewide information technology policies and standards;
  - **2-17-534. Security responsibilities of department.**
    - The department is responsible for providing centralized management and coordination of state policies for security of data and information technology resources and shall:
- Agencies
  - **2-15-114. Security responsibilities of departments for data.**
    - Each department head is responsible for ensuring an adequate level of security for all data within that department and shall:
  - **2-15-112. Duties and powers of department heads.**
    - (b) establish the policy to be followed by the department and employees
- Enterprise Policy
  - Information Security Policy
  - Internet Privacy and Security Policy
  - Data Classification Policy

Maintaining Privacy, Confidentiality and Authorized Access

- **2-6-1502. Protection of personal information**
  - (1) Each state agency that maintains the personal information of an individual shall develop procedures to protect the personal information while enabling the state agency to use the personal information as necessary for the performance of its duties under federal or state law.

- **2-6-1014. Protection and Storage of Essential Records**
  - (2) Each public officer shall ensure essential records are efficiently and effectively secured

- **2-17-505. Policy (Guiding policies for information technology)**
  - (1) It is the policy of the state that information technology be used to improve the quality of life of Montana citizens by …. protecting individual privacy and the privacy of the information contained within information technology systems.

House Bill 10 – Security Requirements

- Data Protection Initiative
    - All business application systems funded under this section must have a plan approved by the chief information officer for the design, definition, creation, storage, and security of the data associated with the application system.

House Bill 10 – Security Funding

- Phase 1
  - access control and verification.
    - multi-factor authentication,
    - statewide risk assessment and penetration test that will highlight vulnerabilities and generate requirements for improving security

- Phase 2
  - enhance information security statewide to better protect state government information systems which includes citizen and other confidential data.
    - Montana Information Security Advisory Council
    - Enterprise Security Program
    - Statewide Information Security Training and Awareness Program
    - Implementation of the Web Firewall Product to all web applications with access to confidential information
    - Enhancement to technical information security training

Montana Security: Federal Laws and National Standards

- Federal Government's Role
  - HIPAA (Health Insurance Portability and Accountability Act)
    - PHI (Protected Health Information)
    - ePHI (Electronic protected health information)
  - Federal Tax Information (FTI)
    - Publication 1075
  - CJIN (Criminal Justice Information Network)
    - FBI's National Crime Information Center
    - National Law Enforcement Telecommunications
  - PCI (Payment Card Industry)
  - PII (Personally Identifiable Information)
  - NIST (National Institute of Standards and Technology)
    - Cybersecurity Framework
    - SP 800-53 Rev4 – Security and Privacy Controls

Sensitive information that the state collects and how it is shared

- Data collected and shared:
  - Tax Information
    - State Income Tax Forms, Property Taxes, Employment, Businesses
  - Criminal Justice Information Network (CJIN)
    - Highway Patrol, Sheriff and City Police
  - Public Health and Human Services
    - Benefit eligibility, Medicaid claims
  - Justice / Courts
    - CJIN, Criminal History, Court Records

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State of Montana Enterprise Security

- State Chief Information Security Officer – Lynne Pizzini
  - Security Operations
    - Web Firewall and Filtering, Analyzing traffic
  - Information Security Bureau (ISB) - SITSD Focused
    - SITSD Security Policies
    - Risk Management Program
    - Disaster & Recovery, Incident Response
    - Digital Forensics for (Non Criminal) State Agencies
  - Enterprise Security Program – Agency Focused
    - Enterprise Security Policies
    - Enterprise Security and Awareness Program
      - All state employees must have security and awareness training
    - MT-ISAC

Montana Information Security Advisory Council (MT-ISAC)

- Created by Executive Order by Governor Steve Bullock
- Diverse membership from State and Local Government, Legislature, Homeland Security, Universities, K-12 schools and Public

State Chief Information Officer - **Ron Baldwin (Chair of MT-ISAC)**	*State Homeland Security Advisor -* **Major General Matthew Quinn**	*MATIC(Montana Analysis & Technical Information Center) Representative* - **Bryan Costigan**
Montana Department of Revenue - **Margaret Kauska**	Montana Department of Public Health and Human Services - **Stuart Fuller**	Montana Department of Justice - **Joe Chapman**
Office of Public Instruction - **Jim Gietzen**	Department of Corrections - **John Daugherty**	Montana Department of Natural Resources & Conservation - **Kreh Germaine**
State Chief Information Security Officer - **Lynne Pizzini**	The University of Montana - **Adrian Irish**	City Of Kalispell - **Erika Billiet**
State Legislature - **Senator Mark Blasdel**	State Legislature - **Representative Kelly McCarthy**	General Public - **Sherri Davidoff**, Founder - LMG Security

Montana Information Security Advisory Council (MT-ISAC)

- Advise the Governor with respect to a statewide strategic information security program (Governor Bullock executive order 05-2015)
- The Mission of MT-ISAC is to recommend an integrated interagency information security strategy to enhance the State information security posture
- Goals and Objectives of the Council have been designed to improve the state's situational awareness by developing a strong governance, posture, and response toward a current and future security strategy

Montana Information Security Advisory Council (MT-ISAC)

- What has MT-ISAC done so far?
  - First Meeting – August 19th 2015
- Set Goals and Objectives for the 2015 Biennium
  - Council has approved 10 distinctive workgroups that will assist in accomplishing the goals and objectives.
  - Currently there are three active workgroups. Best Practices, Assessment and Situational Awareness.
- Council approved the Enterprise Information Security Policy
  - Based from National Institute of Standards and Technology (NIST) Cybersecurity Framework as well as NIST Common Baseline Security Controls
  - Consolidated and rescinded 28 Enterprise Security Polices, Standards, Procedures
  - State Agencies are to have compliance within three to five years, with a yearly status report to the State CIO on progress

Harvard Business Review

- Cybersecurity's Human Factor: Lessons From the Pentagon
  - Winnefeld, J., Kirchhoff, C. & Upton, D. (2015, September 2015), 87-95

Questions?