

**NITC Strategic Initiatives
Action Items**

State Government Efficiency

Action Items - Completed (2004-2005)

Shared Services

- C1. Blackberry service deployed.
- C2. Directory Services: Authentication standard adopted.
- C3. E-mail: Standard for state government revised.
- C4. E-mail: "Basic E-mail" service deployed.
- C5. Enterprise Maintenance / Purchase Agreements: Agreements with IBM (software license; software maintenance; hardware maintenance) and Microsoft (software license); and enterprise approach for Microsoft settlement.

Standards and Guidelines

- C6. Adopted standards and guidelines: Lotus Notes Standard; Lotus Notes Guideline; Identity and Access Management Standard; Web Branding and Policy Consistency Standard; Revised E-mail Standard for State Government Agencies; and GIS Metadata Standard.

Action Items - Proposed for 2006

Shared Services

The State Government Council has identified seven services for further study and potential implementation as a "shared service" for state agencies. Interested agencies are meeting to further develop these services.

- P1. Business Continuity / Disaster Recovery
- P2. Directory Services
(Action items for these shared services are included in the "Security and Business Resumption" initiative.)
- P3. E-mail

Lead	Beverly Bornemeirer
Participating Entities	State Government Council; E-mail Work Group

Timeframe	
Funding	
Status	

P4. Enterprise Maintenance / Purchase Agreements

Lead	Steve Schafer
Participating Entities	State Government Council; EM/PA Work Group
Timeframe	March 2006: Antivirus agreement
Funding	No funding required
Status	- Review of antivirus options underway - Other agreements to be determined

P5. Field Support Services

The Field Support Services work group is looking for avenues to provide better desktop, server, network, and other Information Technology support to staff outside of the Lincoln area.

Lead	Dale Fangmeier
Participating Entities	State Government Council; Field Support Services Work Group
Timeframe	March 31, 2006 - Define shared field support June 30, 2006 - Identify potential areas to do a pilot project December 31, 2006 - Choose and implement a project
Funding	To be determined at time of project selection.
Status	Ongoing

P6. Geographic Information System ("GIS")

P6.1. METADATA. Document existing state agency GIS/geospatial data with formal metadata and encourage the listing of available geospatial data in Nebraska Geospatial Data Center Clearinghouse Catalog.

Lead	Larry Zink, Coordinator, Nebraska GIS Steering Committee
Participating Entities	State Government Council; GIS Steering Committee
Timeframe	December 31, 2006

Funding	\$25,000 grant is likely to be solicited, if grant award is not forthcoming efforts will still be undertaken as resources allow
Status	The NITC has adopted a Geospatial Metadata Standard (http://www.nitc.state.ne.us/standards/data/metadata_standard_20050923.pdf), which calls for the progressive documentation of state agency geospatial data, within a one-year timeframe. The Nebraska Department of Natural Resources, in partnership with the Nebraska GIS Steering Committee, has developed a Nebraska Geospatial Data Center (http://www.dnr.state.ne.us/databank/geospatial.html). This Data Center includes a geospatial data clearinghouse and metadata development tools.

P6.2. STREET CENTERLINE-ADDRESS DATABASE. Develop a plan (including responsibilities and resource requirements) for the coordinated development, data integration, on-going maintenance and online distribution/Internet mapping service of a composite, "best available", statewide street centerline/address database.

Lead	Larry Zink, Coordinator, Nebraska GIS Steering Committee
Participating Entities	State Government Council; GIS Steering Committee
Timeframe	December 31, 2006
Funding	Investments are planned or currently being made in this data by the Public Service Commission, the State Patrol, and the Dept. of Roads. It is hoped that within these agencies the needed funds can be found to underwrite any interagency planning costs.
Status	The Public Service Commission (Enhanced E911), the State Patrol (statewide computer-aided dispatch), the Dept. of Roads (highway planning and maintenance and accident reporting), and the Dept. of Revenue (Internet and catalog sales tax collection) all have current initiatives that require current statewide street centerline/address databases. In addition, there are numerous other state agency applications that require this data: homeland security, bioterrorism, health and social services delivery, economic development, etc. Under the auspices of the GIS Steering Committee and the CIO, initial meetings have been held with some parties to encourage and facilitate coordination of investments in data development. Further work is needed to develop a plan to insure statewide development, data integration, on-going maintenance, and arrangements for online distribution.

P6.3. INTERNET MAPPING SERVICES. Develop a plan for the coordinated delivery of Internet mapping services by state agencies, with the objectives of making GIS services and existing GIS/geospatial data readily available to a broader array of agencies, improving data access and services to the public, minimizing unnecessary duplication of effort, providing data and system backup, and where appropriate, provide for a coordinated security system, including the possibility for limited data access and password protection.

Lead	Larry Zink, Coordinator, Nebraska GIS Steering Committee
Participating Entities	State Government Council; GIS Steering Committee
Timeframe	December 31, 2006
Funding	Initial planning should be possible with existing resources available for agencies currently providing or developing Internet mapping services. More detailed planning and implement may require additional resources, which would become clearly as a result of the initial planning.
Status	A number of state agencies already have or are investing in the development of Internet mapping services: Dept. of Natural Resources, Dept of Roads, Game and Parks Commission, CALMIT-UNL, Dept. of Environmental Quality, Health and Human Services System, Emergency Management Agency and others. In addition to some agency-specific geospatial databases, most of these agency Internet mapping services rely in several geospatial databases that are common to each other (aerial imagery, street centerlines/addresses, political subdivision maps, elevation data, surface water features, etc.). If properly configured, the technology allows for the live, interactive access and sharing of data from multiple Internet map servers. The technology also allows others to leverage these existing state investments in Internet map services by building new applications, which incorporate the existence of these Internet map servers into their application design. If properly configured, the technology also enables the interactive access of data from existing Internet map servers provided by local and federal agencies and the private sector.

P7. Storage Area Network (“SAN”)

This service provides a storage area network (SAN) for server-based systems. A SAN consists of storage devices and servers connected by high speed networks, usually fiber optic channels. Connectivity, reliability and switching capabilities are key characteristics of a SAN. The purpose of a SAN is to provide network-attached data storage that is scalable and serves multiple applications.

The server-based SAN includes four service options:

1. Storage
2. Access via iSCSI Connection
3. Access via Host Bus Adapter (HBA) Connection
4. Virtual Server (a partition within the SAN storage unit)

In combination, these four service options will support many potential configurations. An agency can connect its server to the SAN storage unit through the state's network using the common iSCSI network interface card. Data transfer is at local area network speeds for servers on the state's campus network. Faster transfer rates are possible by installing a HBA adapter in the agency's server and connecting it to the SAN storage unit via fiber optic cable. This option requires an initial investment in the HBA adapter and purchase or lease of fiber. The server with the HBA adapter must be located within 2 kilometers of the SAN storage unit. An agency can avoid the cost of fiber by locating its server in the server farm located in the

501 Building. Yet another option is to pay for a virtual server within the SAN unit, instead of maintaining a physically separate server.

Lead	Jeff Dean
Participating Entities	State Government Council
Timeframe	SAN for server-based systems will be deployed by April 27, 2006
Funding	Funding is through DOC revolving funds and rates will be established.
Status	<ul style="list-style-type: none"> - Receipt of SAN is expected by January 2006 - Essential MOU's are in place - Tentative Rates have been set - Begin moving customers to new SAN Fabric by February 2006

Standards and Guidelines

- P8. The State Government Council ("SGC"), working with the Technical Panel, will continue to develop standards and guidelines to better coordinate state agency technology efforts.

Lead	Rick Becker
Participating Entities	Technical Panel; State Government Council
Timeframe	Ongoing
Funding	None
Status	<p>Generally, the following process is followed for each proposed standard or guideline affecting state government agencies:</p> <ol style="list-style-type: none"> 1. The SGC, or another entity, identifies a technology or practice for which a standard or guideline would be beneficial 2. Draft document created 3. SGC reviews and makes recommendation 4. Technical Panel reviews and posts the draft document for a 30-day comment period 5. Technical Panel reviews comments received and makes a recommendation to the NITC 6. NITC reviews proposed standard or guideline and takes action

IT Project Review Process

The State Government Council (“SGC”) and Technical Panel will review and recommend improvements to the IT project review process.

- P9. Review and revise the “Agency Information Technology Plan” form, which is completed by agencies prior to each biennial budget cycle.

Lead	Rick Becker
Participating Entities	Technical Panel; State Government Council
Timeframe	February 2006: SGC and Technical Panel review existing form and recommend changes March 2006: SGC and Technical Panel approve revisions
Funding	None
Status	New action item

- P10. Review and revise IT project review process for agency budget requests.

Lead	Rick Becker
Participating Entities	Technical Panel; State Government Council
Timeframe	April 2006: SGC and Technical Panel review IT project review process, including the project proposal form, and recommend changes May 2006: SGC and Technical Panel approve revised form and review process
Funding	None
Status	New action item

- P11. Review and revise procurement review process for IT related purchases by state agencies.

Lead	Steve Schafer
Participating Entities	State Government Council
Timeframe	Work beginning in Summer 2006
Funding	None
Status	New action item

Action Items - Future

F1. Services identified as potential "shared services" by the State Government Council:

- Active Directory
- Automated Building Systems (HVAC, access, etc.)
- Backup Management
- Data Network Design
- Data Security
- Database Management
- Desktop Support
- Document Management
- Electronic Filing
- Electronic Records Management
- Encryption
- Enterprise Knowledge Management Databases
- General Platform Management
- Help Desk
- Instant Messaging
- Interactive VRU Applications
- Lotus Domino Design and Development
- Payment Portal
- Project Management
- R&D
- Remote Access
- Secure eFax
- Security
- Server Consolidation / Virtual Servers
- Software Deployment and Management
- SQL Database Design and Development
- Videoconferencing
- Voice Network Design
- VoIP
- Wireless
- Wiring Services
- Workflow