

Report of the Joint Committee on Information Technology to the 2016 Kansas Legislature

CHAIRPERSON: Representative Brett Hildabrand

VICE-CHAIRPERSON: Senator Mike Petersen

OTHER MEMBERS: Senators Marci Francisco, Tom Holland, Garrett Love, and Jeff Melcher; and Representatives J. R. Claeys, Keith Esau, Brandon Whipple, and John Wilson

CHARGE

- Study computers, telecommunications, and other information technologies used by state agencies and institutions;
- Review proposed new acquisitions, including implementation plans, project budget estimates, and three-year strategic information technology plans of State agencies and institutions;
- Monitor newly implemented technologies of State agencies and institutions;
- Make recommendations to the Senate Committee on Ways and Means and House Committee on Appropriations on implementation plans, budget estimates, and three-year plans of state agencies and institutions;
- Report to the Legislative Coordinating Council (LCC) and make special reports to other legislative committees as deemed appropriate; and
- Review, evaluate, and submit to the LCC a report regarding the Propylon contract; and
- Information technology security at Kansas government agencies, including findings from LPA reports and agency responses.

Joint Committee on Information Technology

ANNUAL REPORT

Conclusions and Recommendations

In review of agency projects, the Committee noted the reoccurring prevalence of technology disparities as well as many small free-standing information technology (IT) structures continually being created within individual agencies that could all significantly benefit from the formalized structure and environment of a centralized system. The Committee noted a centralized system would have considerable strengths in system security and management, software updates and maintenance, cost savings and control, expertise sharing and sustainability, and overall effectiveness of statewide IT efforts.

The Committee recommends consideration of a centralized statewide information technology policy, infrastructure, provision, and progression efforts. The Committee recommends the branch Chief Information Technology Officers, in collaboration with agencies and others with IT expertise, work to define and, with the Legislature's assistance, refine an action plan to provide and further efforts towards a centralized IT structure to be presented to the Legislature. Areas of consideration discussed by the Committee included the following:

- **Policy:** The Committee recommends statewide Wi-Fi security and mobile device standards be created. This standard should include an architecture and security structure with policies created for mobile devices, encryption, and state email and cloud-based services.
- **Infrastructure:** The Committee recommends a project management function be prioritized to focus on infrastructure and asset centralization. This function should work to leverage current and future acquisition and maintenance of IT through the development and implementation of strategies in the areas of licenses, programs, equipment, systems, and services provisions.
- **Active Evaluation:** The Committee recommends all projects include some form of basic metrics by which the project can be evaluated for successes; refinements, revisions, or both; or other forms of resolution.

Proposed Legislation: None.

BACKGROUND

The Joint Committee has statutory duties assigned by its authorizing legislation in KSA 46-

2101 *et seq.* The Joint Committee may set its own agenda, meet on call of its chairperson at any time and any place within the state, and introduce legislation. The Joint Committee consists of ten members, including five senators and five

representatives. The Joint Committee met during the 2015 Interim as authorized by the Legislative Coordinating Council (LCC) (2 interim days). The Committee met February 18, May 14, May 19, November 23 (interim), and November 24 (interim).

The duties assigned by its authorizing legislation in KSA 46-2102 and by KSA 2015 Supp. 75-7201 *et seq.* are as follows:

- Study computers, telecommunications, and other information technologies used by State agencies and institutions. The state governmental entities defined by KSA 2015 Supp. 75-7201 include executive, judicial, and legislative agencies and Regents institutions.
- Review proposed new acquisitions, including implementation plans, project budget estimates, and three-year strategic information technology plans of state agencies and institutions. All state governmental entities are required to comply with provisions of KSA 2015 Supp. 75-7209 *et seq.* in submitting such information for review by the Joint Committee.
- Monitor newly implemented technologies of State agencies and institutions.
- Make recommendations to the Senate Ways and Means and House Appropriations Committees on implementation plans, budget estimates, and three-year plans of state agencies and institutions.
- Report annually to the LCC and make special reports to other legislative committees as deemed appropriate.

In addition to the Joint Committee's statutory duties, the Legislature or its committees, including the LCC, may direct the Joint Committee to undertake special studies and to perform other specific duties. Additional items of study assigned to the Committee included the following items:

- Review, evaluate, and submit to the LCC a report regarding the Propylon contract; and
- Information technology security at Kansas government agencies, including findings from Legislative Division of Post Audit (LPA) reports and agency responses.

KSA 2015 Supp. 75-7210 requires the Legislative, Executive, and Judicial Chief Information Technology Officers (CITOs) to submit annually to the Joint Committee all information technology project budget estimates and revisions, all three-year plans, and all deviations from the state information technology architecture. The Legislative CITO is directed to review the estimates and revisions and the three-year plans and the deviations, then to make recommendations to the Joint Committee regarding the merits of and appropriations for the projects. In addition, the Executive and Judicial CITOs are required to report to the Legislative CITO the progress regarding implementation of projects and proposed expenditures, including revisions to such proposed expenditures.

COMMITTEE ACTIVITIES

At the February 18 meeting, the Joint Committee was briefed on legislation proposed in the 2015 Session, SB 7 and HB 2010, by the Legislative Post Audit Committee, which would require LPA to conduct information technology (IT) audits of State agencies. LPA also presented an overview of the IT security audits that the office has been doing on an *ad hoc* basis since 2000.

At the May 14 meeting, LPA staff gave the Joint Committee a status update on the IT security audit being conducted by the office.

At the May 19 meeting, the Acting Executive CITO presented the most recent agency quarterly project reports and cited several initiatives that aim to increase efficiencies in executive branch agencies. Two representatives of the Legislative Office of Information Services provided the Joint Committee with project updates and initiatives considered by the office. The Judicial CITO

outlined current and future initiatives, including the statewide implementation of an electronic-based court filing system.

During the Interim, the Joint Committee met on November 23 to hear updates from all three branch CITO's. The Judicial CITO told the Committee that e-filing should be available in all Kansas counties by spring 2016 and the Judicial Branch hoped to have a request for proposal for a centralized case management system by next year. The Legislative CITO presented the Committee with a list of 15 in-progress or upcoming projects. The Executive CITO also presented an update on current executive IT projects, including the Executive Branch Technology Modernization project. The manager of the Office 365 project also provided an update of that project roll-out.

The Joint Committee met again on November 24. The Executive Director of the Kansas Eligibility and Enforcement System (KEES) project presented an update of that endeavor. Furthermore, two representatives from the Kansas Department for Aging and Disability Services presented information on the Kansas Aging Management Information System.

Also at the November 24 meeting, the Committee entered into a closed executive session in order to confer with an agency representative from the Kansas Department of Wildlife, Parks and Tourism regarding the progress of a project, then reentered an executive session in order to receive an update from LPA staff regarding security audits conducted and in progress. Upon resumption of the regular public meeting, no further discussion or action on these items took place.

Interim Review Summary

During the 2015 Interim, as part of the Joint Committee's review of both active and proposed IT projects, the Executive CITO presented quarterly reports at the November meetings. Reports are available online at:

<http://oits.ks.gov/kito/epmo/summary-of-information-technology-project-status-reports>

As of the quarterly report published on September 2015, there were 22 active projects totaling \$101,707,890. The following information was prepared by the Enterprise Project Management Office of the Kansas Office of Information Technology Services and published in November 2015.

Projects are listed in the following format:

AGENCY

Project Name

Project Cost; Est. 3 Future Years of Operational Cost

All new Approved, Recast, Completed and Planned projects for this reporting period are in **BOLD**.

New Active projects for the quarter and projects that are in a Caution, Alert, or Recast status for the quarter will be noted in **BOLD** and **ALL CAPS**.

"Project Cost" means planning, execution and closeout dollars of a project.

"Est. 3 Future Yrs of Operational Cost" means three future years of operational, maintenance, and ongoing costs after the project is completed.

ADMINISTRATION, DEPARTMENT OF

FOCUS ON CUSTOMER UPGRADE SUPPORT (FOCUS) PROJECT \$4,257,952; \$5,338,974

Oracle BI Analytics Implementation – Data Warehouse Upgrade II \$2,063,061; \$692,679

CHILDREN AND FAMILIES, DEPARTMENT FOR (DCF)

Child Support Services System Modernization Planning Project \$972,480; \$0

HB 2015 Project \$2,467,454; \$16,578

DCF Cloud Computing (DCC) To Be Determined;
To Be Determined

DCF Enterprise Content Management Assessment
(DECMA) To Be Determined; To Be Determined

DCF Mainframe Application Migration (DMAM)
To Be Determined; To Be Determined

DCF Office 365 Implementation (DOI); To Be
Determined; To Be Determined

CORPORATION COMMISSION, KANSAS

Kansas Trucking Regulatory Assistance Network
(KTRAN) \$990,115; \$90,000

Document Management System To Be
Determined; To Be Determined

CORRECTIONS, DEPARTMENT OF

Kansas Juvenile and Adult Correction System
(KJACS) \$17,000,000 - \$22,000,000; \$3,000,000

EDUCATION, KANSAS STATE DEPARTMENT OF

KN-CLAIM System Replacement \$1,381,163;
\$203,747

HEALING ARTS, KANSAS STATE BOARD OF

Licensing/Enforcement Database Application
\$343,359; \$120,000

HEALTH AND ENVIRONMENT, KANSAS DEPARTMENT OF

**KANSAS ELIGIBILITY ENFORCEMENT
SYSTEM IV (KEES IV) PROJECT**
\$25,077,223; \$33,535,610

**MEDICAID INFORMATION TECHNOLOGY
ARCHITECTURE (MITA) / MEDICAID
MANAGEMENT INFORMATION SYSTEM
(MMIS) PRE-PROJECT III \$668,478; \$0**

KDHE/DHCF SSIF Claims Data Management
System Project \$673,757; \$341,990

WIC SQL Server Project – Infrastructure
\$300,917; \$0

KDHE/DHCF MMIS Modernization and Fiscal
Agent Operations Takeover Services
Reprocurement Project \$96,593,543; \$0

HIGHWAY PATROL, KANSAS

Digital Video Refresh – Infrastructure \$2,230,756;
\$66,000

INFORMATION TECHNOLOGY SERVICES, KANSAS OFFICE OF (OITS)

OITS Executive Branch Electronic Mail
Consolidation \$9,747,325; \$300,000

**OITS INFORMATION TECHNOLOGY
FINANCIAL MANAGEMENT (ITFM)
SYSTEM II \$1,002,826; \$0**

**OITS INTERNET UPGRADE FY 2015 –
INFRASTRUCTURE \$2,361,834; \$0**

State Defense Building Fiber Infrastructure
\$1,299,879; \$0

Executive Branch Technology Modernization
(EBTM) – Infrastructure \$24,435,156; \$8,299,696

INVESTIGATION, KANSAS BUREAU OF

**KS DUI TRACKING SYSTEM (RECORD &
POLICE IMPAIRED DRIVERS–RAPID) III**
\$2,252,043; \$454,500

Security Architecture Modernization – Identity
Access Mgmt. (SAM-IAM) \$533,840; \$90,000

Kansas Incident Based Reporting Replacement
\$625,000; \$225,000

Livescan Equipment Purchase \$304,690 ; \$0

JUVENILE JUSTICE AUTHORITY

**JUVENILE JUSTICE INFORMATION
SYSTEM (JJIS) REWRITE II \$622,460;
\$246,584**

**KANSAS CRIMINAL JUSTICE
INFORMATION SYSTEM**

**KANSAS ECITATION PROJECT II \$480,140;
\$30,000**

LABOR, KANSAS DEPARTMENT OF

KDOL Unemployment Insurance Contact Center
IVR Upgrade – Infrastructure \$2,925,612;
\$420,000

**KDOL Worker’s Compensation Digitization
Planning Project \$583,620; \$0**

KDOL Workers Compensation Digitization
Implementation \$8,000,000 - \$12,000,000; To Be
Determined

LOTTERY, KANSAS

**Sales Force Automation and Electronic Device
Deployment \$588,152; \$678,385**

2012 Sub HB 2333 – Tier 3 Cash Balance System
\$803,800; \$0

REVENUE, KANSAS DEPARTMENT OF

DMV Modernization \$40,326,159; \$1,999,832

KanDrive– Insufficient Reporting

Taxation Imaging \$625,257; \$146,085

Kansas Commercial Registration, Alcoholic
Beverage Control, Fuel Tax System (K-CRAFTS)
\$3,346,040; \$780,000

CDL Knowledge and Skill Testing System
\$429,094; \$0

**County Scanner and Signature Pad
Refreshment – Infrastructure \$406,740;
\$62,136**

SECRETARY OF STATE, KANSAS

Elections and Voter Information System Renewal
Renewal (ELVIS) \$693,220; \$1,950,000

**TRANSPORTATION, KANSAS
DEPARTMENT OF**

**DOCUMENT MANAGEMENT SYSTEM
REPLACEMENT \$1,300,385 ; \$538,000**

Capital Inventory Management System (CPIN)
Replacement \$300,000 - \$600,000; To Be
Determined

**Construction Management System (CMS)
Replacement – Planning Effort \$553,418; To Be
Determined**

Consumable Inventory Management System
(CIMS) \$300,000 - \$450,000; To Be Determined

Equipment Management System (EMS) \$600,000
- \$1,200,000; To Be Determined

FORT HAYS STATE UNIVERSITY

FHSU ERP Implementation \$14,235,335;
\$3,564,420

KANSAS, UNIVERSITY OF

Exchange 2013 To Be Determined; To Be
Determined

Lync Enterprise Voice Implementation (Lync UC)
To Be Determined; To Be Determined

KANSAS STATE UNIVERSITY

**KSU CONVERGED INFRASTRUCTURE
\$5,140,135; \$78,750**

PITTSBURG STATE UNIVERSITY

**PSU Oracle Cloud Implementation \$2,564,563;
\$664,957**

PSU Integrated Library System Project (ILS)
\$512,072; \$211,500

JUDICIAL BRANCH

Active Judicial Branch (OJA) Electronic Filing
Statewide Implementation Project \$315,867;
\$152,049

Judicial Branch (OJA) Filings and Dispositions
Data Submission Interface Project \$595,000; \$0

LEGISLATIVE BRANCH

2013 PC Lease Project-Infrastructure \$469,740;
\$573,105

CONCLUSIONS AND RECOMMENDATIONS

No legislation was recommended for introduction. The members reached consensus on the following items to be included in the report:

In review of agency projects, the Committee noted the reoccurring prevalence of technology disparities as well as many small free-standing IT structures continually being created within individual agencies that could all significantly benefit from the formalized structure and environment of a centralized system. The Committee noted that a centralized system would have considerable strengths in system security and management, updates and maintenance, cost savings and control, expertise sharing and sustainability, and overall effectiveness of statewide information technology efforts.

The Committee recognizes efforts and successes in moving toward a more centralized and organized IT structure within the state. The Committee noted the State already has a significant presence in the cloud environment for such products as Microsoft Office 365, but could potentially harness even more economies of scale and more of the benefits which additional integration into a cloud-structured environment could potentially afford. This type of environment has the potential to significantly reduce capital expenditures, and the Committee recognizes that, while there could be some initial migration costs associated, the ongoing cost could potentially be minimized in the form of monthly recurring payment. The Committee heard reports regarding the OITS and noted a similarity to efforts that were started with the Division of Information Systems and Communications, which are now largely provided and continued by OITS. The Committee emphasizes the need for professionally managed oversight of information technology efforts and, in consideration of its importance, the

Committee suggests consideration be given to utilization of the services a professional recruiting organization could provide in order to help manage personnel needs and, in collaboration, to structure and form such an oversight team.

The Committee recommends activities to centralize statewide IT policy, infrastructure, provision, and progression efforts. The Committee recommends the branch CITO's, in collaboration with agencies and others with IT expertise, work to define and, with the Legislature's assistance, refine an action plan to provide and further efforts towards a centralized IT structure to be presented to the Legislature. Significant emphasis was placed by the Committee upon thorough consideration and utilization of an end-point structure analysis within each area involved. The Committee requests a preliminary plan including a timeline and initial recommendations be brought before the Committee for consideration towards the beginning of the 2016 Legislature to begin this conversation with continuing review and development. As part of this review, the Committee would like to evaluate the findings of the efficiency study, which may provide additional considerations in regards to centralization efforts, further noting the possibility of the Committee assisting with the introduction of legislation as the need arises. Areas of consideration discussed by the Committee included the following:

- **Policy:** The Committee recommends statewide Wi-Fi security and mobile device standards be created. This standard should include an architecture and security structure with policies created for mobile devices, encryption, and state email and cloud-based services.
- **Infrastructure:** The Committee recommends a project management function be prioritized to focus on infrastructure and asset centralization. This function should work to leverage current and future acquisition and maintenance of IT through the development and implementation of strategies in the areas of licenses, programs, equipment, systems, and services provisions.

- **Active Evaluation:** The Committee recommends all projects include some form of basic metrics by which the project

can be evaluated for successes; refinements, revisions, or both; or other forms of resolution.