



NITC Meeting Agenda

Tuesday, December 10, 2013 at 9:00AM

Main Site

Lincoln Executive Building
521 South 14th Street – Room 103
Lincoln, NE

Video Conference Sites [NEB. REV. STAT. § 84-1411(2)]

- South Sioux City–Administration Offices
1615 1st Avenue
South Sioux City, NE
- Schuyler High School–Central Office
401 Adam Street
Schuyler, NE
- University of Nebraska–Kearney Founders Hall – Warner Conference Room
2504 9th Avenue
Kearney, NE
- Educational Service Unit #16
1221 West 17th Street
North Platte, NE

Meeting Documents (PDF – 77 pages, does not include documents linked in #11)

- 9:00 AM **1. Roll Call, Notice of Meeting & Open Meetings Act Information**
2. Approval of Minutes - July 31, 2013*
3. Public Comment

- 9:05 AM **4. Statewide Technology Plan - Approval of Action Items***

- 9:15 AM Reports from the Councils and Technical Panel

5. State Government Council

A. Standards and Guidelines

1. NITC 4-201: Web Branding and Policy Consistency*
 - Technical Panel Recommendation: Approve
 - State Government Council Recommendation: Approve
2. NITC 5-401: Active Directory; User Photographs*
 - Technical Panel Recommendation: Approve
 - State Government Council Recommendation: Approve
3. NITC 8-101: Information Security Policy*
 - Technical Panel Recommendation: Approve
 - State Government Council Recommendation: Approve
4. NITC 8-301: Password Standard*
 - Technical Panel Recommendation: Approve
 - State Government Council Recommendation: Approve

6. Community Council - Report

- A. Community Council and State Broadband Plan Update
- B. Membership*

7. eHealth Council - Report

- A. eHealth Council and State HIE Cooperative Agreement Update**
- B. Membership***

8. Education Council

- A. Network Nebraska Update**
- B. Digital Education Update**

9. GIS Council - Report

- A. Next Generation 911**
- B. Business Plan Update**
- C. Membership***

10. Technical Panel

- A. Project Reviews - 2014 Deficit Budget Requests* (NITC Project Tiers)**

- 1. Department of Revenue (Full Text | Summary Sheet)**

- B. Enterprise Projects**

- 1. Enterprise Project Designation**

- a. Department of Administrative Services - E-1 Upgrade***

- 2. Project Closure**

- a. Nebraska State Patrol - Fusion Center***
 - b. Workers' Compensation Court - Adjudication Re-engineering***

- 3. Status Report**

10:15AM 11. Informational Updates

- A. NASCIO 2013 State IT Recognition Awards**

- 1. Awardee: Network Nebraska-Education (Video)**
 - 2. Finalist: Nebraska Capitol Live**
 - 3. Finalist: Nebraska Handicap Permits**

- B. Nebraska Public Safety Broadband Network Planning Project**

- C. Legislative Resolutions**

10:25AM 12. Other Business

10:30AM 13. Adjournment

* Indicates action items

The Nebraska Information Technology Commission will attempt to adhere to the sequence of the published agenda, but reserves the right to adjust the order of items if necessary and may elect to take action on any of the items listed.

Meeting notice was posted to the [NITC website](#) and the [Nebraska Public Meeting Calendar](#) on September 18, 2013. The agenda was posted to the NITC website on December 5, 2013.

NEBRASKA INFORMATION TECHNOLOGY COMMISSION

Wednesday, July 31, 2013, 1:30 p.m.

Nebraska Educational Telecommunications (NET) – Board Room

1800 North 33rd Street, Lincoln, Nebraska

Minutes

MEMBERS PRESENT:

Lieutenant Governor Lavon Heidemann, Chair
Senator Dan Watermeier (non-voting)
Pat Flanagan, PM Managed Services – CoSentry, LLC
Donna Hammack, Saint Elizabeth Foundation
Lance Hedquist, City Administrator, South Sioux City
Dr. Dan Hoelsing, Superintendent, Schuyler Community Schools
Mike Huggenberger, Director-Netlink, Great Plains Communications
Brad Moline, Allo Communications

MEMBERS ABSENT: Doug Kristensen, JD, Chancellor, University of Nebraska-Kearney and Dan Shundoff, Intellicom

ROLL CALL, NOTICE OF MEETING & OPEN MEETINGS ACT INFORMATION

Lt. Governor Heidemann called the meeting to order at 1:30 p.m. Roll call was taken. There were 7 voting members present. A quorum was present to conduct official business. The meeting notice was posted to the [NITC website](#) and the [Nebraska Public Meeting Calendar](#) on July 1, 2013. The meeting agenda was posted on the NITC website on July 25, 2013. The [Nebraska Open Meetings Act](#) was posted on the north wall of the room. Lt. Governor Heidemann introduced Governor Dave Heineman to the Commission and guests.

COMMENTS - GOVERNOR DAVE HEINEMAN

Governor Heineman congratulated the Nebraska Information Technology Commissioners on their 15th anniversary and thanked them for their time and effort in encouraging the delivery of technology services to Nebraska's citizens. Through online services, citizens are able to file their income taxes, pay for hunting permit, and order birth certifications. Network Nebraska, the statewide email system, and capitol streaming are a few more examples. Nebraska has received several national technology awards. These projects are the result of a great team effort in our state. Although Nebraska has come a long way, much more still needs to be done. The State of Nebraska must continually adapt to the rapidly changing technological environment. The younger citizens of our state are expecting that everything can be done online at any given time. The people in Nebraska appreciate the work of the NITC. He thanked the NITC again before leaving the meeting.

APPROVAL OF APRIL 19, 2013 MINUTES*

Commissioner Hedquist moved to approve the [April 19, 2013](#) minutes as presented. Commissioner Moline seconded. Roll call vote: Heidemann-Yes, Flanagan-Yes, Hammack-Yes, Hedquist-Yes, Hoelsing-Yes, Huggenberger-Yes and Moline-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

PUBLIC COMMENT

There was no public comment.

STATEWIDE TECHNOLOGY PLAN

The NITC will be updating the Statewide Technology Plan. The following two agenda items are proposed changes to the Statewide Technology Plan.

Approval of the Proposed NITC Core Values*. Mr. Rolfes reported that in recognition of the 15th year, the NITC Administrative Managers developed the following NITC Core Values to accompany the NITC Mission and Vision

Statements:

NITC Core Values

- We strive to know our customers and stakeholders and understand their needs.
- We inspire cost-effective solutions.
- We encourage collaboration for the sharing of resources.
- We encourage public participation in the technology development process.

Commissioner Hammack moved to approve the [NITC Core Values](#). Commissioner Hoelsing seconded. Roll call vote: Moline-Yes, Huggenberger-Yes, Hoelsing-Yes, Hedquist-Yes, Hammack-Yes, Flanagan-Yes, and Heidemann-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

Approval of the Nebraska Spatial Data Infrastructure Initiative. The Statewide Technology Plan currently includes eight strategic initiatives: Network Nebraska, Community IT Planning and Development, eHealth, Public Safety Communications System, Digital Education, State Government Efficiency, E-Government, and Security and Business Resumption. GIS action items had been included under State Government Efficiency in previous plans. Mr. Watermeier reported that the NITC Managers would like to recommend that the Nebraska Spatial Data Infrastructure Initiative be included as its own initiative and action items within the Statewide Technology Plan. A brief description of the initiative follows:

Objective: To develop and foster an environment and infrastructure that optimizes the efficient use of geospatial technology, data, and services to address a wide variety of business and governmental challenges within the state. Geospatial technologies and data will be delivered in a way that supports policy and decision making at all levels of government to enhance the economy, safety, environment and quality of life for Nebraskans.

Description: Geospatial technologies incorporate geographic information systems (GIS), global positioning systems (GPS), remote sensing such as imagery and Light Detection and Ranging (LiDAR), and other geographic data and information systems. We use GIS as a tool to capture, store, manipulate, analyze, manage, and present all types of geographical data. Information about people, places and events can be integrated by location (geography) by using these technologies. It represents nearly all spatial information used by government organizations and their partners to manage resources and various services on behalf of Nebraska's citizens. Coordination among and between government organizations and their partners to efficiently collect, use and maintain this information using geospatial technologies has steadily improved decision making over the past several decades. But economic pressures, increased environmental issues, and a rapidly increasing amount and complexity of information required for effective decisions make it necessary to dramatically improve the way geographic information is managed. Because of this, solutions are sought to find statewide data and services that meet our goals while providing quality and accurate data that meets state and federal standards.

The major components of this initiative include:

- Facilitating the creation, maintenance, analysis and publishing of quality Nebraska Spatial Data Infrastructure (NESDI) data and information systems.
- Encourage data sharing and provide widespread access to data and services through NebraskaMAP.gov. Develop and implement NESDI layer standards and guidelines.
- Facilitate technical assistance and education outreach opportunities for furthering the adoption of the NESDI and geospatial applications.
- Achieve sustainable and efficient allocation of resources to support the implementation and wise governance of GIS services and geospatial data.

Commissioner Flanagan moved to approve the [Nebraska Spatial Data Infrastructure Initiative](#). Commissioner Hedquist seconded. Roll call vote: Hammack-Yes, Hedquist-Yes, Hoelsing-Yes, Huggenberger-Yes, Moline-Yes, Heidemann-Yes, and Flanagan-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

REPORTS - EDUCATION COUNCIL

Mr. Rolfes reported that the Education Council would like to make the following membership nominations to the NITC for approval:

- Higher Education membership renewals for the 2013-15 term: Yvette Holly representing the UN System; Mike Carpenter representing the Independent Colleges & Universities; Lyle Neal representing the Community College System; and Ed Hoffman representing the State College System.
- K-12 membership renewals for the 2013-15 term: Bob Uhing representing Educational Service Units; Mike Lucas representing Administrators; and Stephen Hamersky representing Nonpublic Teachers.
- A new K-12 member representing Public Teachers: Matt Chrisman.
- Alternate designations
 - Shelley Clayburn, Lincoln Public Schools Alternate for Matt Chrisman
 - Burke Brown, District OR 1-Palmyra/Bennet Alternate for Jeff Johnson

Commissioner Hoelsing moved to approve the Education Council's nominations for [Council Membership](#). Commissioner Huggenberger seconded. Roll call vote: Hedquist-Yes, Hammack-Yes, Flanagan-Yes, and Heidemann-Yes, Moline-Yes, Huggenberger-Yes, Hoelsing-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

REPORTS - GIS COUNCIL

Council Membership – At -Large Member Selection Process. Mr. Watermeier reported that a letter was sent to potential parties of interest seeking nominations for the Member At Large representing private industry sector on June 19, 2013. The deadline for receiving applications was July 19, 2013. Specific criteria and additional information about the qualifications for member seat was identified in the letter.

The criteria, which follows the roles and responsibilities found in the GIS Council charter, is listed below:

- The goals of the at-large representative should be compatible with goals and responsibilities of the GIS Council.
- The representative should have a broad understanding of the private GIS industry and ability to represent the needs of that broader constituency to the council.
- The representative should be an employee of a firm that does business in the state of Nebraska.
- A representative should be knowledgeable of and/or experienced with working with city, county, and state government.
- The representative should have demonstrated expertise with GIS technology and/or policy.
- The representative should be familiar with the council mission and responsibilities and participate in ongoing activities of the Council.
- The representative is responsible for maintaining two-way communication with their sector constituents concerning issues brought before the Council. This includes advocating and communicating GIS Council news and resources relevant to the constituent's interest and needs.
- The representative is responsible to travel and attend all GIS Council meetings in Lincoln Nebraska. There are currently eleven (11) meetings through the year. These meetings are typically the first Wednesday of each month from 1:00-3:30 pm. Travel is reimbursable.
- Be able to fulfill the seat for a term of three (3) years.

The selection process is outlined below:

1. All nominations that meet the criteria identified in the letter are to be sent to GIS Council Coordinator, Nathan Watermeier on or by July 19, 2013. The nomination will need to include: a biographical sketch, indicate how this nominee addresses the selection criteria and how they will maintain communication with their sector constituents. Nominations need to be submitted in MS Word or PDF format.
2. All nomination's will be packaged and sent to the nomination committee via email. The Selection Criteria Worksheet (attachment) will also be sent electronically to the committee for use as a nomination tool in evaluating nominees.
3. The nomination committee will review all candidates, validate they actually meet the criteria established, and complete a worksheet on each candidate.
4. After each member of the committee scores the application, the nomination committee will organize a

meeting to discuss their reviews of the nominations. The outcome of the discussion will result in one nomination being brought forward to the NITC.

5. The NITC will take action on the recommendation.
6. The nomination will be brought forward to the Governor for final decision.
7. Upon final approval by the Governor, the nominee will be contacted for next steps to be slated as a seat to the GIS Council. All other nominations will be sent letters thanking them and being considered as a candidate in the process.
8. If the Governor has disapproved the nomination, the nomination committee will go back to meet and discuss another nomination to be recommended back to NITC. Then back to the Governor until an acceptable candidate is found.

Commissioner Flanagan moved to approve to include the [GIS Council At-Large Private Industry Sector Criteria and Selection Process](#). Commissioner Hedquist seconded. Roll call vote: Huggenberger-Yes, Hoelsing-Yes, Hedquist-Yes, Hammack-Yes, Flanagan-Yes, and Heidemann-Yes, and Moline-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

If any of the commissioners are interested in serving on the committee, they were asked to contact Ms. Decker.

REPORT - TECHNICAL PANEL

Enterprise Projects - Status Report. Walter Weir was available for questions about the Enterprise Projects.

UPDATE: NEW NITC WEBSITE

Brenda Decker, Chief Information Officer, pointed out that in the meeting materials the Commissioners also received updates for the [Community Council](#) and the [eHealth Council](#).

The go-live date for the new NITC and the new Office of the CIO websites will be scheduled soon. The Office of the CIO is having the sites tested for accessibility. The Commission on the Blind and Visually Impaired recommended two national groups to do the testing. The groups did make recommendations which are currently being implemented. Commissioners will be informed when the websites are ready.

Copies of the 2013 OCIO Annual Report were distributed to the Commissioners. In addition, each Commission received a copy of the NITC 15th Years of Accomplishments book which provides a history of the NITC, where we have been, and where we are going.

ADJOURNMENT

Commissioner Hedquist moved to adjourn. Commissioner Hoelsing seconded. All were in favor. Motion carried.

Lt. Governor Heidemann invited the guests to attend the NITC's 15th Anniversary Celebration in the NET - Events Room down the hall.

The meeting was adjourned at 2:00 p.m.

Meeting minutes were taken by Lori Lopez Urdiales and reviewed by the staff of the Office of the CIO/NITC.

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

State of Nebraska
Nebraska Information Technology Commission
Standards and Guidelines

AMENDMENTS TO NITC 4-201

NITC 4-201 (Web Branding and Policy Consistency) is amended as follows:

1. Section 4.3.1 is amended to read:

4.3.1 Allowable Changes to the Brand Graphic

Allowable changes for the Brand Graphic are:

- The color of the text
- The color of the state
- The color of the background
- The color of the star
- The drop shadow is optional
- The length of the graphic. CSS (Cascading Style Sheets), background filler images, or other similar methods may be used to allow the Branding Graphic to visually stretch across the width of the browser. Examples of this are available at: <http://www.webmasters.ne.gov>.
- The use of HTML attributes to dynamically decrease the size of the Brand Graphic in relation to the web page across varying resolutions and devices.

The following changes are not allowed for the Brand Graphic:

- The size of the text
- The font of the text
- The size and position of the state
- The size and position of the star
- The size and position of the drop shadow (if used)

Additionally, the colors for the text and the background of the Brand Graphic must be clearly visible/high contrast with clearly legible text.

2. The following section is outright repealed, and the remaining sections renumbered accordingly: Section 1.1.6.

**State of Nebraska
Nebraska Information Technology Commission
Standards and Guidelines**

PROPOSED NITC 5-401

1. Adopt the following new standard:

NITC 5-401: Active Directory; User Photographs

Category: Groupware Architecture

Applicability: All state agencies, boards, and commissions

1. Purpose

Microsoft's Active Directory has an attribute ("thumbnailPhoto") to store a thumbnail portrait photograph of each user. Other applications, including Microsoft Outlook and the Exchange Global Address List, will display these photographs automatically in the context of providing information about the user. This document provides guidance on the use of this feature in the State's shared Active Directory forest.

2. Standard

- 2.1 Optional Use

Each agency has the option to use, or not use, the photograph functionality in the State's shared Active Directory forest. If an agency chooses to use this functionality, the following requirements and procedures will apply.

- 2.2 Image File Requirements

- File type: JPEG
- File size: 10K or smaller
- File name: Same as the user login ID plus the .jpg extension (example john.doe.jpg)
- Photo size: 96x96 pixels is recommended
- Photo content: A recent head-and-shoulders photograph of the user (not an avatar, icon, drawing, etc.)

- 2.3 Procedures

- Each agency is responsible for obtaining photographs of their users.
- The OCIO will provide a mechanism for receiving agency image files to be uploaded.
- Agencies shall not modify the Active Directory thumbnailPhoto attribute directly.

**State of Nebraska
Nebraska Information Technology Commission
Standards and Guidelines**

AMENDMENTS TO NITC 8-101

A. NITC 8-101 (Information Security Policy) is amended as follows:

1. Section 4.6 is amended to read:

4.6 ~~Asset~~ Data Classification

Data is a critical asset of the State of Nebraska. All staff have a responsibility to protect the confidentiality, integrity, and availability of data generated, accessed, modified, transmitted, stored or used by the State of Nebraska, irrespective of the medium on which the data resides and regardless of format (such as in electronic, paper or other physical form).

Agencies are responsible for establishing and implementing appropriate managerial, operational, physical, and technical controls for access to, use of, handling of, transmission of, and disposal of State data in compliance with this policy and the agency Records Retention schedule. The agency data owner should carefully evaluate and determine the appropriate data sensitivity or classification category for their information. Assigning classifications determines day-to-day practices with information: how it is handled, who handles it, how it is transported, stored, who has access, where it can go, etc.

Data owned, used, created or maintained by the State is classified into the following four categories:

- ~~Public~~
- ~~Internal Use Only~~
- ~~Confidential~~
- ~~Highly Restricted~~

(See [NITC Security Officer Handbook](#))

- Highly Restricted. This classification level is for the most sensitive information intended strictly for use within your organization and controlled by special rules to specific personnel. Examples of this type of data include Federal Tax Information (FTI), Patient Medical Records covered by Health Insurance Portability and Accountability Act (HIPAA), Payment Card Industry (PCI) information, and any other information regulated by State or Federal regulations. This level requires the greatest security protection and would have a high impact in the event of an unauthorized data disclosure.

- Confidential. This classification level is for sensitive information that may include Personally Identifiable Information (PII) intended for use within your organization. This level requires a high level of security and would have a considerable impact in the event of an unauthorized data disclosure.
- Managed Access Public. This classification level is for information that is public in nature but may require authorization to receive it. This type of information requires a minimal level of security and would not have a significant impact in the event of data disclosure. This type of information does not include personal information but may carry special regulations related to its use or dissemination. Managed Access Public data may also be data that is sold as a product or service requiring users to subscribe to this service.
- Public. This classification is for information that requires no security and can be handled in the public domain.

2. Section 4.8.2.1 is amended to read:

4.8.2.1 Security of Electronic Mail

Electronic mail provides an expedient method of creating and distributing messages both within the organization and outside of the organization. Users of the state E-mail system are a visible representative of the state and must use the system in a legal, professional and responsible manner. ~~Users must comply with this policy, the Records Management Act, and be knowledgeable of their responsibilities as defined in~~ [NITC Secure E-Mail for State Agencies](#). An account holder, user, or administrator of the State email system must not setup rules, or use any other methodology, to automatically forward all emails to a personal or other account outside of the State of Nebraska network.

B. All NITC Standards and Guidelines which reference data classification categories modified in Section A.1 of this Amendment are amended accordingly.

State of Nebraska
Nebraska Information Technology Commission
Standards and Guidelines

AMENDMENTS TO NITC 8-301

NITC 8-301 (Password Standard) is amended as follows:

1. Strike the original sections and insert the following new sections:

NITC 8-301: Password Standard

Category: Security Architecture

Applicability: Applies to all state agencies, boards, and commissions, excluding higher education

1. Purpose

The purpose of this standard is to set the minimum requirements for passwords and the related system access requirements based on the data classification (NITC 8-101, § 4.6).

1.1 Scope

The scope of this standard is restricted to passwords that are used to authenticate users to networks or applications.

1.2 Minimum Password Complexity Construction

The following are the minimum password requirements for State of Nebraska passwords:

- Must contain a minimum 8 characters
- Must contain at least three (3) of the following four (4) :
 - At least one (1) upper case character
 - At least one (1) lowercase character
 - At least one (1) numeric character
 - At least one (1) symbol
- Cannot repeat any of the passwords used during the previous 365 days.

2. Standard

In addition to the Minimum Password Complexity outlined in section 1.2, additional password requirements are necessary for differing levels of data classification when authenticating users to networks or applications. The highest data classification level that a user has access to during an authenticated session will determine the additional password requirements. All employees and contractors of the State of Nebraska shall use a password that follows at least a confidential level of authentication when logging into a state network or application.

2.1 Highly Restricted

Information that is deemed highly restricted requires the highest level of security. A password used to access Highly Restricted information must follow the password complexity rules outlined in section 1.2 and must contain at least 2 of the following additional requirements:

- Multi Factor Authentication
- Expire after 60 days
- Minimum Password Age set to 15 days

2.2 Confidential

Information that is deemed Confidential requires a high level of security. A password used to access Confidential information must follow the password complexity rules outlined in section 1.2 and must contain the following additional requirement:

- Expire after 90 days

2.3 Managed Access Public

Information that is deemed Managed Access Public requires minimal level of security and need not comply with section 1.2 of this policy. Typically this data would not include personal information but may carry special regulations related to its use or dissemination. Managed Access Public data may also be data that is sold as a product or service to users that have subscribed to a service.

2.4 Public

Information that is deemed Public requires no security and need not comply with section 1.2 of this policy. This information should be restricted to view only.

3.0 Non Expiring Passwords

Non Expiring Passwords require a unique high level of security. Typically this information is confidential in nature and must follow the requirements in section 1.2. The additional requirements for access to confidential data with a non-expiring password are:

- Must contain at least one of the following additional security features:
 - Extended password length to 10 characters
 - Personal security question may be asked
 - Multi Factor Authentication
 - Any feature not included on this list may also be utilized upon approval of the State Information Security Officer or upon enactment of federal, state or departmental laws, policies or directives.

3.1 Automated System Accounts

Agencies may use non-expiring passwords for automated system accounts. Examples of automated system accounts include those that act as an intermediary between the public user and state systems, internal system to system interfaces, perform backups or run batch jobs.

3.2 Multi-user Computers

Agencies may use non-expiring passwords on multi-user computers. Examples of multi-user computers include those computers in kiosks or training labs, where users have limited or restricted access to state resources.

3.3 System Equipment/Devices

Agencies may use non-expiring passwords for system equipment/devices. It is common for many devices (e.g. IP cameras, HVAC controls) in today's IT environment to utilize login capabilities to protect the device from unauthorized access. While many of these devices make use of a user ID and password in a manner similar to those found while authenticating a user, the distinction to be made is that the User ID is used to authenticate the device itself to the system and not a person.

December 4, 2013

To: NITC Commissioners
From: Anne Byers
Subject: Community Council Report

Broadband Plan Kickoff

The NITC is a partner in the Nebraska Public Service Commission's broadband mapping and planning grant. One of the components of the project is the development of a state broadband plan. Since the NITC has expertise in strategic planning and has an existing advisory group whose focus is broadband adoption and development in communities, the NITC will be leading the development of a state broadband plan. In addition to the Nebraska Public Service Commission, other partners include the University of Nebraska-Lincoln, Nebraska Department of Economic Development, and the AIM Institute.

Over 50 stakeholders participated in the kickoff meeting for the state broadband plan in Lincoln or at one of nine other video sites. The discussions centered on identifying strengths, resources, areas in which we could improve, and where we want to be in the future. Participants also discussed the priority areas identified in the regional plans: economic development, agriculture, digital literacy/adoption, and broadband availability and affordability. Work groups are being formed to identify best practices and develop action items for these areas.

Broadband Conference

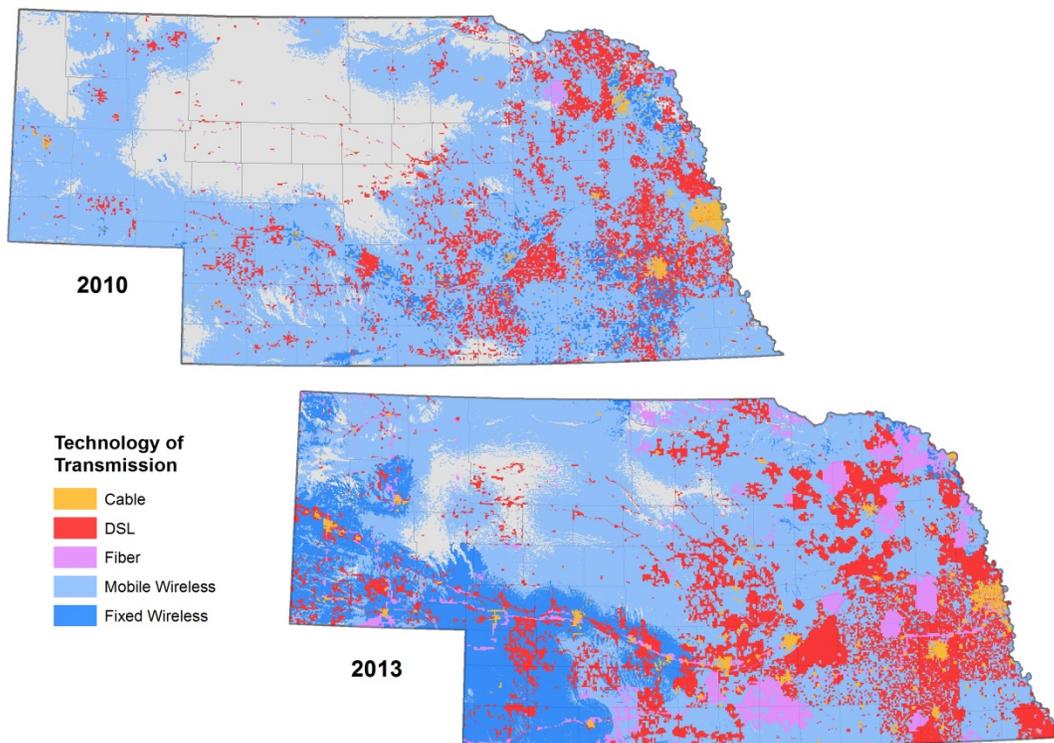
Approximately 250 individuals attended the Nebraska broadband conference in Kearney on Oct. 16-17. Keynote speakers included Steve Kiene from Nebraska Global, and global futurist and author Jack Uldrich.

Mobile Pulse

The Nebraska Public Service Commission is looking for volunteers to download the Mobile Pulse app to their smart phone to test mobile wireless download speeds. Location information but no personal or identifiable information will be transferred. The app will use no more than 100 MB of data in a month.

Broadband Availability 2010-2013

The following maps by the Nebraska Public Service Commission show how broadband availability in Nebraska has improved between 2010 and 2013.



Business Survey

A survey of Nebraska businesses is currently being conducted. Selected businesses who completed the survey will also receive coaching on how to better utilize broadband. Preliminary results show that Nebraska businesses are utilizing broadband at a slightly higher rate than businesses in the other states in which this business survey has been conducted. Broadband is most often used by Nebraska businesses to purchase goods and services, for banking and financial services, and for government transactions.

Community Council Members

The Community Council is being reenergized and we have a slate of new member nominations. A list of members and nominees follows as well as bios of nominees. I will be asking for your approval of the member nominations.

Community Council Members and Nominees

Rural and Community IT Development

Members

Rod Armstrong, AIM Institute

Norene Fitzgerald

Darla Heggem, Twin Cities Development, Scottsbluff

Joan Modrell, Nebraska Department of Labor

Nominees

Pam Adams, American Broadband

Randy Bretz, TEDxLincoln Curator

Dave Hahn, Nebraska Information Network

Connie Hancock, University of Nebraska Extension

Jacob Knutson, Nebraska Department of Economic Development

Kim Kuhle, US Bank

David Lofdahl, IT Consultant

Paul Ludwick, Nebraska Link

Monica Lueking-Crowe, Furnas Harlan Partnership

Marion McDermott, Kearney Area Chamber of Commerce

Megan McGown, City of Sidney, Community Development Director

Libraries and Local Government

Members

Chris Anderson, City of Central City

Brett Baker, City of Seward

Phil Green, City of Blair

Nominees

Jessica Chamberlain, Norfolk Public Library

Steve Fosselman, Grand Island Public Library

Steve Henderson, City of Lincoln

Holly Woldt, Nebraska Library Commission

At Large

Members

Jerry Vap, Nebraska Public Service Commission

Community Council Bios

Pam Adams

Pam Adams serves as Marketing Coordinator for American Broadband, a regional telecommunications company based in Blair, NE. Adams has over 12 years' experience in the technology and telecommunications industries, having held positions with Inacom, Compaq, HP, and Bizco Technologies. She has also worked as a self-employed consultant for Frontier Technologies, a startup food processing venture located in Curtis, Nebraska, and the Nebraska College of Technical Agriculture. She has in-depth experience with economic development, public relations, entrepreneurship, and grant writing. Ms. Adams is a graduate of the University of Nebraska-Lincoln, with a degree in Agriculture.

Randy Bretz

Randy Bretz is an experienced and innovative leader/administrator with background in communications, telecommunications, higher education administration, sales and marketing, small business administration, distance education, educational consortia, information systems, educational telecommunications, Internet applications, and new project development. He has held management positions with Nelnet, Nebraska Educational Telecommunications, the Agricultural Satellite Corporation, Sound Words Communications. He has a Ph.D. in adult education from the University of Nebraska-Lincoln, M.A. in electronic media and B.S. in broadcasting from Indian State University.

David Hahn

I am from the small town of Pierce, Nebraska. I started working for Northwestern Bell in November 1970 and retired from Qwest/CenturyLink in April 2011. Throughout my 40+ year career in the Telecommunications Industry, I was fortunate to be assigned a variety of jobs. Some of my first job titles included Telephone Installer, Installation and Repair Supervisor, Test Center Supervisor and Special Services Supervisor. Later in my career, I was an Account Manager for the Independent Telephone Companies in Nebraska, then an Account Manager for some of the Competitive Local Exchange Carrier (CLECs) in the USWest/Qwest 14 state region. The last 7 years, I was a Regional Service Director for the 500+ Independent Telephone Companies located within the Qwest region. In August 2011, I assumed the job of Executive Director for the non-profit Nebraska Information Network (NIN). This organization was formed to work on promoting rural development through the use of telecommunications technologies. NIN is supported by annual membership fees from a majority of independent the telephone companies in Nebraska. One of the main goals within NIN and the companies it represents is the promotion of broadband throughout the state.

I am very interested in the development of a state broadband plan and would like to be part of these activities with the Community Council going forward.

Connie Hancock

Connie Hancock is an extension educator at UNL Extension. She has been active in programming which supports the adoption of broadband technology. She has a bachelor's degree in vocational home economics education from the University of Nebraska-Lincoln and a master's degree in guidance counseling from the University of Nebraska at Kearney.

Jacob Knutson

Jacob Knutson is the IT Cluster Coordinator for Nebraska's Department of Economic Development (DED). In this role Jacob coordinates and assists activities with IT businesses throughout the state while also serving as a liaison between businesses and DED management. Prior to his position with DED, Jacob worked in Washington, DC – initially for Congressman Adrian Smith (NE-03) and then at the Dutko Grayling lobby firm. He worked on a variety of tasks, including assisting congressional staff of the Member for the Ways & Means Committee, while with Rep. Smith. For Dutko, he served as an assistant to the Energy and Environment team on federal policy work with researching and tracking various energy issues. Prior to attending graduate school, he also did a brief stint in the Department of Interior as a Program Support Specialist for the Bureau of Reclamation dealing with water issues and invasive species.

Originally from St. Paul, Nebraska, Jacob received his Bachelor's Degree from the University of Nebraska-Kearney and obtained a Master's Degree from the University of Nebraska-Omaha.

Kim Kuhle

Kim Kuhle is the vice president and community affairs manager for U.S. Bank. Previously, she was the director of economic development for the Ponca Tribe of Nebraska and the president of Capital Consulting. Ms. Kuhle has master's degree in economics from the University of Nebraska and a bachelor's degree in public administration and economics from the University of Nebraska-Lincoln.

David Lofdahl

David Lofdahl has worked in voice and data for over 40 years serving Nebraska businesses and city governments such as McCook, Dawson and West Point.

Paul W. Ludwick

Paul is the Chief Executive Officer of NebraskaLink Holdings, LLC, a Nebraska middle-mile broadband provider that is owned by a consortium of seven Nebraska independent local exchange companies. The

company supplies broadband transport and direct internet access to government, education, health-care, telecom, and enterprise customers.

Prior to NebraskaLink, Paul was with Sprint Corporation for 18 years in various technical, product, marketing, and leadership positions, where he was awarded five US Patents in diverse technologies. Paul worked with Rockwell Switching and Transmission Systems divisions for 10 years in technical and management roles before moving to Sprint.

Involved in telecommunication industry activities, Paul was elected to two terms on the Federal Communications Commission Interstate TRS Fund Advisory Council, where he served 4 years as Vice-Chair, and was appointed by Chairman William Kennard as a charter representative to the FCC Consumer Advisory Committee.

Paul graduated from Park University with a BS in Computer Information Systems and The University of Kansas with a Master of Business Administration and has been active in community service, most recently serving six years on the Olathe (Kansas) Board of Housing Commissioners, with four years as chairperson.

Paul resides in Lincoln Nebraska with his daughter Brynn and has two sons out-of-state, Preston and Parker.

Monica Lueking-Crowe

Monica Lueking-Crowe is the executive director of the Furnas Harlan Partnership, a non profit economic development organization serving Furnas and Harlan Counties in South Central Nebraska. Monica is serving as a broadband business coach.

Marion McDermott

Marion McDermott is the executive director of the Kearney Area Chamber of Commerce. Previously she worked as the office manager/marketing media specialist for Armagost Financial Group and Executive Director of the Ogallala/Keith County Chamber of Commerce.

Megan McGown

Megan McGown is the Community Development Director, Social Media Manager, and Main Street Manager for the City of Sidney. Previously, she worked the executive director of the Cheyenne County Chamber of Commerce.

Jessica Chamberlain

Jessica Chamberlain has been working with libraries for more than 10 years. Starting out her career in public libraries in Ohio, she returned to Nebraska in 2010 to become the director of the Northeast Library System, a non-profit agency that provides support services to libraries. In 2012 she returned to public library work by accepting a position as the director of the Norfolk Public Library. She knows the important role that libraries play in giving broadband internet access to the public.

Steve Fosselman

Steve Fosselman is the director of the Grand Island Public Library and a member of the Nebraska Library Association. He is a supporter of the use of information technology in Nebraska's libraries.

Steve Henderson

Steve Henderson is the chief information officer at the City of Lincoln and Lancaster County. Previously, he was the information technology administrator for strategic planning and project management at the State of Nebraska's Office of the CIO. He has an MBA from the University of Nebraska at Omaha and B.S. in Computer Science from the University of Nebraska-Lincoln.

Holly Woldt

Holly Woldt is the technology support manager at the Nebraska Library Commission. She supports the Nebraska Library Commission's \$3.6 million grant to upgrade public computing centers in 147 libraries and provide training to local customers. Previously, she held technology positions at the Nebraska Annual Conference of the United Methodist Conference, Lincoln-Lancaster County Health Department, and University of Nebraska. She has a bachelor's degree in computer science from the University of Iowa.

December 4, 2013

To: NITC Commissioners
From: Anne Byers
Subject: eHealth Council Report

Provider Satisfaction of Health Information Exchange. Our evaluation team from UNMC surveyed health care providers in Nebraska about their satisfaction of health information exchange. Survey respondents identified cost and lost productivity during implementation as perceived barriers. Respondents identified accessing a comprehensive list of the patient's medications, accessing a comprehensive list of the patient's allergies, and viewing lab results from other providers as the most important functionalities for inclusion in a health information exchange. Over three times as many NeHII users reported being satisfied, compared to being dissatisfied. The information from the survey will help NeHII prioritize future functionality.

Request for 90/10 Matching HIE Funds from the Centers for Medicare and Medicaid Services. The Nebraska Medicaid Program submitted a request for 90/10 matching funds for health information exchange to the Centers for Medicare and Medicaid Services (CMS). The request for funding for eBHIN was denied. Additional information on the NeHII proposal was requested and sent to CMS. An updated request for funding will be sent to CMS this which contains just the NeHII proposal.

E-Prescribing Controlled Substances. E-prescribing continues to grow in Nebraska. In Oct. 2013, nearly 3,000 physicians (89%) in Nebraska e-prescribed. Ninety-seven percent of community pharmacies in Nebraska accept e-prescriptions. The next issue on the horizon is e-prescribing controlled substances. E-prescribing controlled substances has been rolling out nationwide and is permissible in Nebraska if prescribers and pharmacies meet all of the requirements set out by the Drug Enforcement Agency. Currently, Hy-Vee pharmacies and some independent pharmacies in Nebraska are using certified systems. Only a handful of prescribers in Nebraska are using systems which are certified for e-prescribing controlled substances. It is likely that we will start to see some e-prescriptions for controlled substances in Nebraska in the near future as more providers and pharmacies upgrade their systems. The map below shows pharmacy participation in e-prescribing controlled substances. The eHealth Council's E-Prescribing Work Group met on Dec. 3 to discuss outreach efforts to pharmacies and prescribers.

eBHIN. The Electronic Behavioral Health Information Network (eBHIN) currently has 498 users from 27 organizations in the Omaha area (Region 6) and Southeast Nebraska (Region 5). Three more organizations in the Omaha area will be joining eBHIN. eBHIN is also working on a grant proposal with Region 3 in Central Nebraska for funding for Region 3 to join eBHIN.

State HIE Cooperative Agreement Update. The State HIE Cooperative Agreement ends March 14, 2014. We have expended 94% of our grant funds. Here is a breakdown of the expenditures.

	Expended	Allocated	% Expended	Balance
NeHII	\$4,825,317.51	\$4,945,775.00	98%	\$120,457.49
State/NITC	\$102,186.74	\$109,575.00	93%	\$7,388.26
Eval/UNMC	\$178,778.18	\$269,435.00	66%	\$90,656.82
eBHIN	\$1,092,287.64	\$1,112,275.00	98%	\$19,987.36
Pub Health	\$172,071.56	\$326,500.00	53%	\$154,428.44
Telehealth	\$70,802.01	\$73,620.00	96%	\$2,817.99
Total	\$6,441,443.64	\$6,837,180.00	94%	\$395,736.36

Membership. Carol Brandl represented the Nebraska Statewide Telehealth Network on the eHealth Council. Upon her retirement, the telehealth network nominated Max Thacker as their representative. Max Thacker served on the NITC Community Council's Telehealth Subcommittee and was instrumental in the development of the telehealth network. Mr. Thacker is the associate director of Information Technology Services at the University of Nebraska Medical Center. His bio can be found on the following page.

Max Thacker
Associate Director
Information Technology Services
University of Nebraska Medical Center

Max Thacker has extensive experience in the broadcast and Information Technology professions managing engineering, tele-medical and distance learning environments. Since 1999, he has served as Associate Director for Information Technology Services for the University of Nebraska Medical Center in Omaha. His primary responsibility is the development and implementation of video technologies including distance learning, classroom support, telehealth clinics and video conferencing. His responsibilities also include the development of telehealth systems and services to meet the needs of rural Nebraska as well as UNMC's international partners.

Thacker has served on numerous commissions and organizations and currently serves as co-chair of the Nebraska Statewide Telehealth Network Governing Board.

Network Nebraska Initiative Action Items, 2012-2016

Action Item Update presented to the NITC, 12/10/2013

Narrative: Network Nebraska-Education is about to enter its eighth summer of participant growth, with up to 28 new entities expected to come aboard on 7/1/2014. Network Nebraska-Education was recently recognized by NASCIO as the top Cross-Boundary Collaboration and Partnership project among 12 other state I.T. nominees. Statewide Internet access continues to be one of the most recognized benefits of participating with Network Nebraska-Education as the statewide contracted unit rate is expected to be reduced, again, by nearly 50% for 2014-15. Network Nebraska will have transported over 575 video distance learning courses by the close of the 2013-14 school year. New services to be implemented during 2013-14 include Commercial Peering Service through Internet2, Intrusion Protection Services, and a possible dark fiber transport project to Grand Island. Recent inquiries about Network Nebraska's participation level, governance, and cost recovery models have originated from the states of Arizona, Arkansas, Kansas, Maine, West Virginia, and Wisconsin.

- 1) Action:** Education entities will act as primary tenants to encourage the aggregation of data transport by public libraries through leased circuits.
Status: Continuation for 2014-2016; Office of the CIO staff will work through the Nebraska Library Commission to contact public libraries that pose a good match for the Network Nebraska connectivity and cost model.
- 2) 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.
Status: Continuation for 2014-2016; The Office of the CIO plans to list all eligible purchase contracts on the new Network Nebraska website. Entities are encouraged to comply with the NITC standards for hardware purchases and report new equipment through <http://www.networknebraska.net/equipment.shtml> .
- 3) 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.
Status: Continuation for 2014-2016; The University of Nebraska has a new Internet access contract with Windstream and the State of Nebraska has an existing Internet access contract with Unite Private Networks. Both rates are expected to decrease for 2014-15 amidst higher purchase demands for the same period.
- 4) 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).
Status: Continuation for 2014-2016; A Network Nebraska Advisory Group subcommittee is working to draft this participation criteria in time for their January 15 NNAG meeting.

- 5) **Action:** Develop a catalog of services for Network Nebraska participants.
Status: Continuation for 2014-2016; A Network Nebraska Advisory Group subcommittee is working to draft this service catalog in time for their March 19 NNAG meeting.
- 6) **Action:** Bi-annually reissue the Network Nebraska Marketing Survey and subsequent Report to help steer the strategic direction of Network Nebraska—Education.
Status: Continuation for 2014-2016; Significant data was collected in 2011 about network services that should help inform the Network Nebraska Advisory Group and Collaborative Aggregation Partnership about future services over the next year.
- 7) **Action:** Annually update the Network Nebraska Marketing Plan.
Status: Continuation for 2014-2016; The Education Council’s Marketing Task Group will resume the update of the Marketing Plan in early 2014.
- 8) **Action:** Facilitate the implementation and training of IPv6 routing on a timely basis across all Network Nebraska entities.
Status: Continuation for 2014-2016; The Network Nebraska Advisory Group subcommittee on technologies will resume planning for IPv6 migration in late 2014.
- 9) **Action:** Address the need for multiple Internet egress points and redundant transport pathways within the Network Nebraska backbone.
Status: New for 2014-2016; A second Internet provider has been contracted for service and multiple aggregation circuits are to be bid in the upcoming RFP.
- 10) **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.
Status: Completed in 2012-2013; The Memorandum of Agreement has been finalized, distributed, and signed by almost all of the 261 entities at the time of this writing.
- 11) **Action:** Develop and deploy an enterprise MCU bridging service for Network Nebraska participants.
Status: Completed in 2012-2013; This enterprise MCU bridging service was recommended for purchase by the Network Nebraska Advisory Group for 2011-12 at 10 simultaneous ports and increased to 12 simultaneous ports for 2012-13 and 2013-14.
- 12) **Action:** The CAP will work with communities that express an interest in aggregating their public sector data transport.
Status: Discontinued in 2013; In order to maintain the simplicity of Network Nebraska-Education inclusive of all public and private K-12 and higher education entities in the state, this action item will be deleted for 2014-2016. Local government has other connectivity options through the Office of the CIO.

Digital Education Initiative Action Items, 2012-2016

Action Item Update presented to the NITC, 12/10/2013

Narrative: The Digital Education Initiative has many exciting developments in simultaneous motion as a result of the Educational Service Unit Coordinating Council (ESUCC) BlendED Initiative. BlendED includes such components as identity management, learning management, content management, data analytics and professional development. Nebraska ESUs are currently participating in, and being recognized for, a national pilot project for InCommon federated identity management services. The ESUs are also working on envisioning a successor program to the original LB 1208 lottery incentives. Higher education tends to develop digital education assets more at an institutional or sector level, but is monitoring the BlendED Initiative by K-12 for possible programmatic crossovers. All levels of education are experiencing a proliferation of tablet devices and smart phones, high density wireless, and more Internet access, making digital education for all learners more likely.

- 1) **Action:** Promote the usage of the National Repository for Online Courses (NROC) content by Nebraska educators.
Status: Continuation for 2014-2016; The ESUCC plans to include the NROC learning objects in the statewide content repository managed by the ESUs.
- 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.
Status: Continuation for 2014-2016; The ESUs achieved a decentralized deployment of Safari Montage content servers in 2013 to provide a system of digital content storage and retrieval. Training took place in November 2013 and usage is expected to grow quickly.
- 3) **Action:** Develop and deploy a statewide learning management system for every K-12 teacher and learner, grades 6-12.
Status: Continuation for 2014-2016; This is a future action item for consideration by the ESUCC.
- 4) **Action:** Train teachers in effective instructional design to integrate synchronous and asynchronous technologies.
Status: Continuation for 2014-2016; The responsibility for effective instructional design is shared between the teacher training institutions, ESU Professional Development Organization, and the ESU Distance Education Advisory Council.
- 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.
Status: Continuation for 2014-2016; The ESUCC staff are working with University of Nebraska staff and facilitators from the InCommon Alliance to develop a K-12 schema for student and staff identity management atop Network Nebraska-Education.
- 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.
Status: New for 2014-2016; The Nebraska Department of Education has a grant to work with 10 school districts in a pilot project during 2013-14.

- 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.
Status: New for 2014-2016; This is a future action item for consideration by the Nebraska Department of Education and local school districts.
- 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.
Status: New for 2014-2016; The Coordinating Commission for Postsecondary Education may facilitate dialogue between K-12 schools and higher education to accomplish this action item.
- 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.
Status: New for 2014-2016; This is a future action item for consideration by the ESUCC.
- 10) Action.** Set a deadline, and establish standard(s) related to the deployment, administration and maintenance of content management systems by K-12 schools.
Status: Discontinued in 2013; Industry standards are common to almost all content management systems, making state-level content management standards unnecessary.

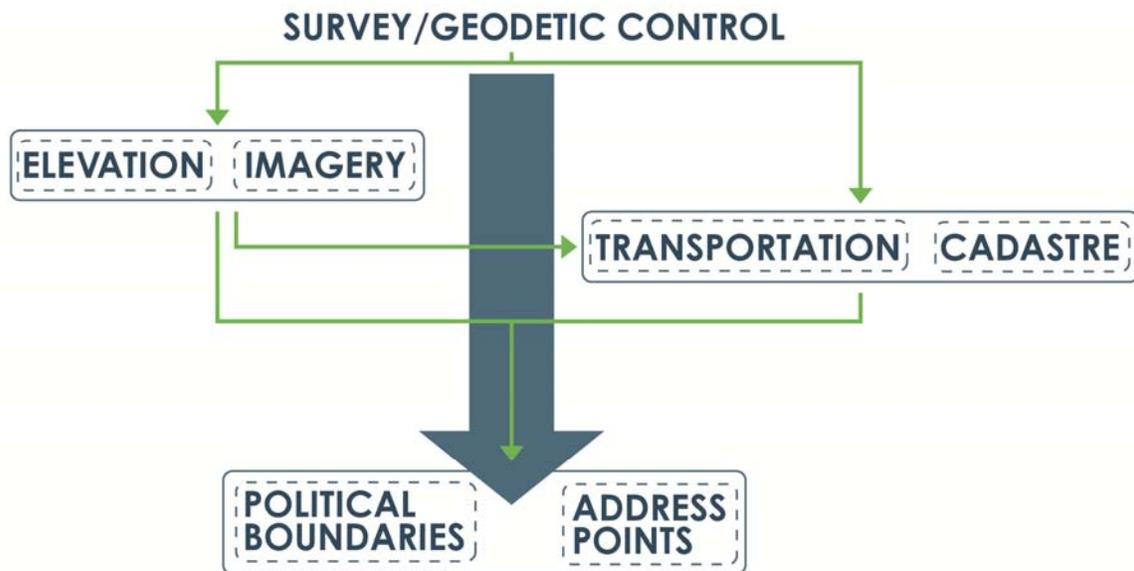
December 5, 2013

To: NITC Commissioners
From: Nathan Watermeier, State GIS Coordinator
Mike Preston, Chair, GIS Council
Josh Lear, Vice-Chair, GIS Council
Subject: GIS Council Report

Next Generation 9-1-1 and the Nebraska Spatial Data Infrastructure (NESDI)

Nebraska Legislative action prompted a new bill (LB 595) in 2013 to study the implications, costs, and necessary components for the development and implementation for a statewide Next Generation (NG9-1-1) program. Through an RFP process, the Public Service Commission selected a vendor, Mission Critical Partners (MCP), to conduct the study. The study is being conducted between September 2013 through January 2014. A draft report will be delivered to the Public Service Commission January 31, 2013 and a final report to the Transportation and Telecommunications Committee the first week of April 2014.

A key component to NG9-1-1 is GIS and geospatial data. Members of the GIS Council and the Street Centerline Address Geodatabase Working Group are working on related spatial data efforts that benefits NG9-1-1 prior to the bill and study. Many of the priority Nebraska Spatial Data Infrastructure (NESDI) contribute to the success of NG9-1-1 and are illustrated in the following figure. The GIS Council is independently assessing the status of the current data layers and needs for NG9-1-1. A recent [summary](#) report was compiled on the current status of several NESDI priority data layers. One of the primary ingredients will be to develop a statewide point address database. This does not currently exist. Efforts of the current E 9-1-1 has created preliminary street centerline data by county but there is no seamless street centerline database to support NG9-1-1 at this time. There are recommended national standards through the National Emergency Number Association (NENA) to develop this data.



The working group developed a survey mid-year with expectations to go out to PSAPs to inventory their current geospatial data and GIS capabilities. This started out as a national and state effort through the National States Geographic Information Council (NSGIC), other states, and the NITC GIS Council. The State GIS Coordinator is a member of the NSGIC NG9-1-1 and addressing working group that helped facilitate the development of the survey. The survey questions were incorporated into the data collection process by MCP. Rather than being sent out online to be completed, the data collected was conducted either through phone conversations and/or face to face meetings across the state by MCP. A summary of the findings are being organized by MCP and will be provided at a later date.

The Street Centerline Address Geodatabase Working Group has already drafted database schemas in relationship to both a state wide street centerline and address point database that not only meets NENA standards but other needs of the data beyond NG9-1-1.

Business Plans

Business plans are nearing completion for imagery, elevation, land records, street centerline and address geodatabase, and NebraskaMAP. An inventory and assessment of various NESDI data layers started in August to collect pertinent information to support the NESDI and needs for the business plans. Projected costs were recently completed in the last month. With the advent of the NG9-1-1 study, a significant discussion surfaced about the relationship between various NESDI framework layers and how they would work together. This prompted two new action items at the last GIS Council meeting to gather information for the business plans.

Membership

Action: Approve nomination of Todd Whitfield, Lamp, Rynearson and Associates, Inc. to fill At Large (industry) GIS Council seat.

The GIS Council recommends to the NITC Commissioners that Todd Whitfield, Lamp, Rynearson and Associates, Inc. be selected for the NITC for the At Large (industry) GIS Council seat.

At the April 19th meeting of the Nebraska Information Technology Commission (NITC) meeting, the commission moved to designate an "At-Large" seat for private industry on the GIS Council. At the May 1st, GIS Council meeting, a committee was established to identify qualified candidates for this seat and to make a recommendation to the NITC. The nomination committee established criteria for the seat, which was approved by the council at the June council meeting and solicitations were sent out to various private industry sector constituencies seeking nominations. The nomination was closed on July 19th.

The committee received two nominations for the At Large Council seat, Chad Kudym from Beehive Industries and Todd Whitfield from Lamp, Rynearson and Associates, Inc. The committee used a selection process to identify the best candidate from the two nominations. The selection process was approved by the NITC at the July 31st commission meeting. The process included an evaluation worksheet for use by committee members to rank the candidates. A follow-up conference call was conducted on August 21st for further discussion the committee members. The nominations committee set a target date for final recommendations of Monday, August 26th. The final vote count was 5 votes for Todd Whitfield, 2 votes for Chad Kudym, with one inconclusive vote.

Project #	Agency	Project Title
16-01	Department of Revenue	Data Collection System

SUMMARY OF REQUEST (Executive Summary from the Proposal)

[Full text of all proposals are posted at: http://nitc.nebraska.gov/commission/project_proposals/2014_deficit.html]

The Nebraska Commission on Problem Gambling (NCPG) requests \$100,000 to create a data collection system. This system will collect demographics and service utilization data for the Gamblers Assistance program and the Nebraska Problem Gambling Commission to identify outcomes for gambling treatment programs and individuals who seek help for gambling problems. This collection is also required by the Nebraska legislature.

The NCPG will contract with an entity to create a confidential data base that includes:

- Demographics of all clients in the Gamblers Assistance Program(GAP)
- Ongoing utilization of all clients in the GAP
- Discharge demographics of all clients in the GAP

The Data collected from this data collection system will benefit:

- The programs who provide the service as an ongoing barometer of success
- The Program administration in understanding length of stays, trends of clientele, special needs of clients, and outcomes for each client and each program
- The Nebraska Legislature requires an annual report for all services in the GAP. This data collection system will provide the information required for this report

The NCPG will look at trends of clients, successes of clients and programs, actual numbers of clients utilizing the GAP funds and the success percentage of each program in receipt of GAP funds.

FUNDING SUMMARY

Expenditures						
IT Project Costs	Total	Prior Exp	FY12 Appr/Reappr	FY14 Request	FY15 Request	Future Add
Contractual Services						
Design	100,000	0	0	100,000	0	0
Programming	0	0	0	0	0	0
Project Management	0	0	0	0	0	0
Data Conversion	0	0	0	0	0	0
Other	0	0	0	0	0	0
Subtotal Contractual Services	100,000	0	0	100,000	0	0
TOTAL PROJECT COST	100,000	0	0	100,000	0	0
Funding						
Fund Type	Total	Prior Exp	FY12 Appr/Reappr	FY14 Request	FY15 Request	Future Add
General Fund	0	0	0	0	0	0
Cash Fund	100,000	0	0	100,000	0	0
Federal Fund	0	0	0	0	0	0
Revolving Fund	0	0	0	0	0	0
Other Fund	0	0	0	0	0	0
TOTAL FUNDING	100,000	0	0	100,000	0	0

PROJECT SCORE

Section	Reviewer 1	Reviewer 2	Reviewer 3	Mean	Maximum Possible
Goals, Objectives, and Projected Outcomes	11	10	10	10	15
Project Justification / Business Case	15	10	15	13	25
Technical Impact	10	0	12	7	20
Preliminary Plan for Implementation	2	5	8	5	10
Risk Assessment	3	0	7	3	10
Financial Analysis and Budget	15	5	12	11	20
TOTAL				50	100

REVIEWER COMMENTS

Section	Strengths	Weaknesses
Goals, Objectives, and Projected Outcomes	- I believe the intention of this request is reasonable and will address a problem that exists in the current environment.	- Other than meeting the goal of the NE Legislature for providing a data base, not sure what goals we are trying to meet. - While the intended purpose of this proposal is positive, the lack of technical detail at this point [is problematic]. - Goal 2: Contracting with Dept. of Revenue or other agency to create database. This seems very odd. If there is an internal option for creation, what is the appropriation for? The goals do not give this reviewer confidence that adequate planning has taken place.
Project Justification / Business Case	- Revenue looked at other systems to attain the cost justification. The data base is a requirement of the Nebraska Legislature. - State mandate, present system and other options do not seem feasible.	- The tangible benefits are not described in any detail. So we get data, what are you going to do with it and what does it help you do? - There was no cost estimate of what it would take to modify the current system (Magellan), The proposal mentioned an investment of \$100K and \$3.5 thousand in maintenance costs yet no RFP or other cost estimate tool has been developed or issued for interested bidders to provide actual cost estimates. - Lacking details as to what solution is being proposed.
Technical Impact		- There is no technical detail to evaluate on this project - however the project is in its initial planning stages. However, the description does not give any technical details that will need to be handled or any applicable standards. Saying that the Commission is well aware of standards does not provide any usable information. - The request, does not address any technical elements of the project including hardware, software, or services, SAN or storage requirements, or any long-term costs. The response states that software will be developed based on the needs of the commission that are also in development. As any good software developer knows building software on incomplete requirements is not a cost-effective approach. - Lack of technical specifics.
Preliminary Plan for Implementation	- Timelines and expectations are the most clearly defined elements in this project.	- There is no description of the project team, few details related to the milestones. There is no detail where the \$3,500 figure comes from - costs for internal resources, contractual resources, etc.? - The projects description of the proposed implementation process is vague at best.
Risk Assessment	- Project poses no financial risk.	- Without more details this project has a high degree of risk. - The project proposal does not indicate any data protection standards or HIPAA provisions required to protect the collection use and distribution of mental or behavioral health questionnaires or medical data under which this reviewer believes gambling behaviors and addiction would fall. - Technical and programmatic risks were not evaluated.
Financial Analysis and Budget	- Used other state system costs as an estimate.	- Unclear if the system can be maintained for under \$4,000 per year without knowing what the system is. Also, unclear how the system will be hosted and what those costs are, are network costs included or necessary? - Other than a flat projection of \$100,000 dollars

Section	Strengths	Weaknesses
		the budget does not include any breakdown or details on software development and programming costs, Implementation costs, hardware costs, operating systems costs, software costs, web application portal or front end-user access communications or storage requirements. - Not enough technical information to judge the reasonableness of the budget.

TECHNICAL PANEL COMMENTS

Technical Panel Checklist				Comments
	Yes	No	Unknown	
1. The project is technically feasible?			✓	- Unable to make a determination based on the limited information available. - The Technical Panel recommends that the agency work with the Office of the CIO to further develop this proposal.
2. The proposed technology is appropriate for the project?			✓	
3. The technical elements can be accomplished within the proposed timeframe and budget?			✓	

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

IT Project : Data Collection System

General Section

Contact Name : Jerry Bauerkemper	E-mail : Jerry.Bauerkemper@nebraska.gov	Agency Priority : 1
Address : 1313 Farnam Street	Telephone : 402-595-1974	NITC Priority :
City : Omaha		NITC Score :
State : Nebraska	Zip : 68022	

Expenditures

IT Project Costs	Total	Prior Exp	FY12 Appr/Reappr	FY14 Request	FY15 Request	Future Add
Contractual Services						
Design	100,000	0	0	100,000	0	0
Programming	0	0	0	0	0	0
Project Management	0	0	0	0	0	0
Data Conversion	0	0	0	0	0	0
Other	0	0	0	0	0	0
Subtotal Contractual Services	100,000	0	0	100,000	0	0
Telecommunications						
Data	0	0	0	0	0	0
Video	0	0	0	0	0	0
Voice	0	0	0	0	0	0
Wireless	0	0	0	0	0	0
Subtotal Telecommunications	0	0	0	0	0	0
Training						
Technical Staff	0	0	0	0	0	0
End-user Staff	0	0	0	0	0	0
Subtotal Training	0	0	0	0	0	0

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

Expenditures

IT Project Costs	Total	Prior Exp	FY12 Appr/Reappr	FY14 Request	FY15 Request	Future Add
Other Operating Costs						
Personnel Cost	0	0	0	0	0	0
Supplies & Materials	0	0	0	0	0	0
Travel	0	0	0	0	0	0
Other	0	0	0	0	0	0
Subtotal Other Operating Costs	0	0	0	0	0	0
Capital Expenditures						
Hardware	0	0	0	0	0	0
Software	0	0	0	0	0	0
Network	0	0	0	0	0	0
Other	0	0	0	0	0	0
Subtotal Capital Expenditures	0	0	0	0	0	0
TOTAL PROJECT COST	100,000	0	0	100,000	0	0

Funding

Fund Type	Total	Prior Exp	FY12 Appr/Reappr	FY14 Request	FY15 Request	Future Add
General Fund	0	0	0	0	0	0
Cash Fund	100,000	0	0	100,000	0	0
Federal Fund	0	0	0	0	0	0
Revolving Fund	0	0	0	0	0	0
Other Fund	0	0	0	0	0	0
TOTAL FUNDING	100,000	0	0	100,000	0	0
VARIANCE	0	0	0	0	0	0

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

IT Project: Data Collection System

EXECUTIVE SUMMARY:

The Nebraska Commission on Problem Gambling (NCPG) requests \$100,000 to create a data collection system. This system will collect demographics and service utilization data for the Gamblers Assistance program and the Nebraska Problem Gambling Commission to identify outcomes for gambling treatment programs and individuals who seek help for gambling problems. This collection is also required by the Nebraska legislature.

The NCPG will contract with the an entity to create a confidential data base that includes:

- Demographics of all clients in the Gamblers Assistance Program(GAP)
- Ongoing utilization of all clients in the GAP
- Discharge demographics of all clients in the GAP

The Data collected from this data collection system will benefit:

- The programs who provide the service as an ongoing barometer of success
- The Program administration in understanding length of stays, trends of clientele, special needs of clients, and outcomes for each client and each program
- The Nebraska Legislature requires an annual report for all services in the GAP. This data collection system will provide the information required for this report
-

The NCPG will look at trends of clients, successes of clients and programs, actual numbers of clients utilizing the GAP funds and the success percentage of each program in receipt of GAP funds

2. Describe the measurement and assessment methods that will verify that the project outcomes have been achieved.

The development of the database will signify the outcome has been achieved. The collection of data will provide proof this onetime expenditure is complete

3. Describe the project's relationship to your agency comprehensive information technology plan.

This is the comprehensive plan to date. This program recently moved from DHHS to the newly created Nebraska Commission on Problem Gambling. Prior to this move all data was collected by the data collection system managed by Magellan. This database was specifically designed for substance abusers and mental health consumers with only limited information collected for gambling clients. This limited the outcomes and the usefulness of the data collected. This database is being specifically designed for data collection for Disordered Gamblers (previously called pathological or problem gamblers).

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

Section 4: Project Justification / Business Case (25 Points)

1. Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers).

This data collection system will be designed to measure success of the client and the program that provides services to the client. This system will be a onetime investment of \$100,000 with an ongoing budget item of \$3,500 for maintenance and upkeep. This data collection system enables the GAP to provide ongoing reports to stakeholders and the Nebraska Legislature as required in law.

Once built this system is built it will be ongoing. Current estimates for Magellan to continue the data collection with the changes needed to make it useful for outcome purposes far exceeds the development of this specific data collection system. Other comparable data collection systems used by other states would cost \$48,000 a year with no ability to own the software.

2. Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.

Using the current DHHS Magellan system was rejected by the commission as it provide very few gambling specific questions needed to best evaluate the outcomes for the individual or the provider of services. This system was burdened with federally required questions that were neither relevant nor cost effective for this non federally funded program.

Other states systems were evaluated and the ongoing costs for the use of "their" software was enough that this one time expenditure requested would be much more cost effective in two years.

Should no data collection system dollars be allocated additional resources would be needed to cover the cost of utilizing other less effective options and the cost of these other less effective collection systems would cost more in the next five years than all costs for the development of the proposed system.

6. If the project is the result of a state or federal mandate, please specify the mandate being addressed.

The Nebraska legislature requires an annual report of the progress of the GAP program. The data collected will be the basis of this annual report.

Section 5: Technical Impact (20 Points)

7. Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution. The project replaces the use of the DHHS Magellan program. Software will be developed based on the needs of the Nebraska Commission on Problem Gambling outcomes that are being developed in anticipation of this project being funded.

Strengths of the project are:

- Development of a gambling specific data collection system
- Reduction of paperwork required of providers of gambling treatment services (currently the Magellan system requires 52 pages of information to be gathered

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

on gambling clients)

- Outcome management is better determined by a gambling specific data collection system
- Data remains in Nebraska in a controlled environment with Nebraska Commission on Problem Gambling Commissioners who have expertise in retaining confidential information.

Weaknesses are:

- Ongoing maintenance is the responsibility of the GAP
- Other systems are available for use today and development will take time.

8. Address the following issues with respect to the proposed technology:

- Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.
- Address conformity with applicable NITC technical standards and guidelines (available at <http://nitc.ne.gov/standards/>) and generally accepted industry standards.
- Address the compatibility with existing institutional and/or statewide infrastructure.

The data collection database developed will need to be confidential and flexible. The outcome questions will be evaluated and some changes will be required as the GAP program develops and the needs of the individuals accessing the program changes. This will most likely require additional database manipulation and ongoing costs. These additional costs can more easily be managed in-house as owners of the database software rather than outsourced to other data collection entities.

All confidentiality and federal standards will be met in creating this confidential website. The Nebraska Commission on Problem Gambling is well aware of the applicable technology standards and as part of a larger Nebraska IT network has access to all necessary individuals needed to conform with all requirements.

Section 6: Preliminary Plan for Implementation (10 Points)

9. Describe the preliminary plans for implementing the project. Identify project sponsor(s) and examine stakeholder acceptance. Describe the project team, including their roles, responsibilities, and experience.

The NCPG has authorized the pursuit of additional funds for this project after exploring numerous options and costs. The Nebraska Commission on Problem Gambling has experience in development of database systems and confidentiality. The NCPG and its' designate will provide ongoing management of the project including development of the data fields and the ongoing budget management. The NCPG director has experience in budget management and project management.

10. List the major milestones and/or deliver-ables and provide a time-line for completing each.

Upon passage of the Deficit spending appropriations the following steps will be accomplished:

1. Creation of a team to develop the data fields needed to provide specific data needed for outcome measurement. This will be accomplished within 30 days of authorization

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

2. Contracting with an entity or agency to create database. 60 days after authorization.
3. Completion of database software. 120 days after authorization
4. Testing of software with current provider of GAP services 150 days after authorization
5. Complete use of software program 180 day after authorization

11. Describe the training and staff development requirements.

All GAP staff and all providers who will access the database will need to be trained after completion of the software. . It is anticipated only ongoing maintenance contracts will be needed and staff development will only be needed to identify potential problems for IT specialists will be required.

12. Describe the ongoing support requirements.

It is anticipated \$3,500 in yearly IT support will be needed. This will be provided in the main GAP budget as the current budget has \$25,000 in support currently budgeted.

Section 7: Risk Assessment (10 Points)

13. Describe possible barriers and risks related to the project and the relative importance of each.

Barriers to this project include:

- Funding

14. Identify strategies which have been developed to minimize risks.

The GAP program currently has over \$2,000,000 unauthorized funds in the account. Using this \$100,000 provides no fiscal impact on the current GAP program or the overall state general fund as this is a cash fund with ongoing revenues from the Lottery proceeds

GOALS, OBJECTIVES, AND OUTCOMES (15 PTS):

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

Upon passage of the Deficit spending appropriations the following steps will be accomplished:

1. Creation of a team to develop the data fields needed to provide specific data needed for outcome measurement. This will be accomplished within 30 days of authorization
2. Contracting with Dept. of Revenue or other agency to create database. 60 days after authorization.
3. Completion of database software. 120 days after authorization
4. Testing of software with current provider of GAP services 150 days after authorization
5. Complete use of software program 180 day after authorization

PROJECT JUSTIFICATION / BUSINESS CASE (25 PTS):

1. Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers).

This data collection system will be designed to measure success of the client and the program that provides services to the client. This system will be a onetime investment of \$100,000 with an ongoing budget item of \$3,500 for maintenance and upkeep. This data collection system enables the GAP to provide ongoing reports to stakeholders and the Nebraska Legislature as required in law.

Once built this system is built it will be ongoing. Current estimates for Magellan to continue the data collection with the changes needed to make it useful for outcome purposes far exceeds the development of this specific data collection system. Other comparable data collection systems used by other states would cost \$48,000 a year with no ability to own the software.

2. Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.

Using the current DHHS Magellan system was rejected by the commission as it provide very few gambling specific questions needed to best evaluate the outcomes for the individual or the provider of services. This system was burdened with federally required questions that were neither relevant nor cost effective for this non federally funded program.

Other states systems were evaluated and the ongoing costs for the use of "their" software was enough that this one time expenditure requested would be much more cost effective in two years.

Should no data collection system dollars be allocated additional resources would be needed to cover the cost of utilizing other less effective options and the cost of these other less effective collection systems would cost more in the next five years than all costs for the development of the proposed system.

6. If the project is the result of a state or federal mandate, please specify the mandate being addressed.

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

The Nebraska legislature requires an annual report of the progress of the GAP program. The data collected will be the basis of this annual report.

TECHNICAL IMPACT (20 PTS):

Section 5: Technical Impact (20 Points)

7. Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution. The project replaces the use of the DHHS Magellan program. Software will be developed based on the needs of the Nebraska Commission on Problem Gambling outcomes that are being developed in anticipation of this project being funded.

Strengths of the project are:

- Development of a gambling specific data collection system
- Reduction of paperwork required of providers of gambling treatment services (currently the Magellan system requires 52 pages of information to be gathered on gambling clients)
- Outcome management is better determined by a gambling specific data collection system
- Data remains in Nebraska in a controlled environment (Department of Revenue) who are experts in retaining confidential information

Weaknesses are:

- Ongoing maintenance is the responsibility of the GAP
- Other systems are available for use today and development will take time.

8. Address the following issues with respect to the proposed technology:

- Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.
- Address conformity with applicable NITC technical standards and guidelines (available at <http://nitc.ne.gov/standards/>) and generally accepted industry standards.
- Address the compatibility with existing institutional and/or statewide infrastructure.

The data collection database developed will need to be confidential and flexible. The outcome questions will be evaluated and some changes will be required as the GAP program develops and the needs of the individuals accessing the program changes. This will most likely require additional database manipulation and ongoing costs. These additional costs can more easily be managed in-house as owners of the database software rather than outsourced to other data collection entities.

All confidentiality and federal standards will be met in creating this confidential website. The Department of Revenue is well aware of the applicable technology standards and as part of a larger Nebraska IT network has access to all necessary individuals needed to conform with all requirements.

PRELIMINARY PLAN FOR IMPLEMENTATION (10 PTS):

IT Project Proposal Report - Detail

Agency: 016 - DEPT OF REVENUE

Budget Cycle: 2014 Deficit

Version: AF - AGENCY FINAL REQUEST

9. Describe the preliminary plans for implementing the project. Identify project sponsor(s) and examine stakeholder acceptance. Describe the project team, including their roles, responsibilities, and experience.

The NCPG has authorized the pursuit of additional funds for this project after exploring numerous options and costs. The Department of Revenue has suggested use of their IT team to provide the development of this software. They will most likely provide this development. They have experience in development of database systems and confidentiality. The NCPG and its' designate will provide ongoing management of the project including development of the data fields and the ongoing budget management. The NCPG director has experience in budget management and project management.

10. List the major milestones and/or deliver-ables and provide a time-line for completing each.

Upon passage of the Deficit spending appropriations the following steps will be accomplished:

1. Creation of a team to develop the data fields needed to provide specific data needed for outcome measurement. This will be accomplished within 30 days of authorization
2. Contracting with an entity or agency to create database. 60 days after authorization.
3. Completion of database software. 120 days after authorization
4. Testing of software with current provider of GAP services 150 days after authorization
5. Complete use of software program 180 day after authorization

RISK ASSESSMENT (10 PTS):

The Nebraska Commission on Problem Gambling will complete this database in accordance with all confidentiality and will provide an Request for proposals that will spell out all technical responsibilities of the contracted vendor. This RFP will be developed in conjunction with agency IT staff to insure all areas of technical requirements are met.

FINANCIAL ANALYSIS AND BUDGET (20 PTS):

After several conferences it was determined the needs of the program would require only minimal data to be collected. This data set has been drafted and the determined the cost would be at a maximum of \$100,000. This budget would include development and programing of a minimal data set that would house less than 200 open cases at a time.

The Nebraska commission has up to \$25,000 a year budgeted to improve on or continue to enhance the database once it is created. See budget as this is a one time database build.

Category	Description
Mandate	Required by law, regulation, or other authority.
Tier 1	Highly Recommended. Mission critical project for the agency and/or the state.
Tier 2	Recommended. High strategic importance to the agency and/or the state.
Tier 3	Other. Significant strategic importance to the agency and/or the state; but, in general, has an overall lower priority than the Tier 1 and Tier 2 projects.
Tier 4	Insufficient information to proceed with a recommendation for funding.

EnterpriseOne System Upgrade

The State uses JD Edwards EnterpriseOne (JDE) release 9.0 and tools 8.98.2 for its ERP system. This system is responsible for processing financial transactions for all State Agencies, as well as the University of Nebraska and State Colleges. In addition, the State uses JDE to process payroll and manufacturing; maintain fixed assets, capital assets, and inventory; and manage the procurement of goods and services, as well as the sales process for finished goods.

JDE 9.0 is only certified to use Internet Explorer (IE) versions 7 and 8 and is not supported by the newer versions of IE 9 and 10. Agencies across state government are moving to newer versions of IE which are required by other software applications utilized by the State. In addition, on April 8, 2014 Microsoft will no longer support Windows XP and IE 8.

JDE is a web based application and requires state employees (users) to access the internet in order to access the system. State of Nebraska employees utilize IE to access the internet and therefore access JDE. In order for the State to utilize JDE with IE versions 9 or 10, mobile technology, or other web browsers, the State must upgrade from JDE 9.0 to release 9.1.

Objectives of the project:

- Continued Oracle Support
- Technical Compliance (browser and operating system compatibilities)
- Current Technologies
- System Simplification
- Position for the Future

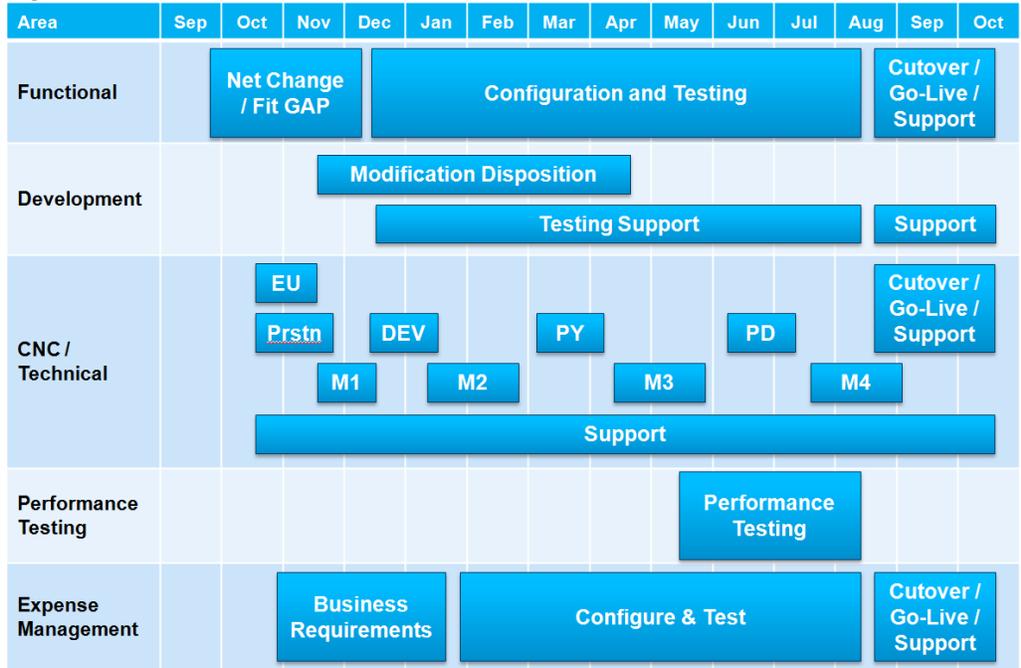
Benefits and Strategic Direction:

- Improve user productivity and experience through use of new features and technologies
- Increase collaboration with customers and suppliers
- Reduce total cost of ownership (TCO)
- Reduce complexity of custom modifications
- Reduce cost and negative impacts of inefficient systems
- Allow for common process models
- Enable or improve automation of processes

Agency Impact:

- Users will need to validate configuration and participate in testing cycles by executing the processes they perform on a day to day basis
- Users will need to complete "Net Change" training
- Users may need to be back-filled at times
- The project team may need agency heads to help resources with priorities

High Level Timeline:



Nebraska Information Technology Commission
Enterprise Project Status Dashboard – as of November, 2013

Project: LINK – Procurement		Contact: Bo Botelho				
Start Date	01/14/2013	Orig. Completion Date	10/31/2013	Revised Completion Date	01/06/2014	
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$1,895,800 (\$1,145,521.77 has been expended)						
Comments						
<p>November update: Currently in the new P.1 Tenant validating Business Process design and functionality.</p> <p>Additional Comments/Concerns: None</p>						

Project: Network Nebraska Education		Contact: Tom Rolfes				
Start Date	05/01/2006	Orig. Completion Date	06/30/2012	Revised Completion Date	07/01/2013	
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$675,998						
Comments						
<p>November update: Looking ahead to 7/1/2014, at least 14 new non-member entities in Southeast Nebraska have expressed interest in Network Nebraska-Education participation. This would require the Network Nebraska-Education backbone to be extended through an aggregation circuit to ESU 6 (Milford) and possibly a second one to ESU 5 (Beatrice). Backbone bandwidth capacity will be maxed out due to the limitations on the current contract with NebraskaLink. UNCSN network engineers are proceeding with planning and eventual implementation of the Internet2 Commercial Peering Service, Intrusion Prevention Services, and a dark fiber project to Grand Island/Kearney. The Network Nebraska Advisory Group (NNAG) and the Collaborative Aggregation Partnership (CAP) will be considering Affiliate Member criteria and fees at their meeting on November 20. The upcoming November-December RFP will have a smaller than usual list of circuits to be bid. UNL/UNCSN bid commodity Internet during Summer 2013 and the unit rates are much lower with the new contractor.</p> <p>September update: As of September 1, 2013, the UNCSN staff successfully transferred approximately 70 WAN circuits between 7/1/2013 and 8/9/2013 as their telecom providers have changed. Commodity Internet projections for 2013-14 show a 95% increase in Internet demand for K-12. Backbone bandwidth capacity will be maxed out due to the limitations on the current contract with NebraskaLink. UNCSN network engineers are proceeding with planning and eventual implementation of the Internet2 Commercial Peering Service, Intrusion Prevention Services, and a dark fiber project to Grand Island/Kearney. The Network Nebraska Advisory Group (NNAG) and the Collaborative Aggregation Partnership (CAP) finalized the 2013-14 Participation</p>						

Nebraska Information Technology Commission Enterprise Project Status Dashboard – as of November, 2013

Fee and Interregional Transport fee structures on June 12 and they were sent out to all Participants on or before July 19, 2013.

Additional Comments/Concerns:

The Network Nebraska-Education Participation Fee fund account has not received UNCSN's 1st quarter project invoice as of the date of this report, but it is expected, soon. UNCSN's 2nd quarter project invoice for 2013-14 should arrive in early February.

Project: Nebraska Statewide Radio System		Contact: Mike Jeffres				
(formerly Public Safety Wireless)						
Start Date	06/01/2009	Orig. Completion Date	09/30/2013	Revised Completion Date		
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$11,038,000 (\$10,158,000 has been expended)						
Comments						
<p>November update: System checklist and final deliverables in process.</p> <p>Additional Comments/Concerns: System acceptance and project closeout in process.</p>						

Project: Fusion Center		Contact: Kevin Knorr				
Start Date	04/13/2010	Orig. Completion Date	06/11/2011	Completion Date	08/01/2013	
	September	July	June	May	April	February
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$3,120,894.26 – actual costs to date						
Comments						
<p>September update: The project has been completed in August 2013.</p>						

**Nebraska Information Technology Commission
Enterprise Project Status Dashboard – as of November, 2013**

Project: Nebraska State Accountability (NeSA) – Year 2013-14 **Contact: John Moon**
(formerly Statewide Online Assessment)

Start Date	07/01/2010	Orig. Completion Date	06/30/2011	Revised Completion Date	06/30/2014	
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						

Project Estimate: \$5,212,085 (\$1,608,707.64 has been expended)

Comments

November update:
During the first week of October, NeSA and Check4Learning (C4L) trainings were presented on site across Nebraska. Several districts were visited by the DRC (Data Recognition Corporation) Tech team to present the INSIGHT system within the selected districts and address any district questions. No issues with the INSIGHT system were identified.

In addition to the WebEx trainings on NeSA Enrollment intended for District Assessment Contacts (October 1-3), trainings for District Technology Coordinators were presented during the week of October 22 through 24.

From October 28 through 31, DRC INSIGHT Online Learning System previews were presented at four locations throughout the state on the eDIRECT Test Setup and the Check4Learning system. Demonstrations of the new software were presented by DRC staff members. District questions were answered.

WebEx sessions on the C4L system will be presented on November 4-5, 2013. DRC provides technical support as well as system support during C4L usage. Districts will have access to the C4L system on November 17. Student names and IDs will be uploaded from NDE.

NDE requested each district name a District Technical Contact for 2013-2014. All districts have submitted a person for position. DRC has published INSIGHT Technology User Guide that includes installation instructions, system readiness guidance, troubleshooting tips, and frequently asked questions (FAQ). Districts also submit a security agreement from each principal and DAC in the districts.

September update:
The timeline for 2013-2014 NeSA and Check4Learning was finalized by DRC (Data Recognition Corporation) and NDE (Nebraska Department of Education) in July 2013.

DRC INSIGHT will be the computer-based test administration system for 2013-2014 writing, reading, math, and science assessments. Presentations by NDE and DRC were made at NDE’s Administrator Days on July 31, 2013 covering:

- eDIRECT Enrollments grid options
- Difference between the JAVA and Web-based DRC INSIGHT test engines
- Secure browser web-based version and “public version” downloads of test engine
- Unlocking, regenerating, and invalidating student tests in INSIGHT
- Activating accommodations for DRC INSIGHT
- NeSA – Practice writing tests
- District Technology Visits

During late September and early October, NDE and DRC have scheduled technology visits for 10 districts to provide

Nebraska Information Technology Commission Enterprise Project Status Dashboard – as of November, 2013

INSIGHT technical and test setup information to prepare for the transition from the previous online system.

The 2013 Technical Report was posted to the Statewide Assessment Website on September 3, 2013.

Additional Comments/Concerns:

Nebraska State Accountability (NeSA) is a statewide assessment system mandated by Nebraska Statute. Nebraska Department of Education has contracted with Data Recognition Corporation (DRC) to continue the development of the assessment system including management, development, delivery, administration, scanning/imaging, scoring, analysis, reporting, and standard setting for the online and pencil/paper reading, science, and mathematics tests for July 1, 2012 through June 30, 2013. DRC will facilitate the delivery, administration, scanning/imaging, scoring, analysis, and reporting for the alternate pencil/paper reading, science, and mathematics tests during the same assessment window. Online writing assessment will be added to the NeSA system in 2012 for grades 8 and 11.

Student data will be transferred from the Nebraska Student Staff Record System (NSSRS) to DRC's student data assessment system. The online subcontractor Computerized Assessments & Learning (CAL) for the online components of the assessment system will upload the student data from DRC. Schools will install CAL's software on local computers and software updates will be automatically uploaded when students log onto the assessment system. The student responses are cached on the local computer and sent to CAL. Each district has used CAL's school capacity process to evaluate online requirements for NeSA testing. The student responses for secure online assessments will be collected by CAL and transferred to DRC for analysis and reporting. During spring 2013, NDE is estimating that over 125,000 students will participate online in the Reading, Science, and Mathematics testing while about 40,000 students will complete the writing assessment online. Whereas the NeSA reading/science/math test window is from March 25 through May 3, 2013, the NeSA writing test window is January 21 through February 8, 2013. Test administrators will be able to monitor testing during the test window and review test results immediately after test administration (raw scores only). DRC's comprehensive corrections system will permit NDE to correct student records for duplicates, incorrect school assignment, etc during the month of May for writing and June for the reading, math, and science. Complete reporting of student results to districts, schools, and parents from DRC will be completed in August 2013 and reported in the State of the Schools Report in October 2013.

Project: Nebraska Regional Interoperability Network (NRIN)		Contact: Sue Krogman				
Start Date	10/01/2010	Orig. Completion Date	06/01/2013	Revised Completion Date	9/30/2015	
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$9,649,675 (\$6,155,324 has been expended as of August 29, 2013)						
Comments						
<p>NEMA is struggling with issues of governance and maintenance of the network. Governance would be needed at the local jurisdiction and not at the state agency (there is no state agency is heading the project, it's all run at the local jurisdiction). There is no formal governance heading the project.</p> <p>November update: Efforts at building new towers have been hindered due to FCC concerns and flight paths in the South Central Region. Efforts are continuing with the build-out of the system in the east end of the state.</p>						

Nebraska Information Technology Commission Enterprise Project Status Dashboard – as of November, 2013

September update:

Environmental reviews for identified sites in the northeast and southeast regions have been submitted and approved with none pending at this time although more are expected to be identified. NEMA identified other 2010 SHGP funds that were not being spent by some Regions before the grant period expired and those funds have been approved to use for this project which will lessen the demand for 2011 funds and future grant year dollars. Efforts continue in the Southeast, Northeast and South Central Regions to build new or move existing communications towers for use for this system. Funding timelines are problematic for this process due to the environmental review and bidding processes.

Additional Comments/Concerns:

It's possible that upcoming target dates might be missed. Based on the uncertainty of the infrastructure needed for the project and the time involved in obtaining the environmental approvals to proceed with the project, any target dates are fluid. In addition there has been a delay in completing, testing and accepting the Pilot Ring primarily due to the difficulty in locating adequate tower sites and negotiating leasing agreements and/or MOU's.

Project: MMIS		Contact:					
Start Date	N/A	Orig. Completion Date			N/A	Revised Completion Date	N/A
	November	September	July	June	May	April	
Overall Status							
Schedule							
Budget							
Scope							
Project Estimate:							
Comments							
Project On Hold until renewed							

Project: Adjudication Re-engineering (Phase 1A)		Contact: Randy Cecrle					
Start Date	09/01/2011	Orig. Completion Date			06/30/2012	Revised Completion Date	10/31/2014
	November	September	July	June	May	April	
Overall Status							
Schedule							
Budget							
Scope							
Project Estimate: \$6,800 (staff salaries are tracked internally and not reported)							
Comments							
<p>November update: The Presiding Judge has directed the project team to begin working with the Supreme Court and Nebraska Interactive LLC (hosting company of www.nebraska.gov) to pursue integrating with the E-Filing system used by the rest of the Nebraska courts.</p> <p>Because of the change in direction, this will be the last report submitted to the NITC associated with this specific project.</p>							

Nebraska Information Technology Commission Enterprise Project Status Dashboard – as of November, 2013

-----**Project Description**

CANCELLED PROJECT DESCRIPTION

Project 1a - Release of Liability E-Filing is focusing on the development of one pleading type to complete the full end-to-end set of e-filing functions and limited changes to Clerks Review to process the submitted e-documents in the same manner as performed today with paper.

September update:

The finish date has been moved from January 31, 2014 to October 31, 2014. Upcoming target dates will be missed due the availability of Adjudication staff to complete their tasks by daily operational activities, the training of new staff to maintain daily operations and the mandatory conversion of Adjudication procedures from Lotus Notes in June, 2014. The issues identified have been reviewed and analyzed by the project team against the project schedule and the impact of the schedule has been reviewed with management.

The third cycle of internal user acceptance testing and IT fixes identified in the testing are completed.

Additional Comments/Concerns:

None

Project: District Dashboards		Contact: Dean Folkers				
Start Date	07/01/2013	Orig. Completion Date	06/30/2015	Revised Completion Date		
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$213,518 (\$173,348.28 has been expended, grant funds only)						
Comments						
<p>November update: No report for November</p> <p>September update: Dashboard design team efforts to collect insights on the questions to be addressed have been completed. Results from the statewide information gathering efforts have been recorded and are being shared with Pilot districts. On August 21, 2013 NDE hosted representatives from Double Line Partners to provide an in-depth discussion of development and implementation of the Ed-Fi dashboard in Nebraska. Joining NDE were representatives from the ESUCC and Network Nebraska. NDE held an introductory webinar for Pilot School Districts and other partners on August 30, 2013. At this meeting, a revised project timeline and expectations were reviewed. The Ed-Fi base dashboard solution was demonstrated. Districts were asked to re-view the webinar with key local stakeholders, test the Ed-Fi base dashboard solution using connection information provided to districts, and contact NDE by September 13, 2013 to reaffirm their intent to commit to the pilot process. NDE is working with representatives from the University of Nebraska's In Common identity management process (Bret Bieber), along with ESUCC staff promoting similar efforts at the secondary education level (Scott Isaacson) to align efforts with dashboard requirements. NDE has met with and is working on an agreement for services relative to the hardware/software requirements of making the Ed-Fi dashboard a reality with the ESUCC and Network Nebraska. On August 27, 2013 NDE produced a completed draft version of Data Literacies, Concepts, and Indicators to serve as the base from which training materials will be developed for data analysis in school districts. Development of the Research and Evaluation division of NDE continues with collaborations with UNL and other Non-profit stakeholder organizations. An SLDS website has been developed, is currently live, and is being populated with relevant SLDS-related information.</p>						

Nebraska Information Technology Commission Enterprise Project Status Dashboard – as of November, 2013

July update:

It's possible that upcoming target dates could be missed. May need a no-cost extension due to late start on projects.

Dashboard pilot district applications have been received from 15 districts. Eight reviewers are currently reading and rating the applications. Finalists are expected to be determined by the end of July. Contracts will then be written for the September board meeting. The 24 members of the Design Team have submitted their Top 10 data needs and Top 10 questions to be answered by the dashboard. The responses are being collated and will be analyzed to identify the priorities for Nebraska. The Policy Advisory Committee met on June 26 and was apprised of progress to date. NDE has downloaded the source code and sample dashboards from Ed-Fi. The State Board has approved the purchase of 6 additional servers. NDE has begun discussions with OCIO about housing the dashboard on Network Nebraska.

Additional Comments/Concerns:

None

The project(s) listed below are reporting voluntarily and is not considered as an Enterprise Project by the NITC.

Project: NeSIS PeopleSoft Campus Solutions		Contact: Jim Zemke	
ADA Compliance			
Start Date	08/01/2010	Orig. Completion Date	12/31/2011
		Revised Completion Date	12/31/2013 09/01/2014
	November	September	July
	June	May	April
Overall Status			
Schedule			
Budget			
Scope			
Project Estimate: TBD			
Comments			
<p>November update: No report for November</p> <p>September update: The finish date has been moved from December 31, 2013 to September 31, 2014. Until the full extent of modifications required to meet the University's ADA compliance goals is determined it is difficult to predict if upcoming target dates will be missed.</p> <p>Work in progress to establish a clearly defined UN institutional position concerning "reasonable accommodation", evaluate the current ADA compliance level of our SIS system, and develop a strategy and plan to address any compliance issues. Additional staff has been added to the NeSIS project team recently and will assist in this effort. Compliance testing against the base Campus Solutions system will be completed first. Then we will begin evaluation of the additional applications related to SIS processing (e.g. the campus SIS portals, the Online Admissions application, etc.) that we have implemented. Required modifications will then be reviewed and prioritized and implemented as quickly as possible.</p> <p>June update: Work in progress to develop a plan to establish a clearly defined UN institutional position concerning "reasonable accommodation", evaluate current ADA compliance level of our SIS system, and develop a strategy to address any compliance issues.</p>			

Nebraska Information Technology Commission Enterprise Project Status Dashboard – as of November, 2013

Additional Comments/Concerns:

The vendor has certified the Campus Solutions student information system was ADA compliant. However, subsequent analysis indicates that some accessibility issues do exist and the level of compliance provided may not be adequate. Also, additional functionality beyond that included in the base Campus Solutions system has also been implemented and those functional components will also have to be evaluated.

Project: AFIS Upgrade		Contact: Anthony Loth				
Start Date	6/01/2013	Orig. Completion Date	2/13/2014	Revised Completion Date	--	
	November	September	July	June	May	April
Overall Status						
Schedule						
Budget						
Scope						
Project Estimate: \$750,000 (\$150,000 has been expended)						
Comments						
<p>November update: This project continues to progress smoothly and remains on target for our December 13 go-live date. The Installation/Transition plan has been fully approved. MorphoTrak ran into some issues regarding data migration so they have made the decision to do the data migration on-site in Nebraska. To accomplish this, MorphoTrak will need to move up the milestone date for Hardware Delivery and On-site installation of the hardware. Delivery is not scheduled for Tuesday, November 4 and installation will be completed on November 5. Data Migration will also be moved up to begin on November 5 or 6 instead of November 13. When all is said and done, doing the data migration on-site will eliminate a couple of import/export steps that will ultimately shave off two weeks processing time from the original plan. All other dates remain unchanged.</p> <p>September update: This project continues to progress smoothly. The Requirements Definition and the Site Preparation Survey documents have both been approved and MorphoTrak has provided NSP with the first draft of the Acceptance Testing Plan for review. We are scheduled to begin bi-weekly progress meetings with the MorphoTrak and NSP upgrade teams on September 4. MorphoTrak received the hardware for the upgrade on 8/23/13, 13 days ahead of schedule. MorphoTrak has cloned the NSP system at their Anaheim location to aid in the project work.</p> <p>Additional Comments/Concerns: None</p>						

Nebraska Information Technology Commission
Enterprise Project Status Dashboard – as of November, 2013

Color Legend		
	Red	Project has significant risk to baseline cost, schedule, or project deliverables. Current status requires immediate escalation and management involvement. Probable that item will NOT meet dates with acceptable quality without changes to schedule, resources, and/or scope.
	Yellow	Project has a current or potential risk to baseline cost, schedule, or project deliverables. Project Manager will manage risks based on risk mitigation planning. Good probability item will meet dates and acceptable quality. Schedule, resource, or scope changes may be needed.
	Green	Project has no significant risk to baseline cost, schedule, or project deliverables. Strong probability project will meet dates and acceptable quality.
	Gray	No report for the reporting period or the project has not yet been activated.