

Approved: January 28, 2008  
Date

MINUTES OF THE HOUSE GOVERNMENT EFFICIENCY AND TECHNOLOGY COMMITTEE

The meeting was called to order by Chairman Jim Morrison at 3:39 P.M. on January 24, 2008, in Room 526-S of the Capitol.

All members were present except Representatives Johnson, Tapanelli, Wilk, and Frownfelter, all of whom were excused.

Committee staff present:

Mary Galligan, Kansas Legislative Research  
Jennifer Thierer, Kansas Legislative Research  
Rena Jefferies, Office of Revisor of Statutes  
Gary Deeter, Committee Assistant

Conferees appearing before the committee:

Don Heiman, Legislative Chief Information Technology Officer

Others attending:

See attached list.

The Chair welcomed Don Heiman, Legislative Chief Information Technology Officer, who outlined the vision for legislative information technology, saying that KLISS (Kansas Legislative Information System Strategic Plan) will make Kansas a national leader (Attachment 1). He introduced Dave Larson, Director of Legislative Computer Services, and Alan Weis, KLISS Project Manager, and then provided details of the KLISS project, giving the objectives, infrastructure and application status, planned new initiatives, and projected costs.

Mr. Heiman stated that the project was approved by the Legislative Coordinating Council in 2004; currently the infrastructure is being built. The end-user computers have been deployed and the telecommunications network is being built in concert with the Capitol Restoration Project. He noted that the data centers include a production center and a room in House chamber, with an additional Disaster Recovery Center projected to be built in Wichita. When the infrastructure is complete, the Capitol will have 13 hearings rooms, all web-enabled, as well as secure wireless internet access throughout the building and outbound video broadcast capabilities ("K-Span").

Mr. Heiman commented on the software development with vendor Propylon, saying that the 15 modules will be built around three service groupings—law making, chamber automation, and decision support. He said the applications will be integrated using the principle of "no wrong door," making navigation simple and quick for legislative members and the public. He explained that the open standard will simplify modifications and enable a long lifespan for the system.

Providing a cost timeline, Mr. Heiman said the total estimated cost of \$8.9 million will be apportioned over several fiscal years:

- FY 2009, \$2.8 million, already included in the Governor's budget;

## CONTINUATION SHEET

MINUTES OF THE House Government Efficiency and Technology Committee at 3:39 P.M. on January 24, 2008, in Room 526-S of the Capitol.

- FY 2010, \$4 million
- FY 2011, \$2.1 million.

Mr. Heiman responded to members' questions:

- Switching technology will continue to change, but the fiber backbone will hold up for 20-25 years.
- The wireless system includes two levels--guest access and encrypted access, the latter more secure than wired access.
- Presently there are two cameras at the rear of the House chamber, but Mr. Heiman wants to add a third.
- The Strategic Plan includes the ability to conduct electronic town hall meetings from the Capitol.
- The use of Open Office will include training to help staff make adjustments to a new system.

The Chair invited members to try remote testimony through the KAN-Ed network.

Representative McLeland expressed gratitude to Don Heiman and Dave Larson for their work in providing integrated remote meeting sites for the Joint Committee on Information Technology.

The meeting was adjourned at 4:50 p.m. The next meeting is scheduled for Monday, January 28, 2008.



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**KANSAS**

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# Kansas Legislative Strategic Directions

Report to the  
**House Committee on  
Government Efficiency and Technology**

Don Heiman - Legislative Chief Information Officer  
Dave Larson - Director of Legislative Computer Services  
Alan Weis - KLISS Project Manager

January 24, 2008

*Attachment 1  
HGET 1-24-08*

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# Kansas Legislative Strategic Directions

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1-2

## Presentation Overview

- KLISS Vision and Objectives
- KLISS Infrastructure Initiatives and Status
- KLISS Application Initiatives and Status
- KLISS New Initiatives - FY2009 Budget
- KLISS Schedule and Projected Costs

## **Vision for Information Technology**

(Approved by LCC October 2004)

“All IT systems are integrated to one another for speed, efficiency, and accuracy. These integrated systems use technologies that scale and are designed to provide public access to all documents, hearings, and chamber activities.”

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# Kansas Legislature Information Systems Strategic Plan

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1-4

## Objectives

This strategic plan establishes six objectives for the Legislature's IT systems. Those systems will be:

1. fast and accurate while keeping the Legislature's information secure
2. available to users at least 99.99% of the time
3. capable of providing legislators, legislative staff, and the public open access to public legislative information
4. cost-efficient
5. relatively easy to change, both in function and scale, to meet the future needs of the Legislature
6. sufficiently integrated to avoid duplication of effort
7. streamline the delivery of services, information, and documents

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# KLISS Infrastructure Initiatives and Status

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1-5

- Initiatives Cover:
  - End user computing
  - Telecommunications
  - Data Centers
  - Automation Chambers and Hearing Rooms
  - Public Access



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# KLISS Infrastructure Initiatives and Status

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9-1

## End User Computing

- Laptops for Legislators are refreshed every 3 years – implemented
- Staff desktop computing refreshed every 3 years – implemented
- Network Printing – implemented
- Microsoft Office Suite to include MS Outlook option - implemented

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# KLISS Infrastructure Initiatives and Status

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2-1

## Telecommunications

### Initiatives Cover:

- Voice and Data Wiring and Switch Infrastructure
  - East Wing - implemented
  - West Wing - implemented
  - South Wing - designed
  - North Wing - pending
  - Visitor Center – pending
- 1 Gig of bandwidth to the desktop
- Switching allows for unified messaging and is compliant to DISC's network typology
- Uses a fiber backbone for high speed interactive video and supports a self healing LAN architecture
- Allows for voice over IP

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# KLISS Infrastructure Initiatives and Status

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8-1

## Telecommunications

- Wireless – implemented
  - 54 megabits to the laptop
  - 30 plus Wireless Access Points
  - Guest access with credentials issued by the State Librarian
  - User protected access running “Secure W2” protocol in 256 bit encrypted tunnels behind firewalls

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# KLISS Infrastructure Initiatives and Status

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6-1

## Telecommunications

- Closed Circuit Video Pilot - under implementation
  - Encode TV Channels
  - Encode Hearing Rooms
  - Encode House Chamber
  - Allows for outbound video to Cox Communications for distribution to 85 cities (K-span)

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# KLISS Infrastructure Initiatives and Status

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## Data Centers

- Production Data Center - implemented
  - Data Center in SW vault
  - 33 server capacity; 19 servers are now in the center
- House Chamber 411-S Center – implemented
  - ? → – IRC vote management system *13 Servers*
  - IRC vote operator system *Int'l Roll Call - vendor*
  - IRC script operator system
  - IRC Page system
  - IRC media server
  - INK audio media servers
  - Video outbound for broadcast and closed circuit TV
- Wichita Disaster Recovery Center – in design
  - KLISS backup recovery and development center

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# KLISS Infrastructure Initiatives and Status

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## Chambers and Hearing Rooms

- Bi-amp audio in Senate and House chambers – implemented
- Bi-amp audio for hearing rooms – in design
- Interactive video for remote testimony – pilot implemented
- Web casting – pilot implemented
- Pool printers – in design
- Audio/visual monitors – in design

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# KLISS Infrastructure Initiatives and Status

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## Public Access

- Electronic Message Boards – pilot under development
- Kiosks – pilot under development
  - Way fayer system
  - Video streaming from hearing rooms and chamber feeds
  - Legislative and Kansas Government home pages
- Remote Testimony – pilot implemented
- K-span – under development
- Web casting – pilot implemented

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# KLISS Application Core Services

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1-13

Provides access to 15 modules organized around 3 service groupings

- **Law Making**
  - Bill Drafting
  - Bill Amendments
  - Enrolled Bills
  - Statute Creation/Publication
- **Chamber Automation**
  - Bill status and history
  - Calendars (House and Senate)
  - Journals (House and Senate)
  - Messages
- **Decision Support**
  - Bill Explanation
  - Supplemental Notes
  - Financial Impact (fiscal notes)
  - Conference Committee Report Briefs
  - Appropriations Processes
  - Committee Agendas and Minutes
  - Interim Committee Reports



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# KLISS Application Design Features

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- **Highly integrated using the principle of “no wrong door”**
- **No user training required**
- **Full audit trails**
- **Accessible to public with web search**
- **Uses open standards**
- **Editor is free to citizens**
- **Uses push technology and ready for user customization**
- **Allows for print on demand (reduces reliance on print)**

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# KLISS Application Design Features

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1-15

- **Extensible and scalable on a single platform**
- **Reduces reliance on staff for maintenance and modifications**
- **Accessible 24 hours per day from any location**
- **Highly secure – employs a full array of rights management features**
- **Single point of presence for documents – content driven using XML open standards**
- **Promotes electronic democracy**
- **Designed for user customization and interaction**

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# KLISS Application Initiatives and Status

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- Phase 1 – Requirements – Implemented (vendor: XMLAlpha, Inc)
  - 890+ Requirements
  - 1,500 pages of documentation
  - Process reengineered to reduce manual labor and reliance on print
  - Highly secure and integrated
  - Open standards
  - No Wrong Door
  - Bidding process and vendor bakeoff
- Phase 2 – Fit Analysis – Implemented (vendor: Propylon, Inc)
  - Law Making – 61%
  - Chamber Automation – 48%
  - Decision Support – 45%
  - General & Technical – 53%
- Phase 3 – Detail Design - Under development (vendor: Propylon, Inc)
  - Law Making – Completed November 2007
  - Chamber Automation – will complete in March 2008
  - Decision Support – will complete in July 2008
  - Architecture – will complete in August 2008
- Phase 4 – System Build and Conversion – planning started
  - Estimated 36 months to complete
- Phase 5 – Production – not started

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# KLISS New Initiatives - FY2009 Budget

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1-17

- Control Room \$250,000 (for design and pilot equipment)
  - Supports web cast hearing rooms
  - Supports 3-chip camera for television quality outbound video
  - Houses a Multi-point Control Unit (MCU) for Teleconferencing
  - Supports Cobranet for chambers and hearing room audio
  - Houses graphics and text workstations
  - Allows staff to produce DVDs
  - Houses a video archive

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## KLISS New Initiatives - FY2009 Budget

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- Wichita Backup Recovery Center \$400,000
  - Fully conditioned recovery center shared with SRS, KDOT, KDOL, DISC, and WSU. SRS will use a portion of the center for production.
  - Legislature will have a 400 square foot stall for KLISS development and production backup. Sun Solaris 5000 for full recovery. Scalable to 8 engines and code development work.
  - \$51 per square foot per year = \$20,400
  - SAN & Solaris Server = \$379,600
    - 8-10 terabytes.
  - Lights out computing (DISC Staff)

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# KLISS New Initiatives - FY2009 Budget

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81-1

- Data Center Facility Technician \$48,000
  - Maintains Data Centers
    - House Chamber 411-S – 13 computers
    - Statehouse SW Vault Production Center
      - Used to house 19 servers.
    - Wichita Disaster Recovery and Development Center.
  - Manages tape backups, console operations, network device and service monitoring, service logs, temperature control, alert responses, switch configurations, capacity planning, throughput, upgrades, user administration and security.

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# KLISS New Initiatives - FY2009 Budget

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1-20

- KLISS Detail Design Contract \$200,016
  - Legislative Research modules including bill explainers, fiscal notes, supplemental notes, conference committee report briefs, appropriations workflow, meeting minutes and agendas, and interim reports.
  - Technical Architecture and data modeling including Oracle database, document repository, Python, Java code development, and XML OpenOffice templates.

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# KLISS New Initiatives - FY2009 Budget

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1-21

- KLISS Phase 4 Software Build
  - Law Making \$916,620 – FY09 Funding
    - Time frame: 4/1/2009 to 3/31/2010 (estimated 12 Months)
    - Vendor Cost: \$3,500,000 (estimated one time)
    - FY09 Funding of \$916,620 will cover 3 months of build
  - Propylon Law Making License \$1,500,000
    - Amount for Licensing existing Propylon Code
    - No License fee for Chamber Automation or Decisions Support modules.
    - Law Making Software Maintenance Fee: \$225,000 to \$300,000 (annually starting second year)



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# KLISS Schedule and Projected Costs

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1-22

- **Phase 1 – System Requirements/Bid**
  - Status: Complete
  - Time frame: 7/1/2005 to 7/8/2006
  - Vendor costs: \$469,294
  
- **Phase 2 – Fit Analysis**
  - Status: Complete
  - Time frame: 9/1/2006 to 2/28/2007
  - Vendor costs: \$173,740
  
- **Phase 3 – Detail Design**
  - Status: Currently in progress, on schedule and within budget.
  - Time frame: 5/15/2007 to 9/15/2008 (with contingency to 12/31/2008)
  - Vendor costs: \$1,666,800 (with contingency \$1,916,820)

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# KLISS Schedule and Projected Costs

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- **Phase 4 – Software Build and Data Conversion**
  - Status: Planned – Total estimated cost of all modules: \$8,000,000
  - Law Making
    - Time frame: 4/1/2009 to 3/31/2010 (estimated 12 Months)
    - Vendor Cost: \$3,500,000 (estimated one time)
    - Law Making Software License: \$1,500,000 (one time)
    - Law Making Software Maintenance Fee: \$225,000 to \$300,000 (annually)
  - Bill Status and History
    - Time frame: 4/1/2010 to 9/30/2010 (estimated 6 Months)
    - Vendor cost: \$1,500,000 (estimated one time)
  - Chamber Automation and Decision Support Services
    - Time frame: 10/1/2010 to 9/30/2011 (estimated 12 Months)
    - Vendor cost: \$1,500,000 (estimated one time)
  - Phase contingency: 6 months: total phase time – 36 months (estimated)
- **Procurement:** System is a modular design. For this reason all modules do not need to be developed at one time.

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# KLISS Schedule and Projected Costs

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- **Phase 5 – System Implementation**
  - Status: Planned
  - Law Making: ready for 2011 session
  - Bill Status and History: ready for 2011 or 2012 session
  - Chamber Automation: ready for 2012 session
  - Either operate in parallel with current systems or flash cut to new system after implementing model office (mock session)
  - Statehouse Production Data Center \$500,000
    - Production Equipment
  - Wichita Recovery and Development Center \$400,000
    - Development Equipment and one year lease

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# KLISS Schedule and Projected Costs

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- KLISS total estimated costs = \$8,900,000
  - Software build = \$8,000,000
  - Data Centers = \$900,000
- Fiscal Year Budgets
  - FY2009 = \$ 2,816,620
    - Law Making License = \$1,500,000
    - Development Data Center = \$400,000
    - Law Making Software Build (3 months) = \$916,620
  - FY2010 = \$4,000,000
  - FY2011 = \$2,083,380

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**Thank You!**

**The End.**