

NITC Strategic Initiatives

2014-2016

Network Nebraska Strategic Initiative Action Items (Recommendations for 2014-2016)

1. Identify Tier II communities that offer opportunities for aggregation for services onto the network.

1a. Action: Education entities will act as primary tenants to encourage the aggregation of data transport by public libraries through leased circuits.

Lead: K-12 districts, ESUs, colleges/universities

Participating Entities: Specific communities, Office of the Chief Information Officer, NITC Education Council, Nebraska Library Commission, and public libraries

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation with minor revisions

2. The Chief Information Officer will continue the LB 1208 implementation by annually bidding infrastructure and connectivity for new regions of participants and developing the most cost-effective and efficient support structure possible for the statewide network.

2a. Action: The Chief Information Officer will encourage the use of the State master purchase contracts for edge devices and other equipment and monitor the local site purchases of such equipment in order to promote and encourage network equipment standardization.

Lead: Office of the Chief Information Officer

Participating Entities: Office of the Chief Information Officer, ESU-NOC, Education Council, Network Nebraska-Education Advisory Group

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation with minor revisions

3. Offer Internet I services to eligible network participants.

3a. Action: The Collaborative Aggregation Partnership (CAP) will accept new orders for Internet service and continue to aggregate purchasing demand to secure a more economical price for statewide Internet service.

Lead: Network Nebraska (CAP)

Participating Entities: Office of the Chief Information Officer, NITC Education Council, ESU-NOC, Higher Education Entities, Network Nebraska-Education Advisory Group

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation

4. Prepare for the future of Network Nebraska as a statewide, multipurpose, high capacity, scalable telecommunications network that shall meet the demand of state agencies, local governments, and educational entities as defined in section 79-1201.01.

4a. Action: Develop appropriate participation criteria (e.g. type of entity, bandwidth expectations, differential fees) for Network Nebraska to serve all network participants (i.e. public/nonpublic K-12, public/nonpublic higher education, public libraries, others).

Lead: Network Nebraska—Education Advisory Group

Participating Entities: Network Nebraska (CAP), NITC Education Council

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation with minor revisions

4b. Action: Develop a catalog of services for Network Nebraska participants.

Lead: Network Nebraska—Education Advisory Group

Participating Entities: NITC Education Council, Network Nebraska (CAP)

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation with minor revisions

4c. Action: Bi-annually reissue the Network Nebraska Marketing Survey and subsequent Report to help steer the strategic direction of Network Nebraska—Education.

Lead: Education Council Marketing Task Group

Participating Entities: Network Nebraska—Education Advisory Group.

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation with minor revisions

4d. Action: Annually update the Network Nebraska Marketing Plan.

Lead: Education Council Marketing Task Group

Participating Entities: Network Nebraska—Education Advisory Group.

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation

4e. Action: Facilitate the implementation and training of IPv6 routing on a timely basis across all Network Nebraska entities.

Participating Entities: Network Nebraska (CAP), Office of the Chief Information Officer, Network Nebraska-Education Advisory Group, ESU-NOC, higher education entities

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time.

Status: Continuation

4f. Action: Address the need for multiple Internet egress points and redundant transport pathways within the Network Nebraska backbone.

Lead: Network Nebraska—Education Advisory Group

Participating Entities: Collaborative Aggregation Partnership, Education Council Services Task Group, ESU Network Operations Committee

Timeframe: 2014-2016

Funding: Substantial funding may be required for this action item

Status: New

Network Nebraska Strategic Initiative Action Items (COMPLETED)

Action: The Network Nebraska network design/support team will develop a service level agreement with local and regional education entities in order to develop a cooperative support system for the statewide education network that will insure data transport and synchronous video reliability.

Lead: Network Nebraska (CAP)

Participating Entities: Network Nebraska—Education Advisory Group, ESU-NOC, Higher education entities, NITC Education Council

Timeframe: 2012-2014

Funding: No funding requested for this action item at this time.

Status: Completed

Action: Develop and deploy an enterprise MCU bridging service for Network Nebraska participants.

Lead: Office of the Chief Information Officer

Participating Entities: Network Nebraska (CAP), Network Nebraska-Education Advisory Group, ESU Coordinating Council, ESUs, higher education entities

Timeframe: 2012-2014

Funding: No funding requested for this action item at this time.

Status: Completed

Network Nebraska Strategic Initiative Action Items (DISCONTINUED)

Action: The CAP will work with communities that express an interest in aggregating their public sector data transport.

Lead: Network Nebraska (CAP)

Participating Entities: Specific communities, NITC Education Council, Nebraska League of Municipalities, Nebraska Association of County Officials, and public libraries

Timeframe: 2012-2014

Funding: No funding requested for this action item at this time.

Status: Discontinued

Community IT Planning and Development Strategic Initiative Action Item (Recommendations for 2014-2016)

- 1. Action: Support the development of a state broadband plan in partnership with the Nebraska Public Service Commission, University of Nebraska-Lincoln Extension and Center for Applied Rural Innovation, Nebraska Department of Economic Development, and the AIM Institute, and other interested stakeholders.**

Lead: NITC Community Council

Participating Entities: NITC Community Council, Nebraska Public Service Commission, University of Nebraska-Lincoln Extension and Center for Applied Rural Innovation, Nebraska Department of Economic Development, the AIM Institute, and other interested stakeholders.

Timeframe: 2014

Funding: Nebraska Public Service Commission's broadband mapping and planning grant

Status: New

eHealth Strategic Initiative Action Items (Recommendations for 2014-2016)

- 1. Action: Support the development of statewide health information exchange through the State HIE Cooperative Agreement Program, including developing strategic and operational plans, overseeing implementation, and conducting an evaluation.**

Lead: eHealth Council

Participating Entities: eHealth Council, eBHIN, UNMC evaluation team, and others

Timeframe: First quarter, 2014

Funding: State HIE Cooperative Agreement Program

Status: Continuation

- 2. Action: Monitor developments in health information exchange (including Direct, consumer eHealth, and e-prescribing controlled substances) and, when appropriate, work with stakeholders to support these efforts.**

Lead: eHealth Council

Participating Entities: eHealth Council, NeHII, eBHIN, E-Prescribing Work Group and others

Timeframe: 2014-2016

Funding: Leveraging existing resources

Status: New

Public Safety Communications System Strategic Initiative Action Item (Recommendations for 2014-2016)

1. Action: OCIO-Network Services will continue to work with non-state public safety entities for the purposes of interoperability.

Lead: OCIO-Network Services

Participating Entities: Local and federal agencies

Timeframe: Ongoing

Funding: A rate structure has been put in place by NPPD and the OCIO for the purposes of funding any new users.

Status: New

Digital Education Strategic Initiative Action Items (Recommendations for 2014-2016)

- 1. Action: Promote the usage of the National Repository for Online Courses (NROC) content by Nebraska educators.**

Lead: ESU Coordinating Council

Participating Entities: NITC Education Council

Timeframe: 2014-2016

Funding: Some funding will be required to complete this action item.

Status: Continuation with minor revisions

- 2. Action: Fully deploy a statewide digital content repository interface that allows the assignment of digital property rights and the uploading, cataloguing, metatagging, searching, and downloading of digital learning objects by Nebraska educators.**

Lead: Nebraska Educational Telecommunications (NET) & ESU Coordinating Council

Participating Entities: Nebraska Department of Education, Education Council Services Task Group, ESU Instructional Materials Committee, ESU Distance Education Advisory Committee

Timeframe: 2014-2016

Funding: Considerable funding will be required to complete this action item.

Status: Continuation with minor revisions

- 3. Action: Develop and deploy a statewide learning management system for every K-12 teacher and learner, grades 6-12.**

Lead: ESU Coordinating Council

Participating Entities: NITC Education Council, ESU Technology Affiliate Group

Timeframe: 2014-2016

Funding: Considerable funding will be required to complete this action item.

Status: Continuation with minor revisions

4. Action: Train teachers in effective instructional design to integrate synchronous and asynchronous technologies.

Lead: ESU Coordinating Council

Participating Entities: NITC Education Council, ESU Technology Affiliate Group

Timeframe: 2014-2016

Funding: Some funding will be required to complete this action item.

Status: Continuation with minor revisions

5. Action: Coordinate and facilitate a statewide directory services federation effort that will enable students and teachers a single sign-on to associated learning management services and content management resources.

Lead: ESU Coordinating Council & Nebraska Department of Education (NDE)

Participating Entities: ESU-NOC, ESU-IMAT, UNCSN

Timeframe: 2014-2016

Funding: Some funding will be required for this action item

Status: Continuation with minor revisions

6. Action: Coordinate and facilitate a statewide data dashboard system that allows teachers and administrators the ability to merge local achievement data with statewide testing data to depict each student's academic progress.

Lead: Nebraska Department of Education

Participating Entities: ESUCC

Timeframe: 2014-2016

Funding: Substantial funding may be required for this action item

Status: New

7. Action: Research the potential feasibility of a software-based, individualized education plan for every Nebraska K-12 student that shows their progress on every state academic standard.

Lead: Nebraska Department of Education

Participating Entities: ESUCC

Timeframe: 2014-2016

Funding: No funding required for this action item

Status: New

8. Action: Provide guidelines for cooperation between K-12 and higher education institutions regarding K-12 students who are taking dual-credit courses using remote learning technologies.

Lead: ESU Distance Education Advisory Committee

Participating Entities: Nebraska Community Colleges, Nebraska State Colleges, University of Nebraska, Coordinating Commission for Postsecondary Education

Timeframe: 2014-2016

Funding: No funding required for this action item

Status: New

9. Action: Provide professional development in a "flipped learning" concept where the teaching is done on-line to provide professional developers a greater opportunity for coaching and mentoring activities during the in-person contact time.

Lead: ESU Technology Affiliate Group

Participating Entities: ESU Staff Development Affiliate

Timeframe: 2014-2016

Funding: No funding required for this action item

Status: New

Digital Education Strategic Initiative Action Items (DISCONTINUED)

Action. Set a deadline, and establish standard(s) related to the deployment, administration and maintenance of content management systems by K-12 schools.

Lead: NITC Technical Panel

Participating Entities: ESU Coordinating Council, Distance Education Council, Nebraska Educational Telecommunications

Timeframe: 2012-2014

Funding: No funding is requested for this action item at this time.

Status: Discontinued

State Government Efficiency Strategic Initiative Action Items (Recommendations for 2014-2016)

Shared Services

1. Action: Implement Enterprise Maintenance / Purchase Agreements as a shared service.

Lead: Steve Schafer

Participating Entities: State Government Council

Timeframe: Ongoing

Funding: No funding required.

Status: Continuation

The Office of the CIO manages or supports several enterprise agreements that benefit state agencies. These include:

- Adobe: an enterprise agreement with Adobe qualifies state agencies for a discount.
- Enterprise Content Management (ECM) solutions development: the Office of the CIO has worked with the firm that holds the contract for ECM support to reduce the hourly cost of solution analysts by 29% (from \$180 per hour to \$128 per hour).
- IBM: The annual agreement with IBM has the potential to provide substantial discounts for new purchases of software that benefit all agencies.
- Long Distance: Current contracts for long distance service are saving agencies 14% on long distance calls and toll free calls with Windstream and 12% on use of Language Line interpretation services.
- Microsoft: The Microsoft Enterprise Agreement provides discounted pricing for Microsoft Office, Windows Enterprise, and the licenses for email and collaboration services. Agencies representing more than 98% of desktops elected to participate in the Microsoft EA for the FY2014 / FY2015 biennium.
- WSCA: The Office of the CIO and the Materiel Division also began participating in the Premium Savings Package of the Western States Contracting Alliance (WSCA). This gives state agencies discounts on standard configurations of PCs and laptops of as much as 46% compared to normal pricing.
- WSCA Software reseller: The State of Nebraska is a participant in a the WSCA contract for Software Value Added Reseller (VAR) Services. This provides better pricing and streamlined purchases on an extensive list of software manufacturers and products.

2. Action: Explore opportunities and options relating to desktop and server virtualization in state government.

Lead: State Government Council

Participating Entities: State Government Council and Technical Panel

Timeframe: Ongoing

Funding: None

Status: Continuation. There has been much progress made in the last year towards an enterprise centralized virtual server environment.

Standards and Guidelines

3. Action: The State Government Council 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: Ongoing.

New and revised standards and guidelines adopted in 2012-2013:

- NITC 5-101: Enterprise Content Management System for State Agencies;
- NITC 7-301: Wireless Local Area Network Standard;
- NITC 1-201: Agency Information Technology Plan - Attachment A (IT Plan Form);
- NITC 1-202: Project Review Process - Attachment B (Project Proposal Form);
- NITC 7-104: Web Domain Name Standard;
- NITC 8-101: Information Security Policy;
- NITC 4-201: Web Branding and Policy Consistency;
- NITC 8-301: Password Standard; and
- NITC 5-401: Active Directory; User Photographs.

State Government Efficiency Strategic Initiative Action Items (FUTURE)

1. Services identified as potential shared services by the State Government Council include:

- Active Directory
- Automated Building Systems (HVAC, access, etc.)
- Backup Management
- Database Management
- Desktop Support
- Electronic Filing
- Encryption
- Enterprise Knowledge Management Databases
- General Platform Management
- Help Desk
- Payment Portal
- Project Management
- R&D
- Remote Access
- Software Deployment and Management
- SQL Database Design and Development
- Voice Network Design
- VoIP
- Wireless
- Wiring Services

E-Government Strategic Initiative Action Items (Recommendations for 2014-2016)

- 1. Action: Provide better mobile browsing access and functionality for state government websites, including offering mobile apps when suitable.**

Lead: State Government Council

Participating Entities: Office of the CIO, Webmasters Workgroup

Timeframe: 2014-2016

Funding: None

Status: Continuation with minor revisions

- 2. Action: Provide for better access to information and services from the OCIO by providing descriptions of all services through a web-based services catalog.**

Lead: Steve Schafer

Participating Entities: Office of the CIO, State Government Council

Timeframe: 2014

Funding: None

Status: Continuation

- 3. Action: Annually review and update the content of the Education Portal on the State of Nebraska website.**

Lead: Education Council Marketing Task Group

Participating Entities: Nebraska.gov (Nebraska Interactive LLC)

Timeframe: 2014-2016

Funding: No funding requested for this action item at this time

Status: Continuation with minor revisions

Security and Business Resumption Strategic Initiative Action Items (Recommendations for 2014-2016)

Security

- 1. Action: Review and revise policies and procedures relating to identity management and directory services.**

Lead: State Information Security Officer

Participating Entities: State Government Council, Security Work Group

Timeframe: 2014-2016

Funding: No funding required.

Status: Continuation

- 2. Action: Develop policies and standards relating to the hosting of State data by vendors.**

Lead: State Information Security Officer

Participating Entities: State Government Council, Security Work Group

Timeframe: 2014-2016

Funding: No funding required.

Status: Continuation

Business Resumption

- 3. Action: Implement shared disaster recovery facilities.**

Lead: Office of the CIO and University of Nebraska

Participating Entities: State Government Council

Timeframe: Ongoing

Funding: The cost and source of funding have not been determined.

Status: Continuation.

Mission critical systems have three common requirements: 1) Recovery times must be measured in hours, not days or weeks. 2) Recovery facilities should be physically separated so that they will not be affected by a single disaster. 3) There must be staff available to assist with the recovery efforts. Achieving these requirements is very expensive. Sharing disaster recovery facilities and establishing a collaborative approach to disaster recovery is one strategy for managing costs. The Office of the CIO and the University of Nebraska are jointly developing a fast recovery capability using mutual assistance of physically separated data

centers.

An alternate site providing greater geographical separation has been established. The University of Nebraska and the Office of the CIO have acted on two important items:

- Established a fiber optic communications link between the University and State enterprise server primary sites located in Lincoln and an alternate site that provides greater geographic separation.
- Acquired and implemented an enterprise server that can provide backup and execute assigned processing loads.
- Establish a location at the University of Nebraska which will serve as a redundant site to the enterprise virtual and storage environments.
- Establish a separate fiber communication path to the University of Nebraska to provide redundancy for the enterprise virtual and storage environments.

The acquisition and implementation of both items are complete. The University and the State not only have their critical data mirrored at a geographically separated site, but are working toward the capability, at the alternate site, to continue the most critical enterprise server production processing with less than 10 hours interruption.

The University of Nebraska and the Office of the CIO will continue to:

- Develop plans and procedures for fast recovery capability using the mutual assistance of physically separated data centers.
- Develop a capabilities-based all-hazards approach to a multi-year exercise program to evaluate plans, procedures and infrastructure associated with the alternate site. The purpose of this exercise program will be to measure and validate performance of capabilities and critical tasks.
- Maintain and exercise the operating system on the enterprise server to insure compatibility between locations.
- Identify business applications to be tested and operated from the alternate location.
- The location and separate fiber communications for the enterprise virtual and storage environments have both been completed.

4. Action: Promote disaster planning for information technology systems, including developing elements of a common planning document and developing an approach for common governance during an event.

Lead: Jim Ohmberger / Greg Carstens

Participating Entities: State Government Council

Timeframe: Ongoing

Funding: No funding required.

Status: Continuation.

Work continues with agencies, the Office of the CIO and Nebraska Emergency Management Agency to understand and refine the implementation of the incident command system and its interactions with the State EOC. Work to integrate continuity of operations, disaster recovery, emergency operations and emergency action plans will be advanced by establishing a working group within the State Government Council.

Nebraska Spatial Data Infrastructure Strategic Initiative Action Items (Recommendations for 2014-2016)

1. Action: Formalize the definition of the Nebraska Spatial Data Infrastructure (NESDI) and data stewardship

GIS assists in solving complex issues by providing the ability to understand spatial relationships among various spatial data sets. In many cases, the spatial analysis capabilities of a GIS can identify trends from among many datasets to solve problems. Selected datasets have such widespread utility in a GIS that they have been identified as “Framework Datasets” and due to their significance are accorded special attention by the GIS community. Traditionally, these data sets have been developed independently for a relatively narrow range of purposes however; the use of geospatial data and the range of applications it is used for is growing rapidly. This places increasing demands on individual data in terms of accuracy and completeness, and especially upon those inherent spatial relationships among datasets.

This action item will begin to better define the NESDI and identify the necessary relationships among the various NESDI data layers. The document will provide an illustration of the “Big picture” of Nebraska’s framework including a:

- Common understanding of framework
- Context for prioritizing the components of the framework
- Context and justification for future funding requests
- Basis for ID of potential stewards and stewardship roles and responsibilities

The context of the framework themes will be explored at the local, state, regional and national levels. This will benefit the overall coordination, development, revision and promulgation of the relationships among various GIS framework data standards. It will aid in development, implementation and revision of stewardship guidance and procedures for the various GIS framework themes. In addition, it will provide additional direction on NESDI governance, management practices, policy development, and outreach with the statewide community.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: GIS Council, NESDI Data Stewards

Timeframe: 2014

Funding: None

Status: New

2. Action: Geodetic and Survey Control Inventory and Assessment

Considerations for geodetic and survey control needs to be taken into account for good quality data to exist in the future for several of the NESDI framework layers. Particularly, if multiple data sets are used in combinations for analysis and decision making. Some of our current data sets were created for a specific purpose with given budgets. As the adoption and use of the data has grown there are other needs for the data. This also has an implication on the level of spatial accuracy needed for the data to be useful. A careful examination of our current survey and geodetic control data will be inventoried and assessed across the state based on various criteria for its use in the development of other NESDI framework layers. Identify methods and linkages through NebraskaMAP to communicate and provide access to relevant data to users and stakeholders.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: Nebraska Department of Natural Resources, Nebraska Department of Roads, State Surveyors Office, various Licensed Land Surveyors, Federal Partners including NOAA – National Geodetic Survey and Army Corp of Engineers

Timeframe: 2014-2016

Funding: None

Status: New

3. Action: Nebraska Statewide Elevation Program

Surface elevation databases are a critically important geospatial database for a wide range of GIS applications and as such have been determined to be a priority database for development by the GIS Council. Elevation databases have been determined by the Federal Geographic Data Committee (FGDC) to be a Framework Database because their use by a wide cross-section of geospatial data users. LiDAR (Light Detection and Ranging) is a proven remote sensing technology that enables the efficient collection of highly accurate surface elevation data for large geographic areas. This dataset serves as a basis for other derived geospatial data products in it's relationship to the overall NESDI. More importantly strengthens the geodetic control context for the development of other framework layers. Pursuant to the objectives outlined in the Strategic Plan, the GIS Council is responsible for identifying and coordinating the use of digital elevation LiDAR technologies to develop enhanced surface elevation data for Nebraska. This involves: a) an assessment of the current status and perceived adequacy of existing Nebraska surface elevation data, relative to the perceived short and intermediate-term needs; b) an exploration and documentation of the likely costs and benefits of utilizing LIDAR technology to collect enhanced surface elevation data for large geographic areas of Nebraska; c) recommendations related to possible future Nebraska LIDAR initiatives including technical standards, possible lead agencies, funding strategies, and timelines; and d) identify methods and linkages through NebraskaMAP to communicate and provide access to relevant data to users and stakeholders.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: Nebraska Department of Natural Resources, Nebraska Department of Roads, Nebraska Natural Resource Districts, Public Power Entities, Federal Partners including Army Corp of Engineers, USGS, USDA-NRCS, and USDA-FSA.

Timeframe: Implementation timeline determined by Business Plan

Funding: Business plan underway to determine total project costs.

Status: Continuation with revisions

4. Action: Nebraska Statewide Imagery Program

Imagery is a required spatial data framework layer needed for a multitude of mapping applications. It is important that imagery is accurate, current, and easily accessible to end users. This dataset serves as a basis for other derived geospatial data products in its relationship to the overall Nebraska Spatial Data Infrastructure (NESDI). The acquisition of updated, orthorectified (corrected for camera tilt and the slope of the earth's surface) imagery requires a significant public investment, but if done collaboratively, on a regular periodic basis, these costs can be minimized and shared across a broad user community. It is expected that this effort will largely be integrated into the larger Nebraska GIS Strategic Planning process. Efforts will be made to learn from, and build on, existing collaborative imagery acquisition efforts such as the Nebraska-Iowa Regional Orthoimagery Consortium (NIROC) and the USDA Farm Services Agency – National Aerial Imagery Program (NAIP). Research and develop recommendations for standards, policies, infrastructure, and funding to support collaborative efforts by state, local and federal agencies to periodically acquire updated orthoimagery. Identify methods and linkages through NebraskaMAP to communicate and provide access to relevant data to users and stakeholders.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: Nebraska Department of Natural Resources, Nebraska Department of Roads, Nebraska Natural Resource Districts, Public Power Entities, City and County Governments, Federal Partners including USGS, and USDA-FSA.

Timeframe: Implementation timeline determined by Business Plan

Funding: Business plan underway to determine total project costs.

Status: Continuation with revisions

5. Action: Street Centerline-Address Database

Develop and maintain a statewide seamless street centerline and address referencing system used for various transportation, public safety (ie, NexGEN 911), economic development and other related applications. Initiate assessment of current street centerline data. Implement a data model and workflow guidelines for QA/QC of existing and future maintenance of street centerline data. Develop data model for address points and use of data in relationship to street centerlines and other NESDI framework layers. Further develop partnership efforts that support NexGEN 911 or combinations thereof who needs to be involved in the process of using street centerline and address point data. Research and develop recommendations for

standards, policies, infrastructure, and funding to support collaborative efforts by state, local and federal agencies to periodically acquire updated a seamless street centerline-address database. Identify methods and linkages through NebraskaMAP to communicate and provide access to relevant data to users and stakeholders.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: GIS Council, State Government Council, Nebraska Department of Roads, E 9-1-1 community

Timeframe: Implementation timeline determined by Business Plan

Funding: Business plan underway to determine total project costs.

Status: Continuation with revisions

An interagency working group of the GIS Council developed draft guidelines for the integration of street centerline-address data from multiple sources into a composite statewide dataset. The staff of the NebraskaMAP project, with limited funding available from NEMA and the State Patrol, developed an initial composite statewide dataset following these draft guidelines. This initial composite dataset was completed in early 2010 and it involved the integration of data from the Public Service Commission's E911 efforts, Douglas, Sarpy and Lancaster Counties, and the Department of Roads. This dataset is approaching 4 years old and more current data has been developed from all of the original data providers. All of the original data providers are willing to share their more recent street centerline-address data. There are future needs of geospatial data for use in NexGEN 9-1-1. This brings about challenges to finalize a broadly accepted data model, identify a lead agency, find the funding required, and the development of the interagency agreements necessary to support the ongoing maintenance of this critical dataset.

6. Action: Statewide Land Record Information System

Develop an integrated statewide land records system capable of providing reliable online access to this critical data, maintaining restricted privacy access as necessary, and supporting a variety of applications by multiple agencies. Develop guidelines for a common geodatabase model that can provide public data for use in a multitude of state government applications. Implement a geodatabase model to maintain baseline data. Work with local governments, state agencies, and the private sector to develop a collaborative plan, standards/guidelines, and the infrastructure necessary to encourage and facilitate the ongoing integration of separately-maintained state, city, and county land records. Develop data workflows with local county assessors to obtain parcel (spatial and attribute) data for use in various state government applications. Revise the current NITC Land Record Information and Mapping Standards that have been adopted with the goal of enabling the integration of local government land records into a statewide dataset. Identify methods and linkages through NebraskaMAP to communicate and provide access to relevant data to users and stakeholders.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: GIS Council, State Surveyors Office, Department of Revenue, County

Assessors, and various licensed Land Surveyors

Timeframe: Implementation timeline determined by Business Plan

Funding: Business plan underway to determine total project costs.

Status: Continuation with revisions

7. Action: NebraskaMAP - A Geospatial Data Sharing and Web Services Network

Enhance NebraskaMAP beyond its current geoportal status to an enterprise-level geospatial platform. Provide necessary communication and mechanisms for public and private access to peer-reviewed Nebraska SDI data, maps, and GIS web services. NebraskaMAP started as a metadata portal to inventory and provide linkages to several data sets. Enhancements will involve expanding services to upload, review and share NESDI data either through direct download, REST services, or accessing through web services. This system would also provide conduit to authoritative data sets, linked and shared base maps to reduce data storage costs, and a coordinated security system, including the possibility for limited data access and password protection for specific data sets.

Lead: State GIS Coordinator, GIS Council Representatives

Participating Entities: GIS Council, State Agencies, State Government Council

Timeframe: Implementation timeline determined by Business Plan

Funding: Business plan underway to determine total project costs.

Status: Continuation with revisions

Nebraska Spatial Data Infrastructure Strategic Initiative Action Items (COMPLETED)

Action: Statewide Geospatial Infrastructure Strategic Planning.

Develop an enterprise-level, statewide, GIS/geospatial infrastructure strategic plan for the geographic area of Nebraska. The planning process involved the broader GIS user community (state, local, and federal agencies, tribes and the private sector) and sought to identify parallel needs and plans for geospatial data, standards, online distribution networks and services, coordination, funding, and policies.

Lead: NITC GIS Administrative Manager, GIS Council Representatives

Participating Entities: GIS Council, various statewide stakeholders

Timeframe: 2012

Funding: This effort was initiated through the NITC GIS Council Strategic Planning Committee. Resources to support the planning process has been made possible through a cooperative grant effort called the Fifty States Initiative implemented between the Federal Geographic Data Committee (FGDC) and the National States Geographic Information Council (NSGIC). The grant provided \$50,000 to hire a consultant, Applied Geographics, Inc. to facilitate and develop the strategic planning process and report.

Status: Completed