

Joint Committee on Information Technology

Jeff Maxon
Chief Information Technology Officer
November 21, 2024



Agenda

- Quarterly Report
- 2024 3-Year IT Plan
- Generative AI Policy Update
- ITEC and SB 291
- DataCenter as a Service
- Cybersecurity Operations

KITO Quarterly Report

**November 21,
2024**



KITO Quarterly Report



July-September 2024 Report



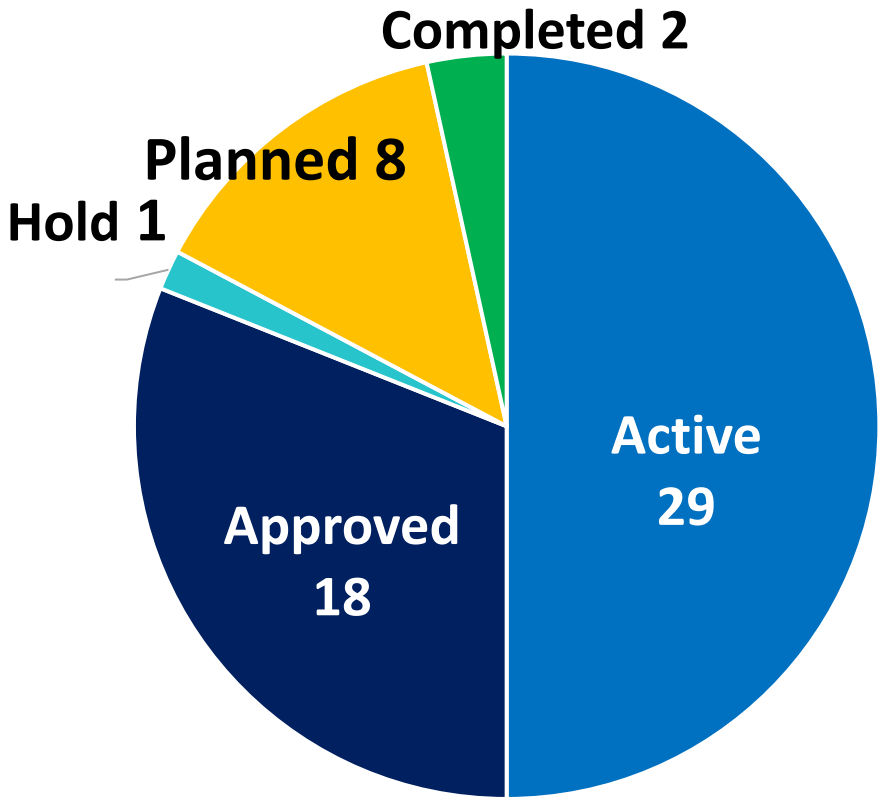
Next Report Published

February 2025

KITO Project Dashboard - <https://ebit.ks.gov/kito/project-dashboard>

Quarterly Report - <https://ebit.ks.gov/kito/it-project-oversight/it-project-reporting/it-project-reports>

2024 Q2 KITO Projects at a Glance



Total: 58

New Reportable Demands

KDHE – EpiTrax Genomics

Business Risk Score = 1.85

Estimated Cost = \$1,327,200

KDHE EpiTrax Genomics



Project Description: EpiTrax needs an automated genomic analysis tool.



Project Duration: 1/13/25-5/29/26



Project Cost: \$1,327,200

Implementation Funding: Federal Electronic Lab Capacity (ELC) Funding

Ongoing Funding: Federal ELC Funding



Scope: KDHE will contract with a vendor to create an integrated system for mapping the DNA sequences of disease-causing microbes. This data will be integrated with the state disease surveillance system to enhance public health response efforts.



Risk Discussion: Not completing this project may lead to the loss of federal ELC funding, hindering the state's ability to enhance public health response times and efficiency.

Demands under KITO Threshold

DCF – Nat'l Youth in Transition Database (NYTD) Federal Review
Business Risk Score = 1.62
Estimated Cost = \$20,000

KBI – Sexual Assault Kit Tracking System
Business Risk Score = 1.62
Estimated Cost: \$300,000

DCF NYTD Federal Review



The NYTD federal review is to occur in Nov 2024. This requires Kansas to demonstrate its ability to accurately collect, manage, and submit data on youth transitioning out of foster care.



Project Duration – 9/11/24 – 12/31/2024



Project Cost - \$20,000
Project Funding – State General Funding



In-Scope: Extraction, validation, and accuracy of the 58 data elements



Risk Discussion: Kansas fails to accurately submit data to the federal government.

KBI Sexual Assault Kit Tracking System



Sexual Assault Kits are submitted to 3 Kansas Labs, including KBI. They must be stored as evidence for a period of 20 years. An updated tracking system is needed.



Project Duration – 10/1/24-12/15/25



Project Cost – 300,000
Project Funding – State General Funding
On-going Funding – State General Funding



In-Scope: All database software, user interfaces, existing data migration, specified workflows, lab report templates, statistical analysis reports, user training and go-live support.



Risk Discussion

Active Projects by Branch



25

Executive
Branch
Projects



3

Regents
Institution
Projects



1

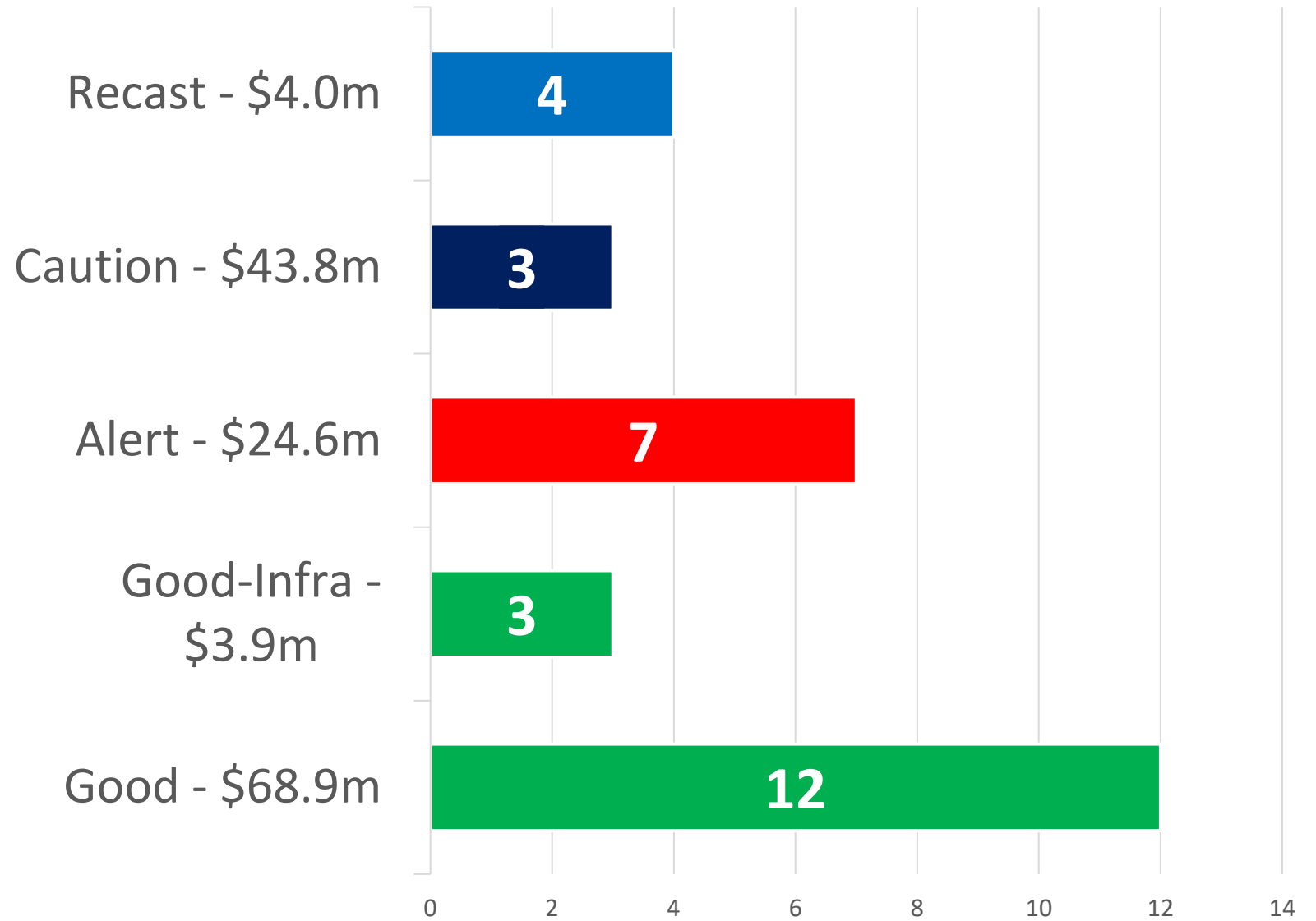
Legislative
Branch
Projects



0

Judicial
Branch
Projects

Active Project Status



29 Total Active Projects

\$177.0m Total

New Active Projects

No new Active Projects for this quarter.

Active Projects in Alert Status

**Administration – Capitol Complex
Security – Infrastructure (Page 7)**

\$1,654,452

**DCF Child Support Svcs
Re-Platforming
(Page 11)**

\$11,681,182

**KDADS Hospital/EHR/SUD (KSURS)
(Page 9)**

\$2,503,284

**KDHE Early Childhood Data
Integration and System
Enhancements (Page 18)**

\$5,000,002

**KSSC Electronic Journal Entry
(Page 33)**

\$277,932

**KDWP SmartCop Record
Management System
(Page 47)**

\$576,896

DofA: Capitol Complex Security - Infrastructure

Project Description and Justification



The current Capitol Complex facilities are equipped with multiple analog and IP video surveillance cameras that are managed by a hybrid video management system.

These facilities also utilize a legacy software access control system for door security.



Planned & Actual Project Duration

January 2023 to January 2024



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$1,654,452

Actual Cost: \$1,844,015 (Federal ARPA)



Project Scope:

Upgrade and replace all surveillance and card access control system components and infrastructure for Capitol Complex buildings and grounds

DofA: Capitol Complex Security - Infrastructure



Vendor and product selected

American Digital Security (ADS), Avigilon Security

Alert Status Causes and Recovery Strategy (RIDAC – Risks / Issues / Decisions / Actions / Change)

Issue 1: Supply chain issues.

Action: Pushed back project dates and pivoted to tasks that didn't require hardware.



Issue 2: Integration of current system data with new system.

Action: Manually entered data of all security groups and door users, adding months to the project.

Issue 3: Blackout dates

Action: Put Statehouse work on hold so to not disrupt Legislative Session



Variance in Duration

As of July 1, 2024, all buildings within the project scope have been upgraded, except for the Statehouse, which is scheduled for completion by December 2024.

DCF Child Support Services Re- Platforming



Project Description and Justification

Implement a solution to mitigate risks in the mainframe-based Child Support Services System, while setting the foundation for future modernization efforts.



Planned & Actual Project Duration

Planned Duration: 28 months

Actual Duration: 44 months



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$11.7 million

Actual Cost: \$12.7 million

Funding Source: Federal/State Funding 50/50



Project Scope

Major Tasks: Transition the Child Support Services System from the mainframe to a Microsoft-based architecture, converting the code to .NET/SQL Server



Vendor and Product Selected

Conduent



Alert Status Causes and Recovery Strategy (RIDAC – Risks/Issues/Decisions/Actions/Change)

Issue 1: The issue with data de-identification has been resolved.



Variations in Duration and/or Cost

+13 months | Cause: Federal data deidentification mandate

+\$1M | Cause: Data Conversion Complexity

KDADS Hospital EHR/SUD Implementation



Project Description and Justification

Modernize State Hospitals' EHR and SUD with a cloud-based system.



Planned & Actual Project Duration

Planned Duration: 12 months

Actual Duration: 15 months (Project End: Jan. 2025)



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$2.5 million

Actual Cost: \$5.5 million

Funding Source: State Funding



Project Scope

Major Tasks: SUD (Substance Use Disorder) | Live October 2023 (Complete)

EHR (Electronic Health Records) | Live August 2024, September 2024, October 2024, January 2025

(PSH)

(KNI)

(OSH)

(LSH)



Vendor and Product Selected

WellSky Specialty

WellSky Human Services



Alert Status Causes and Recovery Strategy (RIDAC – Risks/Issues/Decisions/Actions/Change)

Issue 1: Network Evaluation and Remediation (complete)

Action: Project will be re-cast now that this major dependency has resolved.



Variances in Duration and/or Cost

+12 months | Cause: Infrastructure Improvements

+\$3M | Cause: Infrastructure and Licensing Fees

KDHE Early Childhood Data Integration and System Enhancements



Project Description and Justification

Replace Child Care Licensing and Regulation Information System (CLARIS).



Planned & Actual Project Duration

Planned Duration: 9/11/23 – 6/23/26

Actual Duration: 9/11/23 – 6/23/26



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$5,000,002

Actual Cost: \$4,914,226.02

Funding Source: Federal Funding



Project Scope

Project deliverables include implementation, services, hardware and materials.



Vendor and Product Selected

GL Solutions

GL Suite



Alert Status Causes and Recovery Strategy (RIDAC – Risks/Issues/Decisions/Actions/Change)

Issue 1: Resource overallocation

Action: Schedule Recast



Variances in Duration and/or Cost

KSSC Electronic Journal Entry



Project Description and Justification

Implement a cloud-based electronic journal entry system for storage of statewide felony sentencing and probation revocation data. Initiative recently renamed Kansas Sentencing App (KSApp).



Planned & Actual Project Duration

Planned Duration: 9/30/22 – 9/30/24

Actual End Date: 12/31/24



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$277,932

Actual Cost: \$383,244

Funding Source: Federal Funding 72% and State Funding 18%



Project Scope

Develop three digital sentencing forms for use with every felony sentencing, integrated with judicial branch's eFile system and maintain databases on backend for research and agency stakeholder reporting.



Vendor and Product Selected

Domo, Inc. (vendor) – exclusive custom application



Alert Status Causes and Recovery Strategy (RIDAC – Risks/Issues/Decisions/Actions/Change)

Issue 1: UAT closing extended

Action: Two items are outstanding before closing UAT. 1. Testing one remaining requirement; and 2. Confirmation of a vendor requirement with OJA application integration via IT meeting with OJA vendor.



Variances in Duration and/or Cost

Custom application taking longer to develop. In-house resources are limited for testing of app. Feedback used from four pilot studies informed 15 change requests, which increased project costs. Product soft launched statewide on October 1, 2024, but UAT testing is scheduled to complete in December 2024.

KDWP SmartCop Record Management System



Project Description and Justification

Replace current, aging system with SmartRMS that streamlines records and reporting processes to provide complete accuracy and compliance with state and federal reporting standards.



Planned & Actual Project Duration

Planned Duration: 12/2/22 – 11/2/23

Actual Duration: 12/2/22 – 03/31/25

Partial Go-live: August 18, 2024



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$576,896

Current Cost: \$335,031

Funding: 50% Federal Coast Guard Grant; 50% split by Wildlife Fee Fund and Park Fee Fund



Project Scope

Records, accidents, and ticketing functions



Vendor and Product Selected

SmartCOP INC, SmartCOP



Alert Status Causes and Recovery Strategy (RIDAC – Risks/Issues/Decisions/Actions/Change)

Issue 1: KDWP network infrastructure changes needed for connections to other agencies.

Action: KDWP IT staff worked with OITS to make network architecture and infrastructure changes.

Issue 2: Different seasons for high demand causing scheduling issues.

Action: Training dates were scheduled for May 6 – May 21 at four locations across the state



Variations in Duration and/or Cost

Timeline delay from May to March 2025. No change in cost.

Active Project Recast

OITS Enterprise Licensing Platform (ELP)
(Page 12)

\$3,622,500

OITS Enterprise Licensing Platform



Project Description and Justification

Project will provide an Enterprise Licensing Platform for multiple state agencies.



Planned & Actual Project Duration

Planned: 6/27/22 – 2/27/26

Actual: 6/27/22 – 12/17/27



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$3,622,250

Actual Cost: \$157,838



Project Scope

Project will include onboarding of five state agencies.



Vendor

Accela



Alert Status

Issue: Project is over planned schedule

Action: Recast submitted.



Variances in Duration

Project is over the planned schedule due to the addition of six additional agencies to the onboarding schedule. The recast request has been submitted for CITO approval.

Active Projects in Caution Status

KDOR – ABC Project (Page 7)

\$1,620,018

KDOR Alcoholic Beverage Control



Project Description and Justification

Modernization and upgrade of the Alcoholic Beverage divisions primary system allowing for registration and control of retailers and distributors.



Planned & Actual Project Duration

Planned Duration: 1/18/22 – 8/26/24

Actual Duration: 1/18/22 – 2/17/25



Planned & Actual Project Cost and Funding Sources

Planned Cost: \$1,620,018

Current Cost: \$1,635,136

Project Funding: State General Funding / Ongoing Funding: State General Funding



Project Scope

Project will upgrade the existing Internal and External presentations of the POSSE ABC application.



Vendor and Product Selected

Computronix



Caution Status Causes and Recovery Strategy (RIDAC – Risks/Issues/Decisions/Actions/Change)

Issue 1: Data conversion effort was underestimated and has led to delays.

Action: Added additional testing and retesting cycles due to the process complexity.



Variances in Duration is estimated to be ~6 months from original timeline.

Questions



**2024
3-Year IT
Plan**

**Executive Branch
3-Year IT Plan Update**

2024

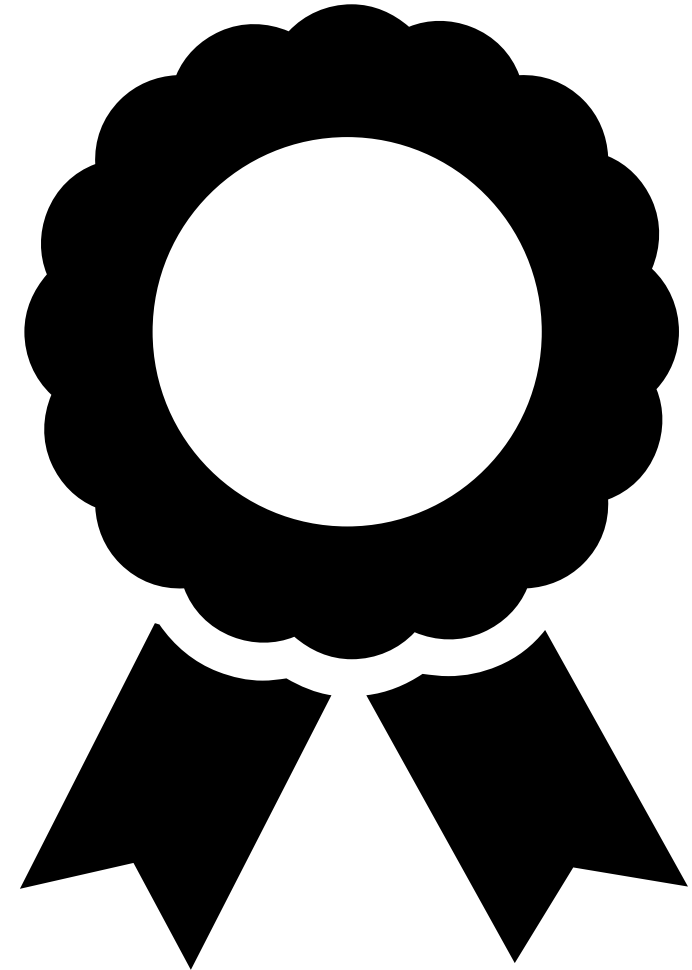


Office of Information Technology Services

Submitted by Jeff Maxon
Executive Branch CITO
November 1, 2024

2023 and 2024 Success Stories

- DofA: Developed and launched a unified licensing verification portal in accordance with Senate Bill 66.
- KDWP: Implemented the first phase of its CJIS record management project, including electronic tickets, warnings, and boating accidents.
- KSSC: Executive Director recognized with the 2024 Ovation Award for Most Innovative Business App.
- KSNB: 2023 Regularity Achievement Award from National Council
- FHSU: Implemented a new financial aid module and a managed detection and response system.
- KSU: Implemented a streamlined ERP graduation application process.
- OITS: Completed the website migration project of 26 websites, moving them to a new vendor partner.
- All: Over one year into utilizing new project reporting methodology



Goals

**Operational
Excellence**

Creatively execute
on business
strategy effectively
and efficiently

**IT Risk
Management**

The confidentiality,
integrity, and
availability of state
resources

**Technology
Modernization**

A low-risk, cost-
effective path
toward
modernizing IT
systems

**IT Service
Driven**

Adopting a process
approach towards
service
management

Objectives

- Continuous Improvement of Customer Experience
- Digitization or Process Improvement
- IT Skill Enhancement

- Statutory of Regulatory or Policy Compliance
- Quality Assurance or Audit
- Cybersecurity

- Infrastructure Modernization
- Application Modernization

- Promotion of Agency Services

Office of Information Technology Services

IT Strategic Action	Objective	Risk and Dependencies	KPI and Metrics	3-Year Strategic Roadmap		
				2024	2025	2026
Configuration Management Database/ Hardware Asset Management Solution	Continuous Improvement of Customer Experience, Digitization or Process Improvement	Implementation, Staff & Agency Engagement	Process improvement and efficiency, User Satisfaction, Reporting and Analytics	■		
Disaster Recovery and Business Continuity	Cybersecurity, Statutory or Regulatory or Policy Compliance	Agency Adoption & Engagement, Implementation, Agency Availability	Communication Effectiveness, Resource Allocation Efficiency, Critical Process Identification	■		
End Point Detection and Response	Application Modernization, Cybersecurity	Agency Adoption & Engagement	Agency adoption, Deployment Rate, Threat Detection Rate	■		
Enterprise Asset Management Solution	Continuous Improvement of Customer Experience, Digitization or Process Improvement	Staff & Agency Engagement	Process improvement and efficiency, User Satisfaction, Reporting and Analytics		■	

Highlights

- All Executive Branch and Regents Universities
- 486 Items/Actions identified
- Collaborated with Judicial and Legislative CITO's to align our 3-Year IT Plan reporting standards and formatting.
- Website modernization and updates
- Disaster Recovery and Continuity of Operations Planning
- Automation
- IT Staff Development

Top Objectives



32% Continuous Improvement of Customer Experience



31% Application Modernization



30% Infrastructure Modernization



21% Cybersecurity

Questions



Artificial Intelligence

- New Generative AI Policy in Draft Status
 - Creates an AI Inventory and assessment process of all current Gen AI use cases, including those under consideration.
 - Requires agencies to clearly identify or notify citizens when interacting with AI.
 - Requires agencies to note when content is generated by AI.
 - Establishes clear procurement guidelines.
- Use Case Examples
 - Call center agent to take in information
 - Productivity AI

Questions



House Sub. For SB 291 Efforts



Information Technology Executive Council (ITEC)

- **Meeting**
 - Met November 12
 - NASCIO Presentation on other state models
- **Task Order**
 - Task Order recently released to help ITEC formulate a plan to integrate executive branch IT under OITS.
- **Policies**
 - 8 new policies enacted
- **NIST Cybersecurity Framework (CSF)**
 - NIST CSF Training for IT Staff
 - NIST CSF baseline assessment for cabinet agencies

Questions



Datacenter as a Service Currently Unisys

- Contract started 7/1/2018
- Expires 10/31/2025
- Server hosting and management
 - Performance Monitoring
 - System Backup and Restoration
 - Security Monitoring and Response
 - Operating System Maintenance
- All hardware dedicated to State of Kansas
- Agencies are isolated into security zones
- Primary datacenter in Kansas and secondary in Minnesota
- 11 Agencies leveraging
 - Multiple non cabinet agencies through OITS
- Open statewide and to political subdivisions

Next Datacenter as a Service

- New Contract will start 10/31/2025
- Vendor still to be determined
- Server hosting and management
 - Performance Monitoring
 - System Backup and Restoration
 - Security Monitoring and Response
 - Operating System Maintenance
- Cloud readiness assessments and migrations
- Primary datacenter will be in Kansas
- All hardware dedicated to State of Kansas
- Agencies are isolated into security zones
- Will be open statewide and to political subdivisions

Cybersecurity Operations Staffing

- Security Engineering
 - 3 Engineers, 1 Vacancy, 1 Pending Start Date
- Security Analyst
 - 1 Supervisor, 3 Analysts
- Security Operations Center
 - 12 Vacancies
- Information Security Officers
 - 12 ISOs, 1 Vacancy
- Cyber Collaboration and Preparedness
 - 4 Employees, 2 Interns
- Identity & Access Management (IAM)
 - 1 Vacancy
- Cybersecurity Interns
 - 3 Interns

Cybersecurity Staffing (State vs Outsourcing)

- State
 - Mixed Approach
 - Maximize investment in existing tools
 - Coverage of our complex environment
 - Dedicated team who can respond that has knowledge of internal systems, networks, and more.
 - Have a robust intern program that has been used to fill open cybersecurity positions in KISO.
- Outsourced
 - Higher costs due to hidden and customization costs
 - Talent: Can't build talent pipeline and partner with universities
 - Limited Support: Vendors only cover or provide support for a limited set of the cybersecurity tools we use. Need to augment with internal staff for the tools the outsourced vendors don't support.
 - One of many clients supported by the outsourced vendor. Response times, urgency of response, and SLAs might not align with State expectations.

Questions

