Joint Committee on Kansas Security

October 13, 2023

Jeff Maxon
Executive Branch
Chief Information Technology Officer

Agenda

- Kansas Information Security Office Overview
- State General Fund Enhancement for Cybersecurity Operations
- Generative Artificial Intelligence Policy
- Cybersecurity Collaboration with Locals

Background

- Created as part of the Kansas Cybersecurity Act in 2018
- Primarily created to advise and consult
- Integrated basic cybersecurity services into OITS provided services
- Advanced cybersecurity services available to agencies for a fee
- Operating budget came from OITS collected fees

Current State

- Authorized 28 FTE Positions
- Cybersecurity internship program
- Budget of approximately $11 million
  - $5.75 million State General fund
  - $5.25 million off budget
- Provide cybersecurity services across the executive branch and to OITS provided enterprise services
- CISO can now set cybersecurity policy

Strategic Goal

- "To ensure the confidentiality, integrity, and availability of the State's information technology resources."

Strategic Outcomes

- ## Secure
  - Develop a collective and enterprise-wide approach to cybersecurity to protect the state from the impacts of cyberattacks.

- ## Vigilant
  - Design, build, and implement capabilities to seek out, identify, and remediate cyberthreats and vulnerabilities within the State of Kansas enterprise.
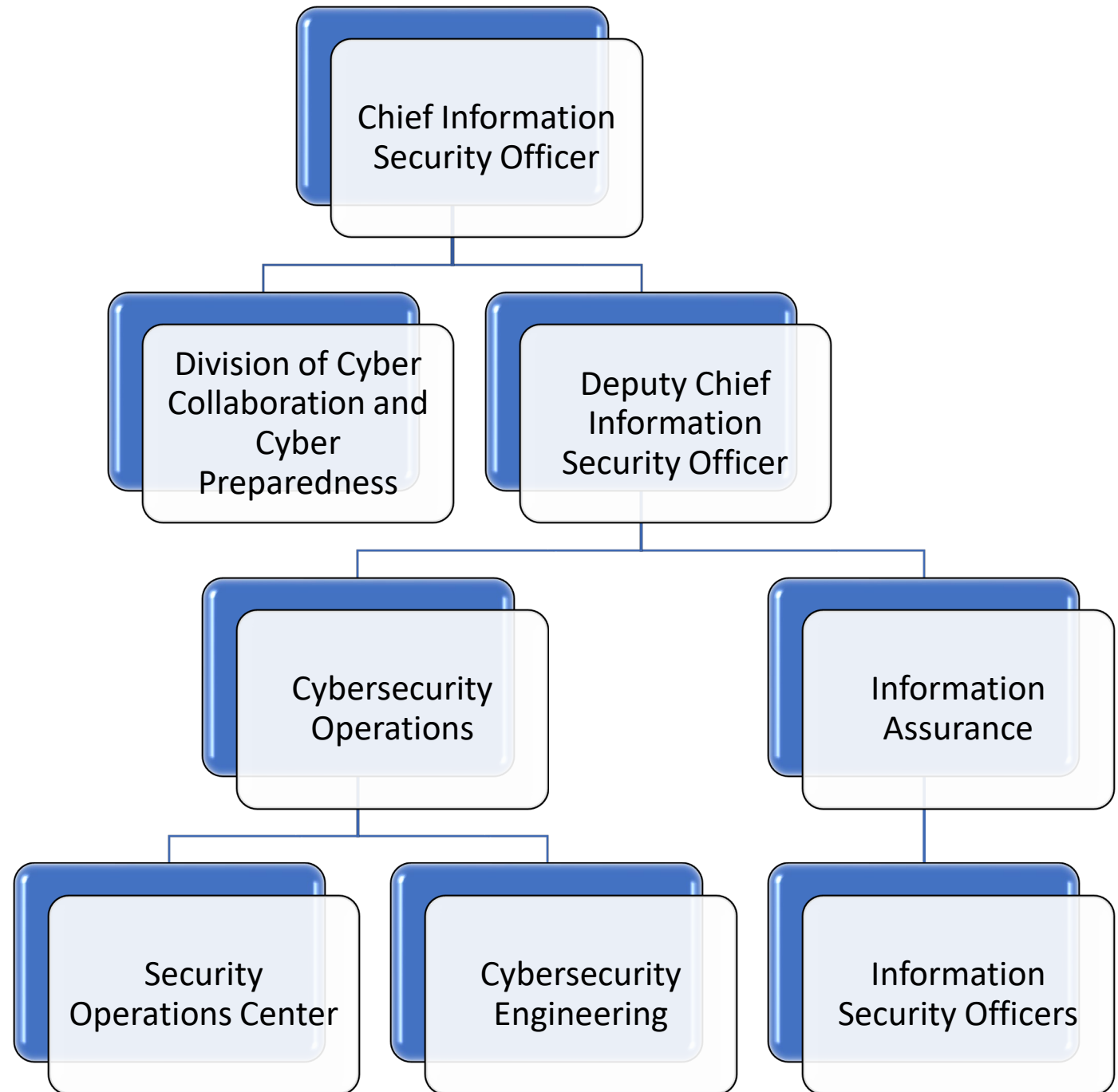
- ## Resilient
  - Design, build, and implement solutions and services that can survive disruptions and can be recovered to a known good state of operation in a quick fashion.

Strategic Outcomes Continued

- ## Compliant
  - Ensure enterprise efforts abide by all applicable rules, laws, regulations, and policies while aligning with industry best practices.

- ## Consistent
  - Apply/Adopt information security and risk management principles in a structured and uniformed manner across the enterprise.

KISO Org Chart

Chief Information Security Officer

- Division of Cyber Collaboration and Cyber Preparedness
- Deputy Chief Information Security Officer
  - Cybersecurity Operations
    - Security Operations Center
    - Cybersecurity Engineering
  - Information Assurance
    - Information Security Officers

Cybersecurity Operations

- Security Engineering and Security Operations Center
- Design, implement, manage technical cybersecurity tools
- Monitor cybersecurity tools for alerts and anomalies
- Investigate cyber incidents
- Serve as the first responders to a cyber incident
- Cyber threat intelligence sharing
- Protect the KANWIN network

Information Assurance

- Information Security Officers
- Build information security programs in agencies
- Serve as local information security advisor to agency leadership
- Compliance and audit assistance
- Conduct information security assessments
- Information Security risk identification and mitigation
- Serve as liaison between agencies and the KISO
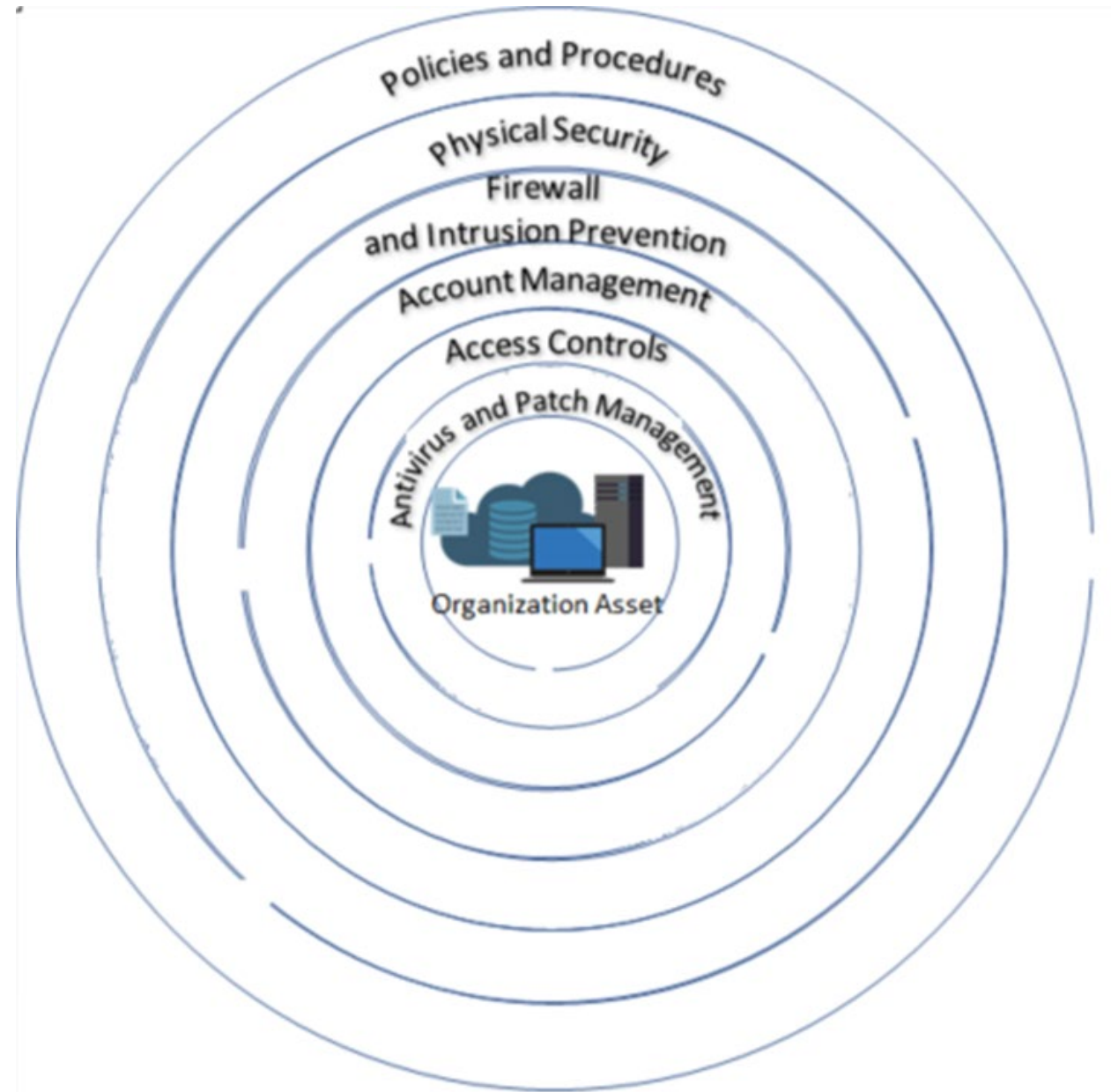
Cyber Collaboration and Cyber Preparedness

- Facilitates outreach and education with local government
- Works to build IT resilience with agencies and local government
- Conducts tabletop exercises with both agencies and local government
- Facilitates lessons learned after incidents
- Manages the state and local cybersecurity grant program

Threat Landscape

- Executive Session

Defense In Depth

- An information security strategy that integrates people, technology, and operations capabilities to establish variable barriers across multiple layers and missions of the organization. - NIST

Policies and Procedures

Physical Security

Firewall and Intrusion Prevention

Account Management

Access Controls

Antivirus and Patch Management

Organization Asset

State General Fund Enhancement for Cybersecurity Operations

SGF Enhancement for Cybersecurity Operations

- 9 New Positions, 7 filled
- Elimination of charging for any cybersecurity or information security services
- Providing Information Security Officers to agencies at no cost
- Providing multiple cybersecurity tools to agencies at no cost
  - Endpoint Detection and Response (EDR) solution
  - Enterprise patching solution
  - Identity and Access Management (IAM) solution
  - Governance Risk and Compliance (GRC) solution

Questions

Generative AI

- Readily Available
- Being built into common applications
- Next generation of searching
- Can increase employee productivity
- Vendors are already implementing this technology

Concerns

- Intellectual property rights
- Responses can be manipulated or inaccurate
- AI hallucinations
- Kansas data used to train Generative AI tool without consent
- Lack of control of data

State Policy

- Sets guard rails around Generative AI use

- Serves as introduction of the technology and associated risks

- Prohibits the use of Generative AI without human intervention

- Requires vendors to disclose the use of Generative AI

- Doesn't allow vendors to use Kansas confidential information to train their models

POLICY AND PROCEDURES
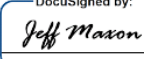MEMORANDUM
8200.00

Effective Date
31 July 2023

Approval Date
25 July 2023

Type of Action
Revision

1.0 SUBJECT: Generative Artificial Intelligence Policy

2.0 DISTRIBUTION: Executive Branch Cabinet and Non-Cabinet Agencies

3.0 FROM: *Jeff Maxon*
                       Jeff Maxon, Interim Chief Information Technology Officer

4.0 PURPOSE:

The purpose of this policy is to outline the acceptable use of generative artificial intelligence (AI). The policy is created to protect the safety, privacy, and intellectual property rights of the State of Kansas.

5.0 BACKGROUND:

As generative AI technology progresses, chatbots, virtual assistants, and other systems based on it are becoming more prevalent. These can include standalone systems, be integrated as features within search engines, or be overtly or transparently embedded in all manner of other software

Questions

Cybersecurity Collaboration with Locals

Cybersecurity Collaboration with Locals

- 2022 created Division of Cyber Collaboration and Cyber Preparedness
- Hosted two statewide public sector cyber summits
- Hosted 4 cyber training courses open to local government at no cost
- Conducted multiple listening tour/needs assessments discussions across the state
- Conducted several tabletop exercises with local governments
- Presented at several association events
- Joined Government Management Information Sciences (GMIS)

Questions