MINUTES OF THE HOUSE GOVERNMENT EFFICIENCY AND TECHNOLOGY COMMITTEE

The meeting was called to order by Chairman Jim Morrison at 3:32 P.M. on January 18, 2007,, in Room 526-S of the Capitol.

All members were present.

Committee staff present:
>Mary Galligan, Kansas Legislative Research
>Tatiana Lin, Kansas Legislative Research
>Renae Jefferies, Office of Revisor of Statutes
>Gary Deeter, Committee Assistant

Conferees appearing before the committee:
>Denise Moore, Director, Division of Information Systems and Communications

Others attending:
>Nelson Krueger, invited guest

The Chair referenced Attachment 1, a proposal by Fort Hays State University to implement an Information Assurance program through its Information Networking and Telecommunications Department, a proposal with an estimated cost of $532,536.40. Members were encouraged to read the proposal and be prepared to question the principals of the proposal at the Committee meeting on Wednesday, January 24.

Members reconvened at the Landon State Office Building, Room 753-S, for a presentation by Denise Moore, Director of DISC (Division of Information Systems and Communications).

Ms. Moore reviewed the functions of DISC, explaining the operation of the seven bureaus and outlining a number of DISC initiatives (Attachment 2). She noted the effect of 1998's **SB 5**, which created a Chief Information Technology Officer (CITO) for each branch of Kansas government as well as a Kansas Information Technology Office (KITO) at DISC. She provided Attachment 3 to illustrate the agency project plan approval process.

Ms. Moore commented on the involvement of the Kansas Board of Regents in statewide Information Technology (IT) activities, noting the Board's participation in IT governance: ITEC (Information Technology Executive Council), ITAB (IT Advisory Board), GIS Data Access and Support Center (Geographical Information Systems), and KTARB (Kansas Technical Architecture Review Board); Regents also cooperate in strategic sourcing, the KAN-Ed Network, IT Security, and project management (Attachment 4). Conversely, she said, the Executive Branch is involved in several Regents activities. Answering questions, Ms. Moore said KITO monitors Regents projects as well as those at the University of Kansas Medical Center. She replied that DISC has one mainframe and that some of the Regents institutions have mainframes. She said she would provide a list of the state's mainframes and servers (see later attachment). She responded that all state agencies are on the fiber-optic backbone, some through Kansas Department of Transportation's fiber, and some through agreements with cable networks for local connectivity. Responding to another question,

Unless specifically noted, the individual remarks recorded herein have not been transcribed verbatim. Individual remarks as reported herein have not been submitted to the individuals appearing before the committee for editing or corrections.

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MINUTES OF THE House Government Efficiency and Technology Committee at 3:32 P.M. on January 18, 2007, in Room 526-S of the Capitol.

she said the Regents' payroll system could possibility be integrated with the state's financial management system and that a feasibility study is being completed by the Kansas Department of Administration regarding a new statewide financial management system. She responded to a follow-up question, acknowledging that the Regents could also create a single unified payroll system rather than the present system of separate payroll systems for each university. She distributed Attachment 5 to illustrate the Regents' use of SHARP (Statewide Human Resources and Reporting and Payroll); she added further documentation with a letter to the Joint Committee on Information Technology regarding integrating the Regents various payroll systems with SHARP (Attachment 6).

Members posed several questions regarding the integration of Regents IT with other state agency IT systems. Ms. Moore said DISC provides the SHARP interface for the Regents, but that Regents institutions have separate financial management systems, student systems, and alumni systems. She replied to a question that the Strategic Information Management Plan addresses future IT business architecture, a plan which has input from ITEC, the CITOs, and the Regents. She acknowledged that presently many agencies have separate IT platforms which cannot communicate with other agency platforms, a significant problem which she described as "lots of data and no information." She replied to another question that because the Regents have block-grant funding, they tend to be more independent than other state agencies.

Ms. Moore later supplied Attachment 7 to document the number of data-center servers.

The meeting was adjourned at 4:50 p.m. The next meeting is scheduled for Monday, January 22, 2007, in Room 526-S.

<center>**Fort Hays State University**</center>

1) Legislative Proposal: Information Assurance

Fort Hays State University will address critical Kansas needs and carry out its Board of Regents mandated mission of "the integration of computer and telecommunications with the educational environment and the work place," by initiating a new emphasis in the Bachelors of Arts and the Bachelors of Science in Information Networking and Telecommunications and expanding its Information Assurance concentration in the Masters of Liberal Studies to provide both face-to-face and distance education.

2) Issue Background

Need

Kansas businesses, governmental units, hospitals, law enforcement agencies, public safety agencies, the state's growing military sector, the biosciences, and even consumers are highly dependent upon secure digital networks and data storage. E-commerce and routine commercial functions such as accounting, sales, and banking are conducted electronically by businesses.

Governmental units have significant responsibilities for protecting the private data of citizens, preserving tax information, individual identification data such as driver's licenses and social security numbers and operating in compliance with state and federal laws.

Health care providers are making substantial strides in patient care using information technology, but patient records and bioinformation have to be robustly reliable and secure. Bioinformatics and the biosciences are highly dependent upon data analysis, movement, retrieval, and protection.

Law enforcement agencies deal with a plethora of information security needs. Data on crimes, offenders, parolees, vehicles, personal identification information and biometrics are all used daily by leading law enforcement agencies in solving crimes. Law enforcement officials must also address cybercrimes – electronic thefts, child pornography, cyber stalking and cyber threats and abuse using computer forensics. Public safety agencies are digitizing information on key facilities and infrastructure, the locations of explosives and hazardous materials, and response plans. This information must be kept secure, but must also be immediately accessible.

The United States Military is becoming information driven, depending on rapid and secure dissemination of digital information. For example, in Kansas, McConnell Air Force base has become a world data and analysis center for U.S. National Guard intelligence.

<div align="right">Attachment 1
G.E.+T 1-18-07</div>

Consumers purchase goods and services on-line, bank on-line, maintain personal and financial records on computers and move this data across networks. Consumers are dependent upon businesses protecting their data in a complex and threatening environment. Businesses must provide such security in a cost effective and reliable manner.

Today's Kansas needs highly capable Information Assurance specialists who have expertise in network and information security and computer forensics. These specialists are vital to assure that information dependent organizations and individuals are safe and competitive in a very uncertain world security environment.

Implementation

Fort Hays State University will initiate a new emphasis in its existing B.S. and B.A. degrees in Information Networking and Telecommunications to provide both face-to-face and distance education in Network and Information Security. It will bolster its current Information Assurance Concentration in the Masters of Liberal Studies. As these are existing degree and concentration programs, the university has previous academic approvals from the Board of Regents. It now needs the fiscal resources to implement this plan.

Fort Hays State University leads the Kansas Cisco Networking Academy System that includes most of the state's community colleges and several technical colleges. This system has provided an effective tool for articulation and transfer. The Information Assurance undergraduate program will be designed and implemented to encourage articulation from two-year institutions.

The Fort Hays State University concentration will align with the National Security Agency (NSA) Committee on National Security Systems (CNSS) standards. Creating the academic knowledge mass necessary to become a NCAEIAE will assure that Kansas has a critical tool for economic competitiveness and capable information technology specialists for government, health care, emergency response, military, and other critical sectors. Such a center is important in positioning Kansas competitively. It will help Kansas play an important role in providing for state and national security.

3) Fiscal and Administrative Impact The cost of additional faculty, other operating expenses, and equipment for the Network and Information Security program will be an on-going expenditure of $532,536.40. Existing administrative systems should be sufficient to accommodate student enrollment and support.

4) Impact on other State Agency This proposal will benefit state agencies ranging from the Department of Administration to the Kansas National Guard and Kansas Bureau of Investigation by providing a pool of badly needed talent. It should have no external costs to other agencies and will provide external benefits to agencies needing Information Assurance expertise.

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Budget

	Legislative Security Proposal 07						
	Salary		Benefits 19.12%		Health Ins		Total
Network Security Professor	$	70,000.00	$	13,384.00	$	5,794.00	$ 89,178.00
Network Security Professor	$	70,000.00	$	13,384.00	$	5,794.00	$ 89,178.00
INT Temporary Faculty member	$	45,000.00	$	8,604.00	$	5,794.00	$ 59,398.00
Computer Forensics Professor	$	70,000.00	$	13,384.00	$	5,794.00	$ 89,178.00
Upgrade of positions to reflect Ph.D.'s							
Shaffer	$	7,500.00	$	1,434.00			$ 8,934.00
Walters	$	7,500.00	$	1,434.00			$ 8,934.00
Upgrade of chair position to reflect department size	$	2,000.00	$	382.40			$ 2,382.40
Academic OOE Upgrade							$ 15,000.00
Cisco Networking Academy Program Specialist	$	50,000.00	$	9,560.00	$	5,794.00	$ 65,354.00
(12 Month Position)							
OOE Travel, Netlab, Support, Training							$ 30,000.00
Equipment							$ 75,000.00
Total							$ 532,536.40

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Deputy/Investigator Brad Ricke	Director of Police Ed Howell	SRO/ Jeffery W. Ridgeway
Ellis County Sheriff's Department	Fort Hays State University Police	Hays Police Department
105 West 12th Street	600 Park Street	105 West 12th Street
Hays, KS 67601	Hays, KS 67601	Hays, KS 67601

Dr. Edward Hammond, President
Fort Hays State University
600 Park Street
Hays, Kansas 67601-4099

Dear Dr. Hammond

As a founding member of the Ellis County High Technology Crime Unit, I fully endorse and recommend that Fort Hays State University pursue offering an academic program in Information Assurance and Network Security at FHSU.

The Ellis County High Technology Crime Unit is a collaborative partnership among local law enforcement agencies with Federal participation from the FBI's Regional Computer Forensic Laboratory, the Federal Internet Crimes Against Children Task Force and local academic participation and is located on the campus of FHSU.
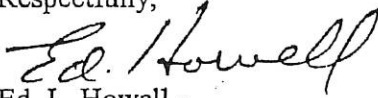
We are continually involved in issues relating to physical security of network systems in the digital and cyber world that is influenced by connectivity of the Internet and digital networks.

It's obvious that the Internet is a valuable tool and one that is here to stay. Unfortunately, as long as we have the Internet, we also have the array of problems that have emerged and continue to evolve from it (such as Internet related crimes against children, network system intrusions & takeover, hacking, Credit Card Scams/Identity Theft, eFencing), just to name a few.

As technology continues to expand and evolve, the necessity for education and action among law enforcement, the community and academics to combat these issues will also grow. There is a strong need in this area and High Tech High Touch has a different connotation in our environment. Investigators, academics and systems network

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administrators are continually faced with challenges to protect our broad technologies from intrusion and cyber crime. I sincerely believe this is a good niche for Fort Hays State University to continue its progressive efforts for a quality education in a rapidly evolving technology world of computer forensics and network security.

Respectfully,

Ed. L. Howell
Director, Fort Hays State University Police
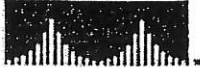
July 24, 2006

Edward H. Hammond, President
Fort Hays State University
600 Park Street
Hays, Kansas 67601-4099

To Whom It May Concern:

I am writing this letter to encourage and support Fort Hays State University in its efforts to develop both face-to-face and distance learning concentrations in network and information security. It is wonderful that you are building this concentration on an academic foundation developed with curriculum provided through the Cisco Networking Academy System. We at Cisco are pleased that students can develop fundamental knowledge and skills and advanced concepts using the variety of curricula that the Cisco Networking Academy offers.

Fort Hays State University has been a national leader in working with high schools, community colleges and technical colleges to provide articulation and help students understand the career paths available to them. Cisco Systems was proud to recently provide Fort Hays State University with international recognition for its success in building relationships with businesses and the external community.

Your University is doing an excellent job providing critical information technology talent for Kansas businesses and placing graduates in nationally recognizable companies such as Microsoft, Apple, Cisco Systems, Sprint, Berbee, and IBM. All of these businesses depend upon information and network security in order to conduct business efficiently. I applaud your university's efforts to expand your academic offerings in this critical field.

Sincerely,

Clydene Stangvik
Area Academy Manager, Central and Mountain States
Cisco Systems, Inc.

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September 12, 2006

Dr. Edward H. Hammond, President
Fort Hays State University
600 Park
Hays, KS 67601-4099

Dear Dr. Hammond:

The purpose of this letter is to encourage Fort Hays State University and the Kansas Legislature to move forward in creating a program in Network and Information Security within the existing Department of Information Networking and Telecommunications. Rural Telephone and its subsidiary, Nex-Tech, work with clients every day who are fighting off security risks. We have teamed with Fort Hays State University to provide network security workshops for rural businesses in Western Kansas and have held such workshops on the Fort Hays State campus and the Garden City Community College campus.

Rural businesses are easy to overlook in the state's economy, but they play a significant role. These businesses depend on providers, such as Rural Telephone and Nex-Tech to supply high-speed Internet and a variety of IT services. Of our 300 employees, more than 60 are alumni of Fort Hays State University. Our growth as a set of companies has been impressive. This success would not be possible without the talent that we are able to hire and to retain in Kansas. Clearly a significant share of that talent has been and will be produced at Fort Hays State University. Our clients need us to provide security solutions, and we need to be able to hire talented individuals with those skills.

Sincerely,

Larry E. Sevier
CEO

LES/lkw

1-7

IBM Global Technology Services

Global Delivery Center

5600 North 63rd St. Boulder, CO 80301

David Graves, Executive I/T Architect

18 September 2006

Dr. Edward Hammond, President

Fort Hays State University

600 Park, Hays, Kansas 67601-4099

Dear Dr. Hammond:

As an Executive IT Architect at IBM and one who understands the task of keeping information secure, I strongly recommend that Fort Hays State University pursue offering an academic program in Information Assurance and Network Security. IBM supports Fort Hays State University in pursuing programs in information security via the IBM Academic Initiative and the Services Science, Management, and Engineering – Information Technology Services Curriculum. These programs may provide avenues of obtaining information security management software and course materials to accelerate the program at Fort Hays State.

Few skills are more in demand than those of information security in the quest to combat the threat of cyber-terrorism.

As evidence of the importance of information security to IBM and our clients, IBM Research division maintains a global staff of PhD scientists in 6 global research centers working in the areas of cryptographic foundations, Internet security, ethical hacking, secure systems and smart cards, sensors & vulnerability analysis, secure payment systems, antivirus, privacy technology, biometrics, java cryptography, multiparty protocols, trust policies, cryptographic hardware and software, digital watermarking, and XML security. Additionally, IBM Global Technology Services provides operational security for IBM and its clients with over 3000 information security professionals that have CISSP, GCIA, GSEC, TICSA certifications and specializations. The operational services include intrusion detection and prevention, incident management, vulnerability scanning and assessment, compliance management, intelligence, email security management, forensic analysis, and others. IBM continually seeks graduates of information security programs to fill the need of skilled security professionals.

Thank you for considering my recommendation that Fort Hays State University pursue the Information Assurance and Network Security program and please call upon IBM to assist in the pursuit if necessary.

Respectfully,

David B. Graves
IBM Global Technology Services

IBM Certified Executive IT Architect

STOUT & DEINES, INC.
Performance Management

One Financial Plaza
Woodbine, Kansas 67492

Phone:(785) 257-3242
Fax:(785) 257-3299

September 25, 2006

Dr. Edward Hammond President
Fort Hays State University
600 Park
Hays, Kansas 67601-4099

Re: Information Assurance and Network Security Program

Dear Dr. Hammond:

We are writing to you on behalf of the Kansas Banking industry concerning a proposed program to offer a systematic and rigorous program to Information Assurance and Network Security. There are over 300 banks in the state of Kansas. Each bank has a crying need for information security professionals who have a well grounded background in information security.

In the past five years, we have seen an exponential growth in the regulations and expertise needed to meet the demands of the banking regulators. These people with the rigorous and technical training are hard to find. There is now a need for trained professionals to work in every bank in the state, and the surrounding states as well.

We believe the Information Assurance and Network Security program is needed and will be well received by the banking community.

If I may provide additional assistance, do not hesitate to call upon me.

Yours truly,

K. Alan Deines

KAD:ecb

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FIRST DISTRICT
KANSAS

COMMITTEE ON
AGRICULTURE
CHAIRMAN
SUBCOMMITTEE ON GENERAL FARM
COMMODITIES AND RISK MANAGEMENT

COMMITTEE ON
TRANSPORTATION AND
INFRASTRUCTURE

COMMITTEE ON
VETERANS' AFFAIRS

SIGN UP FOR EMAIL UPDATES:
WWW.HOUSE.GOV/MORANKS01

Congress of the United States
House of Representatives
Washington, DC

(202) 225–2715
FAX (202) ˙˙˙–5124

DISTRICT ˙˙˙S:
1200 MAIN STREET
SUITE 402
P.O. BOX 249
HAYS, KS 67601–0249
(785) 628–6401
FAX (785) 628–3791

ONE NORTH MAIN
SUITE 525
P.O. BOX 1128
HUTCHINSON, KS 67504–1128
(620) 665–6138
FAX (620) 665–6360

119 WEST IRON
SUITE 603
P.O. BOX 766
SALINA, KS 67402–0766
(785) 309–0572
FAX (785) 827–6957

September 27, 2006

Mr. Nelson Galle, Chairman
Kansas Board of Regents
1000 SW Jackson Street, Suite 520
Topeka, Kansas 66612

Dear Chairman Galle and members of the Kansas Board of Regents:

The advancement of technology has changed our lives. Today, personal information is processed with the use of technology. We rely upon government, non-profits and businesses to utilize our information in a way that maintains informational integrity for our population. As electronic information has become a critical component of our society and economy it is important to provide a skilled workforce to address these important technological needs.
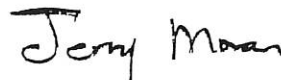
Workers with these technology security skills are important to Kansas businesses. Banks, health care providers, law enforcement agencies, our military, schools, and state and local governments all must find ways to maintain a high level of service while meeting current and future regulatory requirements.

The need for a skilled workforce to provide the proper level of security is often a challenge in rural areas of Kansas. These areas must provide the same level of security as urban areas, but often struggle with limited resources to meet these increasing demands.

I am encouraged to learn that Fort Hays State University is working to develop a Network and Information Security program to meet our society's needs. I am pleased the university is working to meet the curriculum standards established by the National Security Agency and that the program under consideration will offer both on campus and on-line learning options.

I look forward to the development of this new program at Fort Hays State University. Please let me know if I can be of assistance in this worthwhile effort.

Very truly yours,

Jerry Moran

Jerry Moran

JM:mh

1-11

September 27, 2006

Dr. Edward Hammond
President
Fort Hays State University
600 Park Street
Hays, Kansas 67601

Reference: Information Assurance Legislative Proposal

Dear Dr. Hammond:

As a representative of Juniper Networks (US), Inc. focused on the needs of state and local government and education, I am writing you in support of the proposed legislation expanding your current Networking and Telecommunications curriculum to focus on Information Assurance. At no time in history has the need for highly trained information technology security professionals been greater. And that need grows at lightning speed, just as information technologies arrive allowing us to share information across town, across the country, and around the world faster than ever before.

By enhancing its existing program, Fort Hays State University is keeping up with the current demands of the market place. You will be offering your students the opportunity to gain vital training in an area of critical importance to every organization operating in the world today — public or private. In fact, IDC, a global provider of IT and telecommunications market intelligence, expects IT security spending to grow twice as fast as IT spending over the next several years, surpassing $116 billion by 2007. Companies across all industries place a high priority on safeguarding their data and systems. Growth in these areas is expected to fuel demand for specialists who are knowledgeable about network, data, and communications security.

Juniper Networks prides itself on being a recognized and lauded leader in enabling secure communications over IP networks. We would be pleased to engage with FHSU to investigate any number of ways that we could bring relevance to the expanded curriculum. We look forward to pursuing this opportunity.

Very truly yours,

Michaela D. Mezo
Director, Government and Education, Americas

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September 27, 2006

Dr. Edward Hammond, President
Fort Hays State University
600 Park
Hays, Kansas 67601-4099

Dear Dr. Hammond:

Recently, I was informed that Fort Hays State University is considering offering an academic program in Information Assurance and Network Security. While you will likely received many letters of support for such a project, I would like to share with you a real world issue that we are facing and how the above program would be of great assistance to us.

The Heart of America Regional Computer Forensic Laboratory (HARCFL) is a collaborative partnership among sixteen federal, state and local agencies which provides digital forensic assistance at no-cost to approximately 867 law enforcement agencies throughout Kansas and the western two-thirds of Missouri. As the laboratory's case load has significantly grown over the last few years and as a means to better serve our clients, we have embarked on an initiative to allow law enforcement officers throughout our service area to review digital evidence from their cases at their desktops. When this initiative is complete, we will be the first, if not one of the first laboratories in the country to offer this service.

Recognizing that the information to be reviewed concerns ongoing investigations, law enforcement sensitive information and at times contraband, network security is paramount. We are also seeking to disseminate this information <u>via</u> a conduit that is known to, trusted by, and readily accessible to all law enforcement.

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As both our system and the deployment system are transferring very sensitive information, all entities require that they have their own network security in place for obvious reasons. As the layers of encryption, password protections, etc. are added by each system, network security increases. Unfortunately, latency and other problems also increase, denigrating and detracting from the end-users experience; which at times can defeat the whole purpose of the underlying project.

At the present, we are enmeshed in attempting to find methods and means by which to incorporate the security features of the involved systems into a seamless product that will enhance and promote the end users' experience and facilitate the transfer of law enforcement sensitive information. Due to the lack of expertise in this area, we are faced with a "trial and error" methodology, which is extremely time consuming and hindering.

The above is but one example of the problems being experienced by not only our laboratory, but throughout law enforcement and the business community. While we have a staff of highly trained computer experts, none have a background that can be called upon to quickly and easily resolve the absence of network security connectivity. As such, there is a true lack of education and experience in this area and it appears that it would be of great benefit to Fort Hays State University to pursue a program and to offer degrees regarding this aspect of emerging computer science.

We appreciate you time in reading the above and affording us the opportunity to comment on this worthwhile initiative being considered by your University.

Sincerely,

Kevin Steck
Director

United States Senate

SELECT COMMITTEE ON INTELLIGENCE

WASHINGTON, DC 20510-6475

September 28, 2006

Dr. Edward Hammond
President
Fort Hays State University
600 Park
Hays, Kansas 67601-4099

Dear Dr. Hammond:

I applaud the leadership of you and your faculty in shaping Fort Hays State University into an institution known across the nation as a sterling example of "High Tech/High Touch." Your efforts are benefiting Kansas and the nation alike.

I have long believed that both our ability to compete in the global arena and our ability to ensure that we are able to meet and overcome emerging threats to our nation and our interests depend in no small part on educating and shaping bright minds and on pursuing leading edge research. For these reasons, Kansas universities and schools must be highly competitive in math, science and technology.

As Chairman of the Senate Intelligence Committee I am very aware of the nature of the threat to our information technology infrastructure. We, as a highly developed country, depend upon this infrastructure. Information assurance - the protection of our networks and databases through network and information security tools and techniques - is vital.
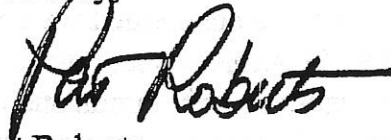
The National Security Agency (NSA) has developed a set of academic curricula standards for information assurance and is encouraging leading universities across America to adopt these curricula. Universities that offer a curriculum that aligns with the NSA Committee on National Security Systems (CNSS) standards can earn the status of National Center of

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Dr. Edward Hammond
September 28, 2006
Page Two

Academic Excellence in Information Assurance Education. Kansas is one of a minority of states that does not have such a center. This is also true of our neighbor to the east – Missouri. Colorado's center is at the Air Force Academy and is, by necessity, focused on academy cadets. As a result, we have a gap in information assurance expertise in the middle part of the country. To be highly competitive in math, science, and technology our state and perhaps the region requires leadership in this segment of technology.

I urge Fort Hays State University to offer an academic program that aligns with CNSS standards and to provide the resources and leadership to become a National Center of Academic Excellence in Information Assurance.

Sincerely,

Pat Roberts
Chairman

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KANSAS

Department of Administration

Division of Information Systems and Communications
(DISC)

Unpublished DRAFT (1-18-07)
FY 2006 Annual Report

Denise Moore, Director
January 2007

Attachment 2
GE+T 1-18-07

Director's Message

The Division of Information Systems and Communications, also known as DISC, continues to evolve as we strengthen and improve our services. Comprised of seven operational units, DISC employees work together to provide quality IT services and products to state and local government.

The staff accomplishments and achievements are numerous. We strive to enhance services to small and large customers while effectively managing costs and providing value.

DISC works hard to improve customer service through increased communications between and among DISC and state agencies, and seeks to include customers in decisions that improve, increase and enhance services and processes.

DISC provides essential services to the state of Kansas including, but not limited to, direct management of the State's vital applications from financial management, payroll, human resources, budget, debt recovery, and numerous web applications as well as managing the infrastructure to support agency mission critical information systems.

DISC assists state entities with significant projects such as the Secretary of State's Centralized Computer Voter Registration System, the Kansas Highway Patrol Video Surveillance System and the establishment of information technology Services for the new Kansas Health Policy Authority.

Significant progress has been made in the areas of enterprise security and disaster recovery, both of which are vital to providing reliable, quality services to our customers.

Furthermore, DISC addresses enterprise information technology projects through project management, web development services, geographical information systems, and enterprise architecture.

Together with our partner agencies, DISC strives to provide outstanding cost-effective services and products to our customers.

Respectfully submitted,

Denise Moore

Denise Moore
Director, Department of Information Systems & Communications
Chief Information Technology Officer – Executive Branch

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The DISC Organization

DISC is comprised of seven operational units that provide quality IT services and products to state and local government.

> Bureau of Administrative Services — BAS
> Bureau of the Department of Administrative Systems — BDAS
> Bureau of Information Systems — BIS
> Bureau of Customer Services — BOCS
> Bureau of Telecommunications — BOT
> Kansas Information Technology Office — KITO
> Enterprise Services; Security and Technical Support — ES

Bureau of Administrative Services

As the business service unit of DISC, Administrative Services provides human resources, budgeting, rate setting, accounts payable and receivable, contract and service level agreement management, office support, enterprise business contingency planning and central mail services. Administrative Services facilitates the business within DISC, emphasizing a customer-centric philosophy by creating new pricing methods and improved business processes.

Bureau of the Department of Administration Systems

Administration Systems provides support for statewide applications including SHaRP (human resources and payroll), STARS (financial), Set-Off (debt recovery), BMS (budget), and KIRMS (workflow tracking and billing system). Administration Systems also supports web development services for both the Department and the enterprise. Enterprise Internet Services provides e-government services including web hosting and application development to the Department of Administration, Governor's Office, Kansas Health Policy Authority, and state agencies, boards, and commissions that do not have the resources to devote to web development.

Bureau of Information Systems

Information Systems provides support for the state's mainframe and mid-range computer platforms and manages the state's primary computer hosting centers 24 hours a day, seven days a week. The mid-range platforms support client/server and web-based applications including the statewide Human Resources and Payroll system (SHaRP) and Revenue tax applications. The mainframe platform provides vital computing services for the Departments of SRS, Labor, Transportation, Revenue and Administration. Consolidated data storage is provided for all computing platforms including personal computers and small servers.

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The DISC Organization

Bureau of Customer Services

Customer Services provides support for the Department of Administration's server and desktop platform. The Small Agency Support section provides a full range of IT services for small agencies, commissions and licensing boards.

### Bureau of Telecommunications

The Bureau of Telecommunications provides and manages voice, video and data telecommunication services for state agencies and local units of government. Support for all telecommunication services and products are managed through the Network Operations Center (NOC) 24 hours a day, seven days a week.

Kansas Information Technology Office

The current IT Governance structure in Kansas was created with Senate Bill 5 in 1998. The Kansas Information Technology Office (KITO) was established to support the resulting statute. KITO is comprised of three functional areas providing services to the enterprise: Project Management, Geographical Information Systems (GIS), and Enterprise IT Architecture. All three areas support the three branch Chief Information Technology Officers (Executive, Legislative and Judicial) and the Chief Information Technology Architect. A new function was added to focus on IT contract management efforts from an enterprise perspective and support a broader strategic sourcing process.

Enterprises Services – Security

The Enterprise IT Security Office is responsible for oversight and coordination for the state's telecommunications network, security training, and incident response and remediation. The office also plays an instrumental role in statewide security planning and development in association with the Kansas IT Security Council. Entrusted with the stewardship of data and maintenance of the state's mission-critical business operations, the IT Security Office works to protect state data assets while reducing the overall cost of state government operations on behalf of Kansas citizens.
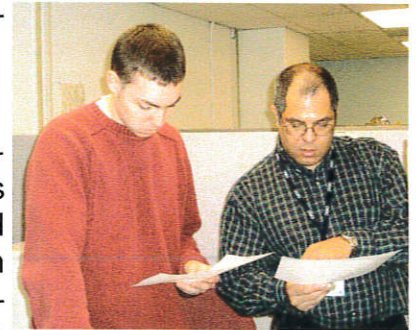
Enterprises Services – Technical Support

The Enterprise Services Technical Team was created to facilitate effective analysis, troubleshooting and closure of particularly difficult problems that occur both within DISC and across multiple agencies. With the size and complexity of the KANWIN network, problems with the network often cross agency firewalls, switches, routers, wide area network links, local area networks, the Campus Network, and the Internet. When this occurs, the Technical Team may be called upon to assist with and coordinate the problem to affect a proper and timely solution. Additionally, the team performs planning, research and development of new and existing technologies within the State of Kansas, and assists DISC and state agencies with their implementation.

2-4

Initiatives

Wireless LAN Initiative: Beginning in the summer of 2005, DISC, The Department of Transportation (KDOT) and the Legislature initiated a project to enable wireless LAN (WLAN) communications in the State Capitol Building. Since then, DISC has installed wireless LAN controllers, Access Points (AP's), and piloted different authentication methods to be used by all state agencies. The system is currently expanding as multiple state agencies demonstrate their interest to examine and install WLAN technology.

Customers can choose from an entirely DISC-managed wireless system to one where DISC provides the basic infrastructure, offering customers greater flexibility in managing their wireless technology. The variable pricing structure is one way in which DISC is changing to meet customer needs.

KanWIN Network Move to KDOT Fiber System: Planning in earnest began in the summer of 2005 to allow the KanWIN network to utilize the KDOT Fiber Network as its backbone transport. KDOT has been installing equipment to transport 800MHz radio traffic for Public Safety applications and Intelligent Transportation Systems (ITS) data on the fiber network since 2003. With the recent clarifying language in place with the fiber provider, DISC is now able to utilize the fiber resources. As of the first of December, the KanWIN backbone began running over the KDOT Fiber Network in production mode. Because of the fiber network capabilities the KanWIN backbone capacity between Topeka, Wichita and Kansas City is significantly increased while saving taxpayers approximately $250,000 per year.

Strategic Sourcing: The reduction of costs by strategic processes is the hallmark of Vendor Management and furthers the efforts of the BEST initiative. Vendor management, overseen by a multi-agency Strategic Sourcing Group with assistance from topic-oriented Stakeholder Teams, uses techniques such as vendor consolidation, product standardization, industry best practices, procurement guidelines, and spending analysis to directly reduce costs, get more for the dollars we spend and reduce risk. Significant to this activity is the involvement and participation of local units of government and a wide variety of state agencies, including the Regents institutions. Working to serve a wider range of customers brings a new focus to many of the activities in this area.
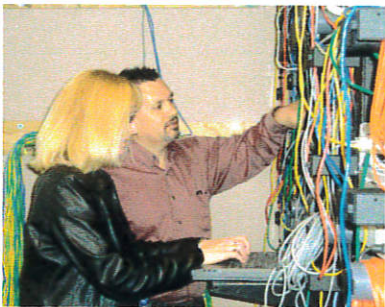
Future Technology Planning: To assist in researching and deploying future technologies, a group of DISC employees was charged with looking into future technologies DISC and the enterprise may want or need. In addition, the group analyzes the maximization of current technology tools.

2 - 5

Initiatives

Security: Without increasing the KanWIN rate or added funding, additional IT security functions were implemented in the KanWIN network in the form of an Enterprise Security Office. The Security Office collaborates with various units within DISC to develop and maintain an enterprise computer intrusion detection and prevention security system. This system provides protection from computer attacks and assists in identifying agency computers that have been compromised, preventing the spread of numerous viruses in the enterprise. An investment in enterprise security is primarily justified by cost avoidance for such things as lost productivity, computer and network downtime, and liability to customers for lost data when systems are compromised.

Statewide Email Directory: A multi-agency effort resulted in the development of a statewide email directory to increase ease of communication between and among state agencies. Efforts included reduction of the number of email systems and creation of a shared services email platform for smaller agencies. The Statewide E-mail Communications Directory is available on-line to all KanWIN customers. This system receives information from the SHaRP Personnel/Payroll system and is refreshed every pay period. The directory currently contains more than 17,000 entries. This statewide email application breaks down information silos within state government and allows the Governor's Office and all state employees to communicate and collaborate via email.

Financial Management System: The administration's philosophy and approach to execution of State administrative functions includes a more decentralized approach while fostering collaborative decision-making, placing an increased focus on analyzing data about the state's operations and pursuing efficiencies on an enterprise basis. As a result, managers have become acutely aware of deficiencies in the state's financial and procurement systems that make it difficult to obtain the information needed to adequately assess the efficiency of many aspects of operations.

The Department of Administration, led by a DISC project manager, engaged in a study to assess agency and central needs for a statewide financial management system (FMS). The goal of the study was to identify and evaluate the cost-benefit of various alternatives for meeting those needs, including the possibility of acquiring a new statewide FMS. The study has been completed and will be addressed by policymakers in coming months.

Redundancy and Disaster Recovery: A major upgrade of the Department's servers was completed, dividing redundant functions between the Capitol Complex and the Offsite Data Center. This enables the Department to maintain operational stability in the event one of the facilities experiences an outage. This configuration effectively improves end to end network reliability by more than 50 percent.

2-6

Initiatives

Expanded Telecommunications Services: To enable a greater focus on proactive network management and two tier problem resolution, telecommunication functions were reorganized and enhanced. Noteworthy efforts include completing the aggregation of KANWIN circuits generating considerable annual savings; the installation of a Topeka metropolitan area network (MAN) replacing several other types of circuits resulting in higher bandwidth at lower costs for many Topeka sites; and replacing the legacy telephone system in the Wichita State Office Building with a modern phone service, including replacing 450 phone sets.

The issuance of RFP's and contracts for additional campus fiber capacity and redundant fiber paths in the Capitol Complex; telecommunication parts reducing costs and shorter delivery times; statewide telecommunications services at reduced hourly rates and shorter service times for statewide installation services (especially in rural areas of Kansas); and increased audio conferencing services at lower costs.

Network Operations, Infrastructure & Operations Assessment: DISC strives to improve the quality and availability of service in support of the KanWIN network. A study was undertaken to provide an assessment of network operations, infrastructure and organization as the basis for recommending improvements in network availability, technical support and customer services.

The objective of the study was to identify requirements for the State's network infrastructure, operation and organization functions, analyze the state's current network capabilities, develop specific recommendations to bring the state network functions in line with industry best practices, and develop a roadmap for the growth and improvement of the KANWIN. The study was completed at year's end, with the implementation of the roadmap to begin this year.

State Services Directory: In March of 2006, DISC began working with Cabinet agencies to create a web based Services Directory application. The purpose of the application is to provide all citizens of Kansas with a central site for locating information about services and programs offered by state agencies. Using the application, citizens can determine which agency provides the service, who to contact by phone and/or email, and if there is a web site associated with the service for more information.

The application was designed with a clean, simple user interface and provides multiple options for locating services information. This application is a collaborative effort with agencies across state government providing information and vital input into the design and flow of the application. The services directory pilot (http://services.ks.gov) was launched in December and is now available to the public. The goal is to have all cabinet agencies participate with other state agencies added over time.

2-7

Initiatives

Technology Improvements: Because backup and restore services continue to grow, customers can now establish automated backups of the data on their servers and re-store lost or contaminated data through a simple and easy-to-use interface. Currently, over 15 Terabytes of data from 200+ servers are managed by this service.

The partnership and combined purchasing power of the Department of Revenue and SRS achieved a new statewide contract for disk stor-age to serve the needs of the most demanding applications. The new contract was leveraged to acquire new disk storage that can be shared by servers in both the primary Landon State Office Building (LSOB) data center and the Offsite Data Center (ODC). This new environment greatly enhances disaster recovery capabilities.

To satisfy the demand for additional mainframe capacity, an upgrade was negotiated and implemented that provides considerably more processing power, reduces the rates DISC mainframe charges by achieving software upgrade charges that were $650,000 less than anticipated (three year analysis figures), and saves an estimated $10,000 per month by negotiating for sub-capacity licenses.

Laser Print services offered by DISC continue to grow, including simplification of the printing of warrants and reduction of the risk of mailing erroneous warrants by printing the MICR line on warrants rather than buy pre-printed warrant stock. Furthermore, DISC worked with the State Treasurer's office to implement print changes that reduce the forgery of STARS warrants, which was recognized by the Governor's office.

Working with several agencies that utilize Laser Print services, DISC introduced a new address processing product that cleanses addresses and sorts mail into bundles that are subsequently eligible for postage savings. This effort also eliminates the need for other software, resulting in additional savings.

Centralized Voter Registration: As part of the Help America Vote Act, DISC supported the Secretary of State's undertaking to implement a Centralized Voter Registration System, creat-ing server environments that house redundant hardware com-ponents providing the application very robust, disaster recov-ery capabilities. Additionally, with considerable assistance from the Department of Revenue, approximately 80 KanWIN site circuits and routers were upgraded to support the effort.

Service Catalog: DISC is developing a catalog of the ser-vices provided, pricing, cost drivers, expectations, and cost savings tips to can maximize services. The goal is to provide a clear, customer-centered publication of services to help customers understand what we do.

2-8
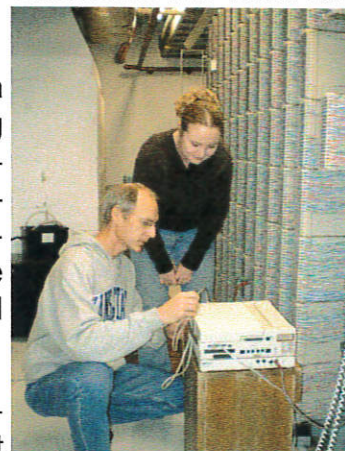
Initiatives

Kansas Information Resources Management System: At the beginning of FY06 an automated workflow tracking and billing system known as the Kansas Information Resources Management System (KIRMS) began operation. The new system offers many benefits, including automating critical processes across DISC bureaus and state agencies by replacing numerous manual and home-grown systems. KIRMS also improves cost allocation and time reporting systems by analyzing workflow and staffing needs. KIRMS continues to be improved and enhanced as needs are identified.

**Statewide Human Resources and Payroll Systems (SHaRP):** The Department of Administration officially started the third major SHaRP upgrade project in February 2006. The implementation of the SHaRP system upgrade from PeopleSoft version 8.0 to 8.9 is scheduled for the summer of 2007. The upgrade project is a cooperative effort between the Division of Accounts and Reports, Division of Information Systems and Communications, Division of Personnel Services, and state agencies. The Department is committed to providing a smooth transition to the new software with as little disruption as possible.

Small Agency Support: This group provides much needed technical assistance to smaller agencies, boards and commissions that do not have IT staff or lack sufficient training for IT staff. Examples of services offered include total infrastructure replacement including workstations, servers, operating systems, application software and conversion of databases to current releases; offering low-cost, reliable email services to over 200 small agency users that can not afford to maintain email systems; and providing database development services enabling the replacement of numerous antiquated and unsupported IT applications with state of the art software.

Kansas Highway Patrol Video Surveillance System: In July 2005, the Kansas Highway Patrol attempted to implement a security surveillance video system to monitor state buildings in the capitol complex and in remote offices. The implementers experienced many technical problems such as freezing or choppy video, loss of connection, poor performance, hardware failures, and a variety of other symptoms. In December of 2005, DISC began to assist with troubleshooting and problem resolution. Over the following months KHP and DISC worked cooperatively to address many of the problems experienced. As a result of this collaboration, the amount of monitored cameras went from a handful to over 100. Though challenges still remain, security for state employees and state property has been increased dramatically with real time video monitoring 24 hours a day, seven days a week.

2-9
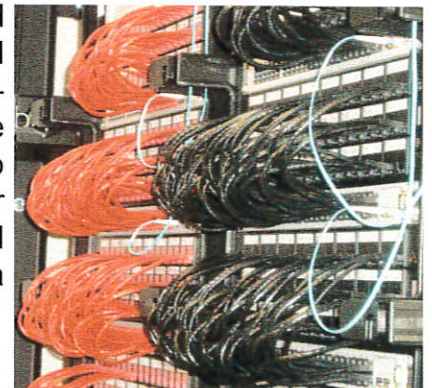
Initiatives

Customer Relationships: To improve customer experience and satisfaction, DISC initiated a project to study the ways DISC employees communicate with both internal and external customers. The purpose of this effort is to identify opportunities to improve service and customer satisfaction by communicating in a more effective and thorough manner.

Project Management: Emphasis on proactive IT project management resulted in 100 percent of agencies with active IT projects complying with project reporting guidelines. As a result, resources previously spent obtaining project status reports are now redirected toward working with agencies to identify and address issues of concern, leading to a minimal number of projects on hold or cancelled and more successful IT projects.

In addition to Project Management certification, the curriculum of project management training classes includes Risk Management, Contract Management, Requirements Management, Aspects of Project Control, Vendor Management and Communication Techniques resulting in better trained project managers that effectively manage and ensure the state's IT projects are delivered on time and on budget.

Geographic Information Systems: GIS is a system of hardware and software used for storage, retrieval, mapping, and analysis of geospatial data. The State GIS office develops and maintains geospatial data and web services for the state, local governments and citizens through the Kansas Data Access and Support Center at KU, and works with Federal and State partners as well as local government to more effectively utilize GIS technology. The analysis provided by GIS aids in better decision making, increased efficiencies and cost reductions.

Flexible Staffing: DISC introduced a flexible staffing program initiated to address short term staffing needs. If one area experiences a staffing need, suitable staff from other areas of the organization can volunteer to help meet that need on a temporary basis, reducing the need for additional full-time staff.

Training: The DISC Training Program was introduced to help employees keep up to date with the latest technologies and improve individual staff skill sets. Training includes technical courses as well as Diversity, Supervision, DISC Orientation, Leadership, and Customer Relationship courses.

Numerous IT technical training classes are also sponsored at no cost to the user's agency, strengthening statewide IT skills by developing more educated and skilled IT staff in other agencies.

2--10

Initiatives

Enterprise Architecture and Information Technology Planning: Enterprise architecture is a comprehensive framework used to manage and align an organization's business processes, information technology software and hardware, local and wide area networks, staffing, operations, and projects with the organization's overall strategy. A strong Enterprise Architecture process helps to answer basic questions such as: What are the organization's business processes and how is IT supporting those processes?
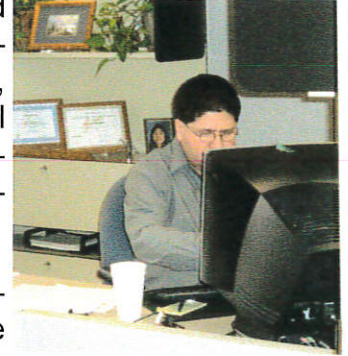
The State's IT Enterprise Architecture function has been enhanced with a clear vision of mission and includes long range IT planning, creating and managing IT standards, and communicating and managing a consistent IT direction for all state agencies.

IT Enterprise Architecture progressed in the areas of IT business and strategic planning, fostering better communications and planning for IT projects across the enterprise. This effort results in better utilization of state resources through initiatives such as the pilot business modeling programs underway at the Kansas Water Office and the criminal justice community, and will eventually be used throughout state government.

Kansas Health Policy and Finance: On July 1, 2005 the Kansas Health Policy Authority (KHPA) was established as a new State agency within the executive branch of Kansas state government. The responsibilities of the KHPA are wide ranging but primarily revolve around consolidation and coordination of health care services, programs and benefits within the state. These responsibilities were previously held by divisions within SRS and the Department of Administration.

To better support their newly created responsibilities, KHPA entered into an agreement with DISC to create and support a separate networked environment. This process involved the collection of detailed data and planning. Obsolete network hardware was identified and replaced and a new network and server environment was created and configured for the new agency. Challenges such as HIPAA requirements, encrypted email, cross agency intranet access, state contractor access, file sharing, agency to agency security requirements, email conversion, and staff training were addressed.

As we look ahead to future collaborations and business process improvements, technology can and will provide the tools to facilitate more effective and efficient government services for the citizens of Kansas.

We'll do our best everyday!

2-11

IT PROJECT PLAN APPROVAL PROCESS FOR PROJECTS OVER $250,000
EXECUTIVE BRANCH
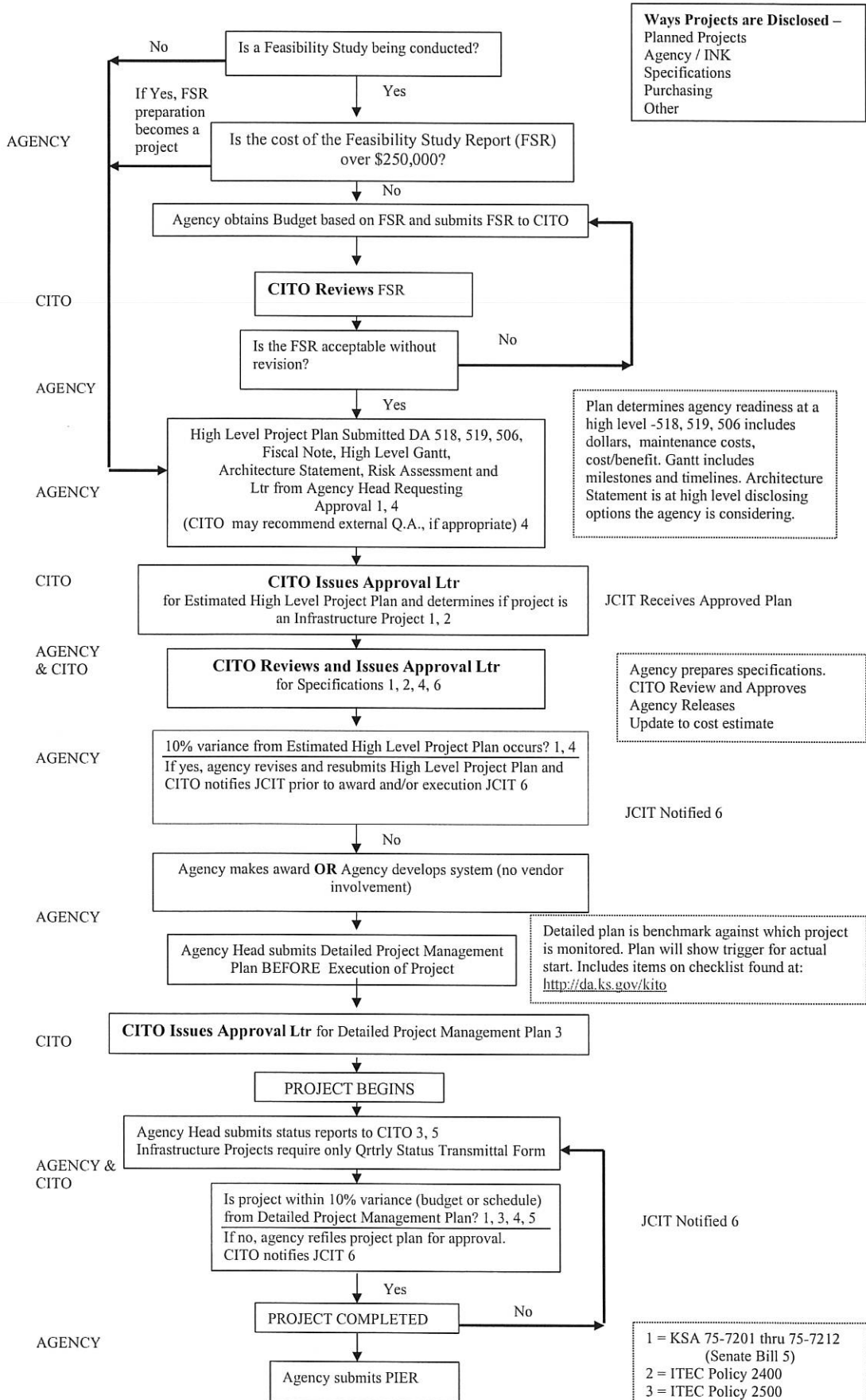
Ways Projects are Disclosed –
Planned Projects
Agency / INK
Specifications
Purchasing
Other

AGENCY

No ← Is a Feasibility Study being conducted? → Yes

If Yes, FSR preparation becomes a project

Is the cost of the Feasibility Study Report (FSR) over $250,000?

No

Agency obtains Budget based on FSR and submits FSR to CITO

CITO

CITO Reviews FSR

Is the FSR acceptable without revision? → No

AGENCY

Yes

High Level Project Plan Submitted DA 518, 519, 506,
Fiscal Note, High Level Gantt,
Architecture Statement, Risk Assessment and
Ltr from Agency Head Requesting
Approval 1, 4
(CITO may recommend external Q.A., if appropriate) 4

AGENCY

Plan determines agency readiness at a high level -518, 519, 506 includes dollars, maintenance costs, cost/benefit. Gantt includes milestones and timelines. Architecture Statement is at high level disclosing options the agency is considering.

CITO

CITO Issues Approval Ltr
for Estimated High Level Project Plan and determines if project is an Infrastructure Project 1, 2

JCIT Receives Approved Plan

AGENCY & CITO

CITO Reviews and Issues Approval Ltr
for Specifications 1, 2, 4, 6

Agency prepares specifications.
CITO Review and Approves
Agency Releases
Update to cost estimate

AGENCY

10% variance from Estimated High Level Project Plan occurs? 1, 4
If yes, agency revises and resubmits High Level Project Plan and CITO notifies JCIT prior to award and/or execution JCIT 6

JCIT Notified 6

No

Agency makes award **OR** Agency develops system (no vendor involvement)

AGENCY

Agency Head submits Detailed Project Management Plan BEFORE Execution of Project

Detailed plan is benchmark against which project is monitored. Plan will show trigger for actual start. Includes items on checklist found at:
http://da.ks.gov/kito

CITO

CITO Issues Approval Ltr for Detailed Project Management Plan 3

PROJECT BEGINS

AGENCY & CITO

Agency Head submits status reports to CITO 3, 5
Infrastructure Projects require only Qrtrly Status Transmittal Form

Is project within 10% variance (budget or schedule) from Detailed Project Management Plan? 1, 3, 4, 5
If no, agency refiles project plan for approval.
CITO notifies JCIT 6

JCIT Notified 6

Yes

PROJECT COMPLETED → No

AGENCY

Agency submits PIER

Revised 10-23-06

1 = KSA 75-7201 thru 75-7212
    (Senate Bill 5)
2 = ITEC Policy 2400
3 = ITEC Policy 2500
4 = ITEC Policy 2510
5 = JCIT Policy #2
6 = JCIT 2004 Recommendations
www.da.ks.gov/kito

Attachment 3
QE+T 1-18-07

KANSAS

KATHLEEN SEBELIUS, GOVERNOR

DIVISION OF INFORMATION SYSTEMS AND COMMUNICATIONS
DENISE MOORE, DIRECTOR

Regents Participation in Statewide Activities

Board of Regents institutions are active participants in many areas of the state's IT operations. Some of the more significant areas are:

Governance

The Board of Regents is statutorily a participant in the Information Technology Executive Council (ITEC), holding a position on that Council. As a member, they have a significant voice in determining state IT policies and direction.

Four Board of Regents institutions are active members in the Geographical Information Systems (GIS) Policy Board, and a Board of Regents Institution operates the state's GIS Data Access and Support Center (DASC) for the statewide GIS community.

Representatives from several of the Regent's universities as well as a representative of the Board of Regents routinely attend the monthly Information Technology Advisory Board (ITAB) meeting.

As a matter of policy, each of the 14 Domain Groups within the Kansas Information Technology Architecture includes at least one member from a Regents institution. Also as a matter of policy, there is always a Regents institution represented on the Kansas Technical Architecture Review Board (KTARB).

Vendor Management / Strategic Sourcing

Representatives from several of the Regent's universities were key players in the revamping of the state's personal computer contracts, providing both strategic planning information and technical resources.

A Regent's university representative served on the Procurement Negotiating Committee for the recent replacement of the statewide computer maintenance contract and Regents institutions provided the bulk of the non-Revenue equipment inventory configurations that were used in evaluation formulas.

Representatives from two Regent's universities served on the statewide Storage Area Network (SAN) study group.

A Regent's university representative regularly attends and shares in the work of the standing Vendor Management Strategic Sourcing Committee, and there are representatives from several of the Regent's universities on the Vendor Management Steering Committee.

Statewide Contract Development – The Division of Purchases holds a monthly meeting of their staff and agency procurement officials to address statewide contracts. Many of the contracts are IT-focused, and several of the Regent's universities are very active participants in these meetings.

Attachment 4
GE+T 1-18-07

Security

A Regent's institution serves as a Member on the state's Information Technology Security Council and acts as an interface or conduit between that group and the Regents Information Technology Security Workgroup.

Regents institutions are part of the broader security community and frequently provide information or news to state agencies (via the state's Chief Information Security Officer) about security events that they encounter first.

Operations

Regents institutions have supported the Governor's initiative to establish and implement clearer expectations in the acceptable use of the Internet by state agencies and employees.

A Regent's institution is participating in exploratory activities relative to creation of a State IT back-up facility in the Wichita area.

The KanREN/Kan-ed and KANWIN networks are interconnected on a Peer-to-Peer basis. The connection supports shared administrative applications like SHaRP.

Regents institutions are active players in the state's migration of its video conferencing functions to High-Definition (HD). Regents institutions often make their video-conferencing sites available for use by state agencies.

Project Management

Regent's institutions have been active participants in the Project Management Methodology Refresh effort.

4-2

Executive Branch Participation in Regents Activities

There are many areas where the Executive Branch participates directly in Regents IT activities. Some of the more significant areas are:

Governance

The Executive Branch CITO attends the Board of Regents Information Technology Council (RITC) meetings to provide a monthly update to the Regents institutions on state's activities and receive an update on active and planned campus IT activities.

Vendor Management / Strategic Sourcing / Procurements

The Regents Procurement Advisory Group (RPAG) is a monthly meeting of Regents institutions procurement staff. Staff from the Division of Purchases almost always joins this group's meetings. Many of the topics are IT-focused.

Most significant procurements in the State are negotiated, including those that occur at Regents institutions. CITO Staff routinely serve on the Procurement Negotiating Committees as the designee of the Secretary of Administration, providing direct involvement in most significant IT activities that occur at Regent's institutions.

Operations

DISC assisted with the initial implementation of the KanREN/Kan-ed network. DISC presently provides network monitoring services for both these networks during the Regents' off-periods.

State staff often appears before and participate in the Council on Higher Education Computing in Kansas (CHECK) Conference. CHECK gathers most of the Regents institutions IT staffs together annually for training and information sharing.

The Board of Regents co-located (moved) its data center into DISC's facility in December, 2006. DISC provides monitoring of the processors, and assists with operations on request. Discussion is occurring about integrating BOR backup and other operations with the broader DISC operations (Tivoli functions for example).

Security

Regents institutions are part of the broader security community and frequently receive information or news from other state agencies (via the state's Chief Information Security Officer) about security events that are encountered first in general government operations.

Project Management

The Executive Branch CITO and the Enterprise Project Management Office provide oversight for all projects occurring within the Regents institutions valued at more than $250,000. This oversight includes project reviews and approvals at the high-level and detailed plan stages, approval of all specifications, monitoring of the projects on an ongoing basis, and receiving the Post Implementation Evaluation Report (PIER).

SHARP Functionality used by the Regents

Function	Regents Usage
Time & Leave	No
Admin Workforce	Yes
Manage Position	Yes
Benefits Admin	Yes
Total Compensation	No
Salary Plan	Yes
Leave Accrual	No
Recruitment	Yes
Payroll Calc	No
Regent Payroll Process	Yes
Paycheck Printing	Yes
W2/1042	Yes
Ded/Tax/Earnings Balc	Yes
Garnishment	Yes
Funding/Crosscheck	Yes
Rconciliation	Yes

Summary: The Regents use 55% of SHARP functionality.

Note: DISC provides custom processes just for Regents and several modified programs to exclude the Regents from processsing. There are at least 29 Regent specific sqrs and sqcs and 32 Regent specific scripts on the production system.

In addition, the information gathered is also used for producing W2's, 1042's, printing paychecks, open enrollment, reconciliations and garnishments.

KANSAS

Date: June 23, 2006

To: Senator Huelskamp, Chairman JCIT

From: Denise Moore, Executive CITO

Re: Question regarding integration of Regents payroll systems with the State's.

I have been informed that the Committee, through Representative McLeland, inquired about the feasibility of integrating the Regents' Institutions payroll systems with the State's. In an effort to address this inquiry, I present the following information.

Each university campus operates a central administrative system which includes financial management, human resources, payroll and (in some cases) student administrative functions. Each university's administrative system populates the State's central payroll system (SHaRP) which in turns pays all state employees. This model has been reliable, effective and common nationwide. Additionally, individual campuses frequently integrate their central administrative systems and department information systems.

The optimal balance between functionality and cost lies in thoughtful integration of systems that are relatively more distributed with others more centralized.

Establishing optimal cost-effectiveness models for very large systems implementations (*e.g.*, state-wide or Regents-wide) is complex and requires involvement of subject-matter experts with wide experience in very large enterprise implementations across a range of environments. To seriously evaluate the effectiveness of the Regents' or the State's administrative systems architecture and business processes, the legislature might consider an FY 07 appropriation towards professional consultation with an IT-oriented national consulting firm.

If you have any questions or would like additional information, please do not hesitate to contact me.

cc: Representative McLeland, Member JCIT
     George Vega, Director DPS
     Duane Goossen, Director Budget/ITEC Chairman

Attachment 6
G E+T 1-18-07

DATA CENTER DISC SERVERS
Prepared by Loren Westerdale, DISC Deputy Director

Server Function	Utilization %*	Comment
Tivoli Storage Manager Server	62	Server peaks during nightly back up processing
Tivoli Storage Manager Server (Test)	10	Only used to install and test new product releases
Tivoli Storage Manager Server	97	Server peaks during nightly back up processing
DB2 Connect server	30	Dedicated to KDOT distributed applications
DB2 Connect server (Development)	10	Dedicated to KDOT distributed applications
Mainframe CPU shared processor	95	Supports 1 test and 2 production LPAR's
KDOR Production	94	
Sharp 8 Development	98	
Sharp 8 Production	89	
Sharp 8.9 Development	99	
Sharp 8.9 Prod sever	23	In early development - will peak later
KDOR Development	76	
Sharp 8 app Server	18	
Sharp 8.9 app sever	5	In early development - will peak later
Budget Production Server	92	
Sharp domain controller	15	WEB domain controllers
Sharp domain controller	15	WEB domain controllers
Sharp 8.0 web server Production	30	Load balanced web server
Sharp 8.0 web server Production	30	Load balanced web server
Sharp 8.0 web server Production	30	Load balanced web server
Sharp 8.0 web server Production	30	Load balanced web server
Sharp 8.0 web server Production	30	Load balanced web server
Sharp 8.9 web server Production	30	Load balanced web server
Sharp 8.9 web server Production	30	Load balanced web server
Sharp 8.9 web server Production	30	Load balanced web server
Sharp 8.9 web server Production	30	Load balanced web server
Sharp 8.9 web server Production	30	Load balanced web server
Front end Cluster Sharp 8.0	20	migration process for sharp 8.0
Front end Cluster Sharp 8.0	20	migration process for sharp 8.0
Sharp 8.0 system test	15	Load balanced web server
Sharp 8.0 system test	15	Load balanced web server
Sharp 8.9 system test	15	Load balanced web server
Sharp 8.9 system test	15	Load balanced web server
Dev - Sharp 8.0 web server	15	Development server
Dev - Sharp 8.9 web server	15	Development server
Sharp 8.0 process scheduler test	25	NT process scheduler
Sharp 8.0 process scheduler	30	NT process scheduler
Sharp 8.0 process scheduler	20	NT process scheduler
Sharp 8.9 process scheduler test	25	NT process scheduler
Sharp 8.9 process scheduler	20	NT process scheduler
Sharp 8.9 process scheduler	20	NT process scheduler
report repository	20	Sharp 8.0 report repository
report repository	20	Sharp 8.0 report repository
report repository	20	Sharp 8.0 report repository
report repository	20	Sharp 8.9 report repository
report repository	20	Sharp 8.9 report repository
Syslog	20	Sharp 8.0
Syslog	20	Sharp 8.9
Domain Cointroller	15	DofA - DAWEB domain
Domain Cointroller	15	DofA - DAWEB domain
Media Server	100	House media server
Media Server	100	Senate media server
Media Server	40	Senate & House distribution media server
Web Development	30	Virtual server
Web Development	30	Virtual server
Prd	70	Workorder and Billing system process server
Prd	70	Webtrends
Prd\cluster	80	DofA databases
Prd\cluster	80	DofA databases
Prd\support	20	sys logs
Prd\support	30	virus and security update server Prd

Attachment 7
G E&T 1-18-07

DATA CENTER DISC SERVERS
Prepared by Loren Westerdale, DISC Deputy Director

Server Function	Utilization %*	Comment
Prd\web\clustered	15	DAWEB application cluster
Prd\web\clustered	15	DAWEB application cluster
Prd\web\Load balanced	30	DAWEB domain web servers
Prd\web\Load balanced	30	DAWEB domain web servers
Prd\web\Load balanced	30	DAWEB domain web servers
Prd\web\Load balanced	30	DAWEB domain web servers
Test\Sql cluster	80	DofA databases
Test\Sql cluster	80	DofA databases
Test\Support	30	virus and security update server test
Test\Web\Clustered	15	FTP and application cluster
Test\Web\Clustered	15	FTP and application cluster
Test\Web\Load balanced	80	Virtual server - process server
Test\Web\Load balanced	30	Virtual server - web server
Test\Web\Load balanced	30	Virtual server - web server
Test\Web\Load balanced	30	Virtual server - web server
Test\Web\Load balanced	30	Virtual server - web server
Source safe - code for web development	30	Virtual server
Test	40	Webtrends Virtual server
Test real servers	90	Hosts virtual servers
Test real servers	50	Hosts virtual servers
Test real servers	90	Hosts virtual servers
security event database and event collector	40	
security systems application server	60	
security systems scanner	70	per vendor -must be stand alone
proxy filter database and report generator	60	
Microsoft Identity Integration Server	90	
Internet Security and Acceleration	90	
Microsoft Identity Integration Server	90	
Internet Security and Acceleration	90	
front end mail server	90	
front end mail server	90	
back end mail server	90	
back end mail server	90	
back end mail server	90	
certificate server	50	
domain controller	75	
domain controller	75	
domain controller	75	
domain controller	75	
file server	90	
domain controller	75	
domain controller	75	
cluster server	90	
cluster server	90	
security event correlation engine	70	per vendor - must be stand alone
sql server	85	
tivoli server	85	
domain controller	75	
blackberry server	65	
file server	90	
db2 data extractor	70	
db2 data extractor	70	
domain controller	75	
Internet Security and Acceleration	90	
terminal server	75	
tivoli server	90	
Internet Authentication Service	90	
dns server	70	
dns server	70	
network monitor	80	
print server	60	
print server	60	
software update service	60	
software update service	60	

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DATA CENTER DISC SERVERS
Prepared by Loren Westerdale, DISC Deputy Director

Server Function	Utilization %*	Comment
domain controller	75	
domain controller	75	
domain controller	75	
pcdocs, file server, sql	90	
riskmaster, imagenow	80	
software update service	60	
elearning, dhcp relay	80	
remote install server	90	
ftp, file server	85	
metaframe server	90	
radius server	90	
software update service	60	
domain controller	75	
ftp server	60	
metaframe server	90	
terminal server	75	
tumbleweed server	85	
terminal server	75	
certificate server	50	
file server	85	
share point server	50	
sql, file, application	90	
lotus notes, files server	40	
file server	90	
application performance	70	
domain controller	75	
domain controller	75	
file server	90	
file server, domain controller	85	
software update service	60	
file server	60	
Microsoft Identity Integration Server	90	
blackberry server	80	
print server	75	
print server	75	
mail notify server	60	
Internet Security and Acceleration	90	
print server	75	
domain controller	75	
domain controller	75	
domain controller	75	
domain controller	75	
cluster server	90	
cluster server	90	
tumbleweed server	90	
back end mail server	90	
domain controller	75	
domain controller	75	
front end mail server	90	
back end mail server	90	
domain controller	75	
domain controller	75	
domain controller	75	
domain controller	75	
domain controller	75	
domain controller	75	
dns server	80	
dns server	80	
network probe	75	
network probe	75	
network probe	75	
NNM (Open View) 7.5	63%	Network Management System (NMS)
Optivity 10.4.2	75%	Element Management System (EMS)
eHealth main poller	61%	Utilization Monitor (poller)

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Server Function	Utilization %*	Comment
eHealth dmz server	63%	Utilization Monitor (user interface)
nms development server	n/a	Used for development of new applications and testing new code, utilization metrics vary by application
NNM (Open View) 7.5.1	n/a	Product recently acquired, not in production yet, utilization metrics not yet available.
Cisco Works	n/a	Product recently acquired, not in production yet, utilization metrics not yet available.
ftp server	100%	
eHealth mail/utility server	45%	mails user reports (adhoc)
Network Vantage	100%	Network baselining/trouble-shooting tool
Application Vantage	90%	Application baselining/trouble-shooting tool
eHealth working backup	51%	
Ks Securities Commissioner Web server	Unavailable	Statistics cannot be computed.
Ks State Gaming Agency Backup server	Unavailable	Statistics cannot be computed.
Small Agency Support WSUS/Utility server	62	Old Exchange server now used for less critical applications
Small Agency Exchange Server	55	Provides email for 23 small agencies

Other Agencies that support servers in Data Center

Commerce
Corrections
KPERS
Labor
Legislative Svcs
Nursing
Regents
Secretary of State
SRS
Wildlife and Parks

* Utilization % - usage varys from day to day, this percentage represents the peak usage on a regular basis.

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