

**AGENDA**  
**NEBRASKA INFORMATION TECHNOLOGY COMMISSION**  
**University of Nebraska – Kearney**  
**Ockinga Center - Conference Room**  
**2505 20th Avenue**  
**Kearney, Nebraska**  
**Thursday, November 12, 2015**  
**10:00 a.m.**

10:00 a.m.	<ol style="list-style-type: none"> <li>1. Roll Call, Meeting Notice &amp; Open Meetings Act Information</li> <li>2. Welcome – Chancellor Kristensen</li> <li>3. Public Comment</li> <li>4. Approval of Minutes* - July 23, 2015</li> </ol>	Chair
10:10 a.m.	<ol style="list-style-type: none"> <li>5. Statewide Technology Plan*               <ol style="list-style-type: none"> <li>a. State Government IT Strategy</li> <li>b. Cloud Strategy</li> <li>c. State IT Spending Analysis</li> <li>d. IT Security</li> <li>e. Network Nebraska</li> <li>f. Digital Education</li> <li>g. Community IT Development</li> <li>h. eHealth</li> <li>i. Nebraska Spatial Data Infrastructure (NESDI)</li> </ol> </li> </ol>	Ed Toner           Tom Rolfes           Anne Byers           Nathan Watermeier
11:35 a.m.	<ol style="list-style-type: none"> <li>6. Reports and Action Items from the Councils and Technical Panel               <ol style="list-style-type: none"> <li>a. eHealth Council – Membership*</li> <li>b. GIS Council – Membership</li> <li>c. Technical Panel                   <ol style="list-style-type: none"> <li>i. Enterprise Projects – Status Report</li> <li>ii. Enterprise Project Closure* - Administrative Services - EnterpriseOne System Upgrade</li> </ol> </li> </ol> </li> </ol>	Anne Byers Nathan Watermeier Walter Weir
11:45 a.m.	<ol style="list-style-type: none"> <li>7. Informational Items               <ol style="list-style-type: none"> <li>a. FirstNet</li> <li>b. DOT.Comm</li> <li>c. Statewide Radio System Drill</li> </ol> </li> </ol>	Ed Toner   Jayne Scofield
11:55 a.m.	<ol style="list-style-type: none"> <li>8. Other Business</li> </ol>	Chair
12:00 p.m.	<ol style="list-style-type: none"> <li>9. Adjourn</li> </ol>	Chair

\* Action item

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 22, 2015. The agenda was posted to the NITC website on November 6, 2015.

Nebraska Open Meetings Act

Future Meeting Dates:

- March 10, 2016
- July 14, 2016
- November 10, 2016

**Video Conference Site** [Neb. Rev. Stat. § 84-1411(2)]

University of Nebraska – Lincoln  
Varner Hall - Room 232  
3835 Holdrege Street  
Lincoln, Nebraska

## NEBRASKA INFORMATION TECHNOLOGY COMMISSION

Thursday, July 23, 2015, 10:00 a.m.

Leadership Center, 2211 Q Street

Aurora, Nebraska

### MINUTES

#### MEMBERS PRESENT:

Felix Davidson, Governor's Office, Chair  
Senator Curt Friesen, Nebraska Legislature  
Brad Moline, Allo Communications  
Dr. Terry Haack, Bennington Public Schools  
Donna Hammack, Saint Elizabeth Foundation  
Dan Shundoff, Intellicom  
Randy Meininger, City of Scottsbluff  
Gary Warren, Hamilton Telecommunications  
Walter Weir, University of Nebraska

**MEMBERS ABSENT:** Dorest Harvey, USSTRACTCOM/AFLCMS-HBCC

#### ROLL CALL, NOTICE OF MEETING & OPEN MEETINGS ACT INFORMATION

The meeting was called to order at 10:00 a.m. Roll call was taken. A quorum was present. The meeting notice was posted to the [NITC website](#) and the [Nebraska Public Meeting Calendar](#) on June 25, 2015. The agenda was posted to the NITC website on July 17, 2015. A copy of the Nebraska Open Meetings Act was available on a table in the back of the meeting room.

#### APPROVAL OF MAY 21, 2015 MINUTES

**Commissioner Weir moved to approve the [May 21, 2015](#) minutes as presented. Commissioner Shundoff seconded. Roll call vote: Davidson-Yes, Haack-Yes, Hammack-Yes, Meininger-Yes, Moline-Yes, Shundoff-Yes, Warren-Yes and Weir-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.**

#### PUBLIC COMMENT

There was no public comment.

#### INTRODUCTION OF NEW STATE CHIEF INFORMATION OFFICER

Ed Toner, new State CIO, was introduced to the Commission. Mr. Toner acknowledged and congratulated Brenda Decker for her achievements as CIO. Mr. Toner began his position on June 9 and stated that he has been impressed with the staff of the Office of the CIO. He shared his three priorities: security, consolidation, and availability and that he is looking forward to working with the Commission.

#### NITC STRATEGIC INITIATIVES

Anne Byers

The NITC Strategic Initiatives were presented to the Commission at the last meeting. Per the recommendation of the NITC, some metrics have been added along with strengths/assets and barriers. The NITC Advisory groups will be developing action plans to meet the strategic initiatives. The plan will be on the November NITC meeting agenda for approval.

Commissioners provided feedback on the initiatives and requested that objectives and metrics be more closely aligned.

Commissioner Weir asked about the next steps for Network Nebraska. He shared that other state networks are providing services such as single sign on (CAL Cloud). Indiana has a data center for education. Mr. Needham said that Network Nebraska will have a visioning meeting in August which will address the future of Network Nebraska. Ms. Byers mentioned Lincoln City Libraries will be joining Network Nebraska this year. This may stimulate interest in additional libraries joining Network Nebraska. Commissioner Moline suggested looking at other states to see what they are getting for the same amount of money. This may be helpful in marketing Network Nebraska.

Commissioners also had questions about the Community IT Development initiative. Ms. Byers explained that data on broadband service provided via satellite was not included in the maps. Broadband via satellite has too much latency to be used for virtual private networks (VPN). Commissioners asked about the overlap between Network Nebraska and Community IT Development. Ms. Byers explained that Network Nebraska leases facilities. Any investments made by telecommunications providers for Network Nebraska can also be made available to businesses, residences, and other entities in Nebraska. Commissioner Haack asked about the role of the Public Service Commission and the Nebraska Universal Service Fund. Ms. Byers explained that the Public Service Commission is a partner in this initiative. Nebraska is one of only four states to support broadband through state universal service funds.

State IT Spending is a new initiative that will need further development. IT spending is decentralized with limited governance from the OCIO. Currently, there is an effort to revise the state accounting object codes to provide more specific information on categories of spending.

Due to time constraints, further discussion was tabled. Commissioner Davidson suggested doing a deeper dive at the November meeting.

## **REPORTS FROM THE TECHNICAL PANEL AND ADVISORY COUNCILS**

### **REPORT – STATE GOVERNMENT COUNCIL**

Ed Toner, Chair

**IT Procurement Reviews.** The NITC by statute must review and approve IT spending. The Office of the CIO is now asking agencies to comply with the existing NITC standard and provide more information regarding their requests. IT purchase reviews are done weekly in the Office of the CIO.

**Agency IT Plans.** The OCIO will be developing an interactive database where agencies will be required to update their Agency IT Plans. This will assist in determining where there is duplication and in moving to a service model which reduces costs and provides better security and greater efficiency.

### **COMMUNITY COUNCIL**

Anne Byers, Community IT Manager

**Broadband Workbook.** *Leveraging Broadband in Your Community: A Workbook to Help Communities Stimulate Broadband Development* is now available at <http://broadband.nebraska.gov/workbook/html5/index.html>. A press release about the workbook and the awards program was released by the University of Nebraska.

**Broadband Awards Program.** The Nebraska Broadband Initiative is accepting nominations for outstanding community broadband projects until August 14, 2015. Projects will be recognized in three categories:

- Outstanding Infrastructure Development Project
- Outstanding Digital Literacy Project
- Outstanding Youth Project

Awards will be presented at the Rural Futures Conference in Lincoln on Wednesday, Oct. 21, 2015. Additional information is available at <http://unlcms.unl.edu/ianr/extension/nebraska-broadband/broadband-awards>.

**Rural Futures Conference Sessions.** The Nebraska Broadband Initiative is organizing several broadband sessions for the Rural Futures Conference which will be held October 21-23 in Lincoln. More information is available at [ruralfutures.nebraska.edu](http://ruralfutures.nebraska.edu).

## **EHEALTH COUNCIL**

Anne Byers, Community IT Manager

**Membership.** The eHealth Council formed a nomination subcommittee to solicit nominations for new members. The slate of new members is included in the meeting materials: Sheri Dawson, Division of Behavioral Health; Bridget Young, Visiting Nurse Association; Cindy Kadavy, Nebraska Health Care Association; Anna Turman; Kathy Cook, Lincoln-Lancaster County Health Department; Joni Booth, Gallup; Robin Szwanek, AARP; June Ryan, Retired; Todd Searls, Wide River and Dr. Jim McClay, UNMC. The approval of the nominees is an action item.

**Commissioner Haack moved to approve the eHealth Council's nominations for council membership. Commissioner Moline seconded. Roll call vote: Weir-Yes, Warren-Yes, Shundoff-Yes, Moline-Yes, Meininger-Yes, Hammack-Yes, Haack-Yes, and Davidson-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.**

**Grant Update.** The NITC/Office of the CIO submitted a grant application to the U.S. Department of Health and Human Services Office of the National Coordinator for Health IT for nearly \$3 million in funding for health information exchange development on April 6, 2015. The proposed project would add additional Critical Access Hospitals and long term care facilities to NeHII, provide assistance in intergrating health information into provider workflows, and provide population analytics. The expected award date was June 12, 2015. To this date, awards have not been announced.

**NeHII Update.** NeHII continues to add hospitals and providers. Chase County Hospital in Imperial is now live. By the end of September 2015, implementations for CHI Health St. Elizabeth and CHI Health Nebraska Heart in Lincoln, NE; CHI Health Good Samaritan in Kearney, NE; CHI Health St. Francis in Grand Island, NE; CHI Health St. Mary's in Nebraska City, NE; and CHI Health Plainview in Plainview, NE will be complete. The addition of these hospitals will bring the percentage of hospital beds in the state covered by NEHII to 62%. NeHII will hold its annual meeting August 6 in Sidney. Speakers include Scott Iverson, Chief Operating Officer for Optum; Frat Iqbal, Sr. Manager of Clinical Affairs at NYU Longone Medical Center, and Calder Lynch, Director of NDHHS Division of Medicaid and Long-Term Care.

## **EDUCATION COUNCIL**

Gary Needham, Education Council Co-Chair

**Visioning Subcommittee.** The Education Council has met once since the Commission's last meeting in May but the Visioning Subcommittee has been hard at work reviewing the Network Nebraska and Digital Education strategic initiatives. The Education Council will meet on August 19 and will be reviewing all current action item progress and development of recommendations for new action items for both initiatives, but particularly Digital Education. The action items will be ready for the November NITC meeting.

Mr. Becker reminded the Commission that by statute the Commission will need to formally adopt the Statewide Technology Plan at the November meeting.

**Membership.** Mr. Rolfes sent out the notice of membership renewal to the executive officers of the professional associations that are represented on the Education Council. The membership nomination document in the meeting materials highlighted two new members nominated to join the Council. Mark Askren, Chief Information Officer of the UNL Campus will be replacing Yvette Holly in representing the University of Nebraska. Ted DeTurk, Administrator of ESU 2 in Fremont, will be replacing Bob Uhing, who will be retiring. The Education Council acknowledged and thanked Yvette and Bob for their many years of service to the Education Council and the NITC. Mike Lucas, Superintendent of York, will continue to serve

until the Nebraska Council of School Administrators have made their nomination. All other members are renewing their terms. If there are no questions, the Council would invite the Commissioners to approve this nomination slate.

**Commissioner Hammack moved to approve the Education Council's membership recommendation. Commissioner Weir seconded. Roll call vote: Davidson-Yes, Haack-Yes, Hammack-Yes, Meininger-Yes, Moline-Yes, Shundoff-Yes, Warren-Yes, and Weir-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.**

**Network Nebraska Update.** On behalf of all the new and existing member entities on Network Nebraska, Commissioner Weir's team at UNCSN was thanked for such a smooth network transition in June and July. Updates include:

- 14 new school districts from ESU 3 joined Network Nebraska over a new 8 Gigabit circuit.
- The Omaha egress Internet access was cut over from Unite Private Networks to Cogent Communications.
- The ESU 6 aggregation circuit is in the process of being upgraded from 1,000Mbps to 1,500Mbps.
- The Catholic Diocese of Lincoln schools are in the process of being added to the Network.
- The 2015-16 Annual Fee Memo will soon be sent by the new CIO, Ed Toner.
- The Participation Fee will decrease to \$205.35/month and the Interregional Transport Fee will increase slightly to \$22/month.
- The average unit rate for Internet access (pre-Erate) decreased from \$1.28/Mbps/month to \$.94/Mbps/month.
- OCIO and UNCSN staff will soon start the 2015 RFP process to rebid over 200 WAN circuits and the statewide backbone.

## **GIS COUNCIL**

Nathan Watermeier, State GIS Coordinator

**Membership Update.** There are two GIS Council seats up for renewal in September 2015. The League of Nebraska Municipalities (LNM) has reappointed Lash Chaffin (Lincoln) and the Nebraska Association of Resource Districts (NARD) has appointed Jeff Sprock (Scottsbluff). By statute, these seats are nominated by LNM and NARD and are appointed by the Governor.

### **NESDI Strategic Initiative Update.**

Elevation. The Elevation Business Plan was approved by the GIS Council on March 26, 2015. The business plan is posted at the following location: [http://nitc.ne.gov/gis\\_council/workgroups/elevation/documents/NITCGISCouncilElevationBusinessPlan2015.pdf](http://nitc.ne.gov/gis_council/workgroups/elevation/documents/NITCGISCouncilElevationBusinessPlan2015.pdf). The plan takes a comprehensive approach and details the organizational needs, technology and human resource requirements, required product deliverables, funding requirements, legislative support, implementation plans, and a marketing and outreach strategy. The working group was successful in receiving a cost-share contract with the United States Geological Survey (USGS) to begin acquiring LiDAR data in western Nebraska. This effort was a result of several partners working together. These Partners include the Natural Resource Districts (NRD), State agencies, Natural Resources Conservation Service (NRCS), Federal Emergency Management Agency (FEMA), and USGS. The estimate for the project is \$1.3 million with USGS providing up to 50% match. Flight acquisition of data is expected to begin this fall.

Land Records. A Nebraska Statewide Parcel Geodatabase Development and Implementation Plan was finalized in May with input from the GIS Assessors Committee. The plan outlines expectations of the State's public records request and a timeline going forward to obtain core parcel data and GIS files. This effort has also leveraged a data sharing partnership effort by working together and identifying state level data that can also go back to counties to support their needs.

Street Centerline Address Database. The recent street centerline and address standards were presented to the State E-911 Advisory Board to begin to address questions and begin developing partnerships to further build recommendations going forward as we develop plans to transition to NG-911. Several state agencies have partnered towards a shared service for a statewide ELA contract with InfoGroup to acquire statewide address and demographic data for the state. It is available to any state agency, city/local government, other state eligible political subdivision, college, or university (except University of Nebraska Medical Center).

NebraskaMAP. The inventory process of evaluating geospatial data is still continuing. There are many geospatial data sets that are not meeting NITC Metadata standards. This is one of the requirements to be fulfilled before data can be made publicly available through the new clearinghouse. A geospatial data and content management policy has been drafted and will be shared with the GIS Council at their next meeting. The working group is developing plans to assist those with updating their metadata records. A data management and cataloging system designed specifically for geospatial data has been assembled and is currently being tested for security.

## **TECHNICAL PANEL**

Walter Weir, Chair

### **Enterprise Projects - [Status Report](#)**

Mr. Weir used the agenda [document](#) to provide an update on the status of the Enterprise Projects currently reporting to the Technical Panel.

## **INFORMATIONAL UPDATES**

**Audit.** The Department of Administrative Services (DAS) is going through an audit. The scope of the audit includes the OCIO and NITC. It has been 10 years since the last audit.

## **OTHER BUSINESS**

There was no other business.

Commissioner Davidson expressed his thanks and appreciation to the NITC Commissioners for their time and expertise in assisting the State of Nebraska.

## **ADJOURNMENT**

**Commissioner Moline moved to adjourn. Commissioner Haack seconded. All were in favor. Motion carried.**

The meeting was adjourned at 12:05 p.m.

Meeting minutes were taken by Lori Lopez Urdiales and reviewed by the NITC staff.



# **Strategic Initiatives and Action Items**

**for  
Nov. 12, 2015 NITC Meeting**

# State Government IT Strategy

Chief Information Officer

## Objective:

- *To develop and implement a strategy for the use of information technology by Nebraska state government.*

## Description:

Develop and implement a comprehensive strategy for use of information technology by Nebraska state government. The strategy will utilize a hybrid centralization model combining elements of both the centralized and decentralized IT management models. Enterprise technologies will be centralized and agency specific activities will remain with the agencies.

## Top Priorities:

- Security
- Consolidation
- Availability

## Strengths/Assets:

- Leadership support.
- Use of a hybrid centralization model allows the OCIO to handle enterprise technologies while agencies maintain authority over agency specific activities and functions.

## Challenges/Issues:

- In order for the hybrid structure to work, there has to be strong cooperative and collaborative management between OCIO and agency IT management.

## Collaborators:

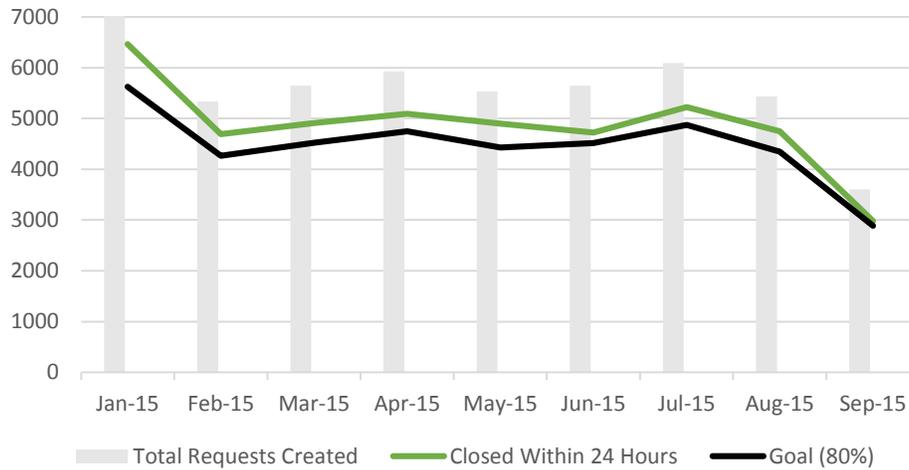
- OCIO
- State Government Council
- Technical Panel
- State Agencies

## Recent Accomplishments:

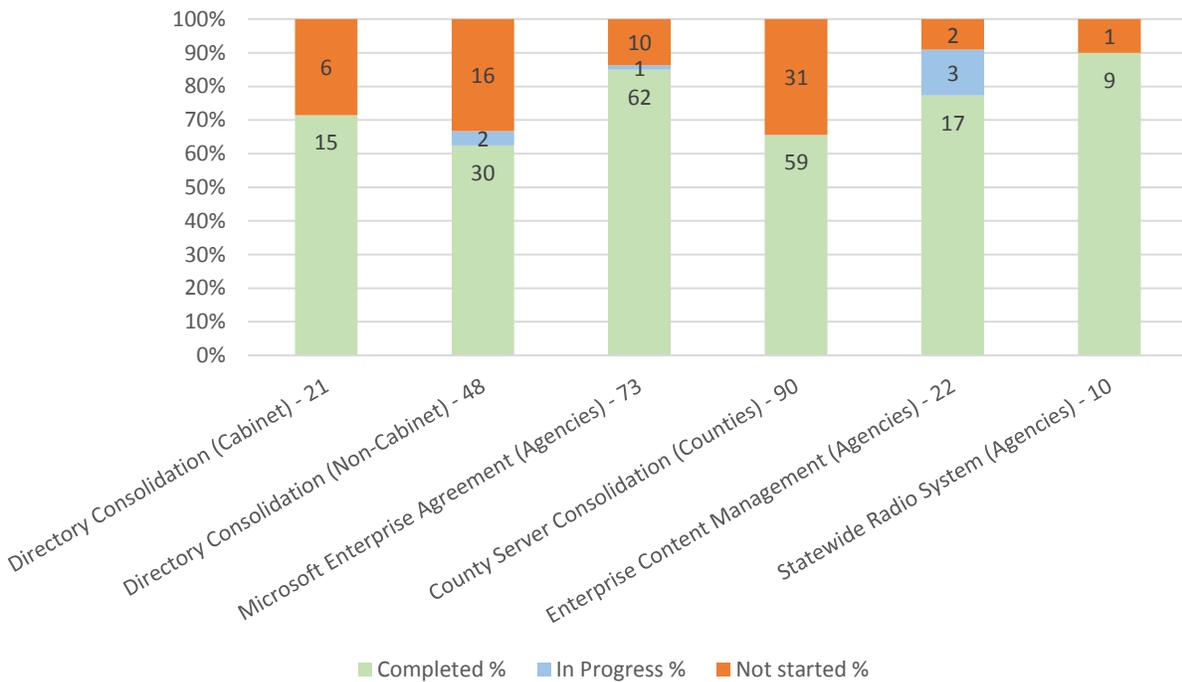
- Single Help Desk Solution has been implement for initial group of agencies.

## Metrics

### Help Desk - Requests



### Adoption Rate of Shared Services



## **Action Items**

### **1. Action: Single Help Desk Solution - Incident Management Implementation**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** July 2015 – June 2016

**Funding:** None

**Targets/Deliverables:**

- 1.1. Implement solution and migrate initial group of agencies
- 1.2. Migrate remaining agencies in phases.

### **2. Action: Service Catalog Implementation**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** September 2015 – March 2016

**Funding:** None

**Targets/Deliverables:**

- 2.1 Create service catalog for OCIO.
- 2.2 Add other cabinet agencies.

### **3. Action: Change Management Solution Implementation**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** September 2015 – May 2016

**Funding:** None

**Targets/Deliverables:**

- 3.1 Create service catalog for OCIO.
- 3.2 Add other cabinet agencies

### **4. Action: Enhance Information Security**

**See “IT Security” Initiative**

### **5. Action: Enhanced Operations Center**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** July 2015 – June 2016

**Funding:** None

**Targets/Deliverables:**

- 5.1 System performance reports and dashboards
- 5.2 Combine Operations and Help Desk
- 5.3 Fully functional 24/7 Operations Center
- 5.4 Migrate from Help Desk to Service Desk
- 5.5 Establish Problem Management process
- 5.6 Establish Service Manager Program

**6. Action: IT Cost Efficiencies**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** July 2015 – June 2016

**Funding:** None

**Targets/Deliverables:**

- 6.1 Review process in support of the State's IT spending. (See "State IT Spending Analysis" Initiative)
- 6.2 Assess environment - existing infrastructure and applications (Agency IT Plans)
- 6.3 Server virtualization and optimization
- 6.4 Implementation of CMDB and full asset management processes
- 6.5 Develop a Cloud Strategy (See "Cloud Strategy" Initiative)
- 6.6 Develop a Mobile Application Platform Strategy

**7. Action: Operationalize IT and Project Governance**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** October 2015 – June 2016

**Funding:** None

**Targets/Deliverables:**

- 7.1 Enterprise Application governance (Ex: Service Desk tool)
- 7.2 Enterprise Project Governance - PMO
- 7.3 Enterprise Infrastructure Governance

**8. Action: Consolidate on STN Domain**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** July 2015 – June 2016

**Funding:** None

**Targets/Deliverables:**

- 8.1 Implement phased migration

**9. Action: Data Center Consolidation - Agency Server Migration**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** July 2015 – September 2016

**Funding:** None

**Targets/Deliverables:**

9.1 Implement phased migration

**10. Action: Initiate Active/Hot Standby Solution - Enterprise Apps**

**Lead:** OCIO

**Participating Entities:** OCIO; State Agencies

**Timeframe:** July 2015 – December 2016

**Funding:** None

**Targets/Deliverables:**

10.1 Core network equipment at both locations

10.2 Implement phased migration

# Cloud Strategy

## Chief Information Officer

### Objective:

- *To develop a strategy for the use of cloud based services by Nebraska state government.*

### Description:

Research and develop a comprehensive strategy for use of cloud based services by Nebraska state government.

- Research shows that organizations with an enterprise-wide cloud strategy are far more successful at using the cloud to reduce costs, improve efficiency, and increase business agility.
- Categories: Private Cloud, Public Cloud, Hybrid Cloud  
Types: SAAS, IAAS, PAAS
  - Private Cloud (The OCIO provides private cloud services.)
    - A private cloud can be built and managed by either internal IT or an external service provider, typically on-premise inside your firewall. IT services are offered to the organization's internal customers via chargeback capabilities. These services are core to your business, and contain highly confidential and sensitive information.
  - Public Cloud
    - Best suited for applications that tend to have low strategic value and high operational flexibility requirements such as archive storage.
  - Hybrid Cloud (A viable option especially for SAAS and currently in use.)
    - Applications that have low strategic value with workloads that are unpredictable and require flexibility and scalability for spikes in demand.
- Topics for consideration:
  - Examine the potential benefits of moving services to the cloud.
  - Determine infrastructure needed to implement the strategy.
  - Identify security, legal and other restrictions.
  - Research best practices for use of the cloud by governmental agencies.
  - Identify the appropriate uses for of the various types of cloud services -- public cloud, private cloud, and hybrid cloud.
  - Develop a framework for categorizing functions/applications based on appropriateness for using cloud services.
  - Examine dimensions such as strategic value and operational flexibility for categorization of functions/applications.
  - Identify and prioritize initial projects.
  - Identify metrics for measuring successful implementation of the strategy.

### Strengths/Assets:

- The State has experience using various cloud services. Lessons learned can be incorporated into the strategy.
- Cloud services are a becoming a more mature service offering.

### Challenges/Issues:

- Multiple agencies with varying requirements will need to participate in developing the strategy.

**Collaborators:**

- OCIO
- State Government Council
- Technical Panel
- State Agencies

**Recent Accomplishments:**

- Not applicable; new initiative.

**Metrics**

- None. Deliverable for this initiative is a strategy document.

**Action Items****1. Action: Develop a strategy for the use of cloud based services by Nebraska state government.**

**Lead:** OCIO

**Participating Entities:** OCIO; State Government Council; Technical Panel; State Agencies

**Timeframe:** January 2016 – July 2016

**Funding:** None

**Targets/Deliverables:**

1.1. Cloud Strategy Document

# State IT Spending Analysis

Chief Information Officer

## Objective:

- *To gain a better understanding of information technology spending by Nebraska state government.*

## Description:

Research and prepare an analysis of information technology spending by Nebraska state government.

- Institute a central governance model for technology purchases and roadmap.
- Identify and consolidate and/or eliminate disparate technology (HW/SW) within and across State agencies. To include enterprise software agreements.
- Standardize personal workstation platforms reducing complexity, cost per unit and cost of end user management.
- Consolidate and optimize IT infrastructure support staff where appropriate. Services requiring agency-specific competencies will remain at the agency.
- Define model and process for governance and standardization around shared services and shared infrastructure.

## Strengths/Assets:

- Agencies use a single accounting system to enter spending data.

## Challenges/Issues:

- Limited historically information available.
- Accounting codes used by agencies do not capture spending information in a manner useful for analyzing IT related spending. New codes are needed.

## Collaborators:

- OCIO
- State Accounting Division
- State Budget Division
- State Agencies

## Recent Accomplishments:

- New accounting codes for information technology have been created. The OCIO is currently pilot testing the use of these codes. Agency financial leads were briefed on the use of the new codes.

## Metrics

- None. Deliverable for this initiative is an analysis document.

## Action Items

### 1. Action: Create new accounting codes to better capture IT related spending.

**Lead:** State Accounting Division

**Participating Entities:** OCIO; State Budget Division

**Timeframe:** July 2015 – January 2016

**Funding:** None

**Targets/Deliverables:**

- 1.1. New accounting codes and definitions
- 1.2. Pilot test new codes
- 1.3. Roll-out new codes to cabinet agencies

### 2. Action: Develop reporting tools using the new accounting codes.

**Lead:** State Accounting Division

**Participating Entities:** OCIO; State Budget Division

**Timeframe:** November 2015 – January 2016

**Funding:** None

**Targets/Deliverables:**

- 2.1. Design reports to be generated by the accounting system using the new codes.

### 3. Action: Prepare an analysis of information technology spending by Nebraska state government.

**Lead:** OCIO

**Participating Entities:** State Government Council

**Timeframe:** January 2016 – June 2016

**Funding:** None

**Targets/Deliverables:**

- 3.1. IT Spending Analysis Document

# Security

## Chief Information Officer

### Objectives:

- *To define and clarify policies, standards and guidelines, and responsibilities related to the security of the state's information technology resources.*
- *Review Security Settings on State Hardware and Software*
- *Review Security Requirements for IT Purchases*
- *Security Awareness Training and Education*
- *Security Assessments and Risk Assessments on Data and Facilities*
- *Vulnerability Management Scanning*
- *Application Vulnerability Scanning*
- *Compliance with Federal Regulations for PCI, HIPAA, IRS, CJIS, SSA. Following the NIST Framework*
- *Statewide reporting mechanism for security related events*
- *Statewide Security Operations Center in cooperation with the University of Nebraska System*
- *Statewide Computer Emergency Response Team (CERT)*

### Challenges/Issues:

- Lack of Funding
- Lack of Staff
- De-centralized IT structure for the state including agency Information Security Officers

### Collaborators:

- Security Architecture Workgroup
- University of Nebraska System
- SouthEast Community College
- Department of Homeland Security
- Federal Bureau of Investigation
- Nebraska Information Assurance Center
- OWASP

### Recent Accomplishments:

- Gap analysis performed on NITC Standards identifying items needing to be addressed to bring the standards up to NIST framework criteria
- Cyber Resilience Review (Security Assessment) performed by the Department of Homeland Security for 6 State of Nebraska Agencies
- Deployed Albert monitoring system from MS-ISAC to measure anomalies in netflow.
- Completed inventory of Personally Identifiable Information
- 10<sup>th</sup> Annual Cyber Security Conference was held

## Metrics

### NCATS – Number of Vulnerable Hosts on the Public IP Facing Address Space

The total number of vulnerabilities found in this test was 68. This total will be used in a comparison over time with future Cyber Hygiene assessments.

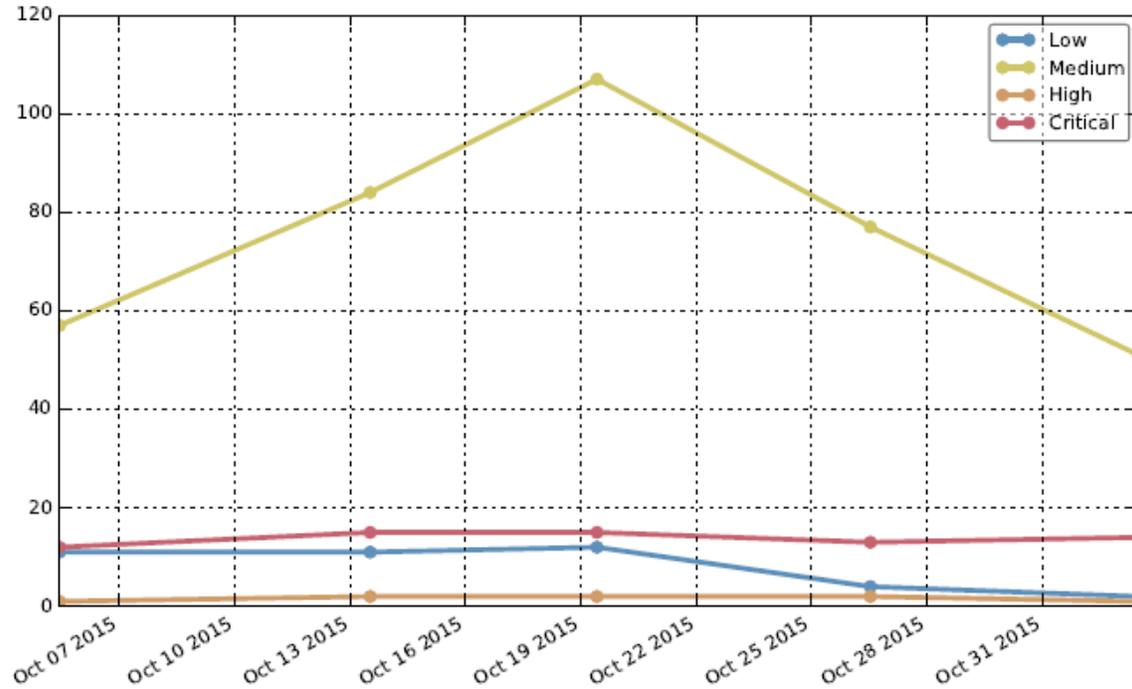
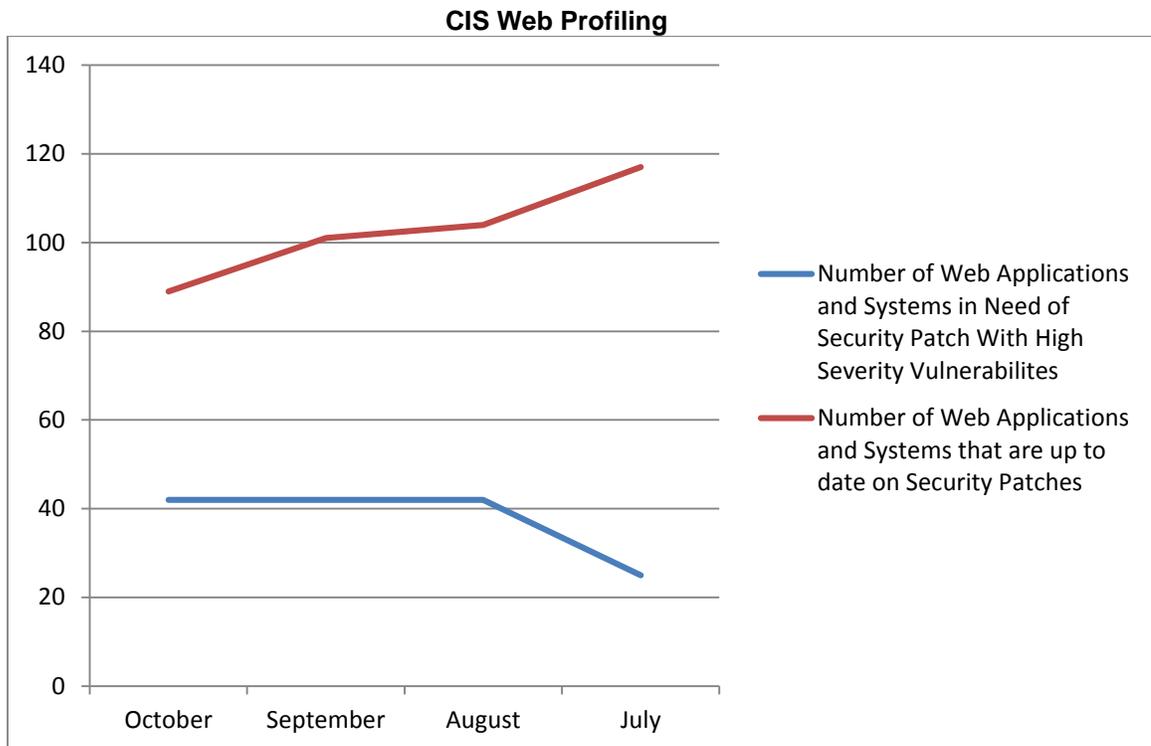


Figure 11: Trending of Total Vulnerabilities by Type

	Current Report	Previous Report	% Change
Hosts	69	72	-5.0%
Vulnerable Hosts	21	23	-9.0%
Distinct Operating Systems	45	45	0.0%
Distinct Vulnerabilities Identified	12	16	-25.0%

Data obtained from the Department of Homeland Security



Data From Multi State – Information Sharing and Analysis Center showing the patch status for public facing Web Applications and Systems

## Action Items

**1. Action:** Complete Mobile Device Management solution implementation (MaaS360 from Fiberlink / IBM)

**Lead:** Chris Hobbs, State of Nebraska Information Security Officer

**Participating Entities:**

**Time Frame:** October 2015 – January 2016

**Funding:** Charge back to Agencies

**Targets / Deliverables:**

- MaaS360 will be installed on all mobile devices authenticating to the State of Nebraska network.

**Current Status:** Testing of product has been completed. Information is being gathered to determine the funding for the product.

**2. Action:** Complete transition to Security Mentor Security Awareness videos for all state employees

**Lead:** Chris Hobbs, State of Nebraska Information Security Officer

**Participating Entities:** Security Architecture Workgroup; Department of Administrative Services

**Time Frame:** October 2015 – January 2016

**Funding:** Charge back to Agencies

**Targets / Deliverables:**

- Security Awareness videos will be delivered to all State Employees through the Learning Management System on a semi-monthly basis.
- Emails that re-inforce the video will be sent to all State Employees on the off months.

**Current Status:** Review of the product has been completed. Information is being gathered to determine the number of licenses to purchase.

**3. Action:** Perform a complete IT Hardware inventory of all state agencies

**Lead:** Chris Hobbs, State of Nebraska Information Security Officer

**Participating Entities:** State of Nebraska Agencies

**Time Frame:** January 2016 – June 2016

**Funding:**

**Targets / Deliverables:** Itemized list of IT related Hardware used within the State of Nebraska network.

**Current Status:** Not Started

**4. Action:** Perform a complete IT Application inventory of all state agencies

**Lead:** Chris Hobbs, State of Nebraska Information Security Officer

**Participating Entities:** State of Nebraska Agencies

**Time Frame:** January 2016 – June 2016

**Funding:**

**Targets / Deliverables:** Itemized list of Applications used within the State of Nebraska network.

**Current Status:** Not Started

**5. Action:** Complete Nebraska Security Operation Center

**Lead:** Chris Hobbs, State of Nebraska Information Security Officer

**Participating Entities:** University of Nebraska, Central Administration; University of Nebraska, Lincoln; University of Nebraska, Omaha; University of Nebraska, Kearney; University of Nebraska Medical Center; Third Party Vendors; Multi State Information Sharing and Analysis Center (MS-ISAC); Department of Homeland Security (DHS)

**Time Frame:** January 2016 through December 2016

**Funding:** To Be Determined

**Targets / Deliverables:**

- Enterprise Security Information and Event Management (SIEM) system

- Enterprise Security Operations Centers in multiple locations 24 x 7 for redundancy
- Service Level Agreements with all participants
- Written Charter

**Current Status:** Preliminary meetings have been held with the University Information Security Officers to ascertain interest in project and plan needed steps. Meetings will be chaired by Chris Hobbs and held monthly.

**6. Action:** Complete update of NITC Standards and guidelines according to Gap Analysis

**Lead:** Chris Hobbs, State of Nebraska Information Security Officer

**Participating Entities:** Security Architecture Workgroup, Steve Clauson

**Time Frame:** October 2015 – March 2016

**Funding:** Existing Resources

**Targets / Deliverables:**

- Updated NITC 8-101 Information Security Policy
- Updated NITC 8-102 Data Security Standard
- Updated NITC 8-103 Minimum Server Configuration Standard
- Updated NITC 8-201 Information Technology Disaster Recovery Plan
- Updated NITC 8-301 Password Standard
- Updated NITC 8-303 Remote Access Standard
- Updated 8-304 Remote Administration of Internal Devices Standard

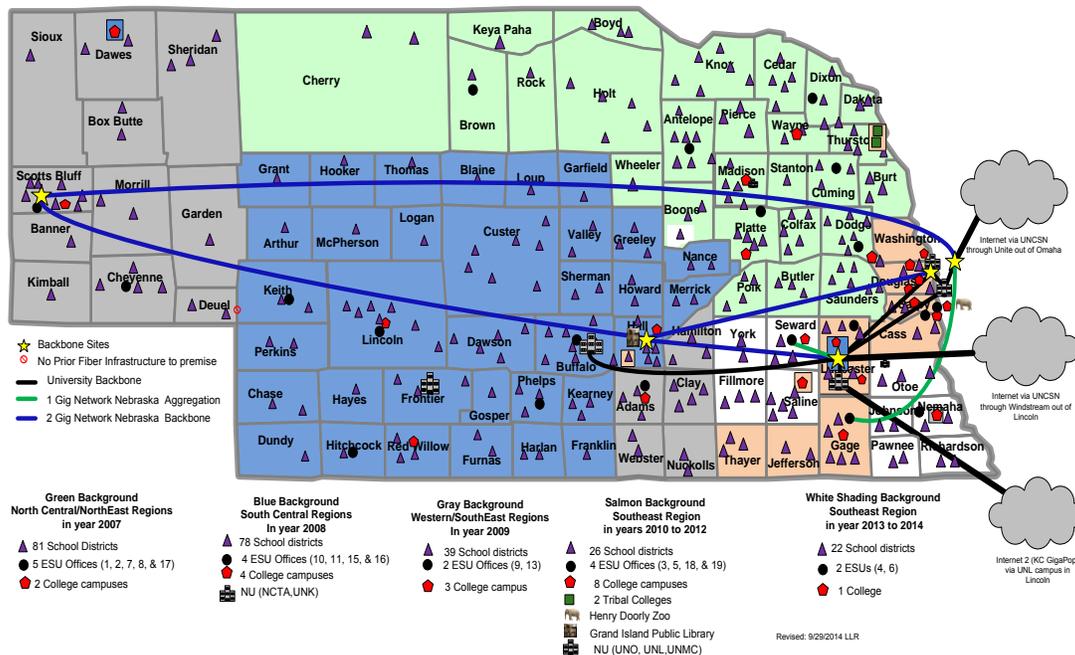
**Current Status:** Preliminary drafts have been submitted to the Office of the Chief Information Officer for review.

# Network Nebraska Initiative

## Education Council

**Objective:** To develop a broadband, scalable telecommunications infrastructure that optimizes the quality of service to every public entity in the State of Nebraska.

**Description:** Network Nebraska interconnects disparate networks into a multipurpose core backbone extending from Omaha to Lincoln to Grand Island and Scottsbluff, with Ethernet clouds and aggregated Internet service extending out to the furthest corners of the state.



### Collaborators:

- Collaborative Aggregation Partnership: Office of the CIO, University of Nebraska Computing Services Network, Nebraska Educational Telecommunications, Public Service Commission, Nebraska Department of Education, Nebraska Information Technology Commission
- Network Nebraska Advisory Group: 8 K-12 members; 8 higher education members
- Educational Service Unit (ESU) Coordinating Council, ESU-Network Operations Committee, ESU-Distance education Advisory Committee, higher education chief technology officers

### Strengths/Assets

- Nearly every K-12 school district, educational service unit, and public college and university participate in Network Nebraska and share in its annual costs
- Network Nebraska is a completely voluntary, self-funded project, which contributes to its resilience, sustainability and focus on customer service
- Shared personnel support within the Office of the CIO, Administrative Services, and the University of Nebraska Computing Services Network contributes to its ultra-low cost and affordability
- Having all of the K-20 education entities on Network Nebraska provides not only a sense of pride in ownership of the network, but the daily offsets in Internet access peaks between K-12 and higher education also saves on the cost of Internet access

### Challenges/Issues

- The absence of full-time network employees reduces the capacity for such services as marketing, communications, research & development, and customer follow-up.
- The Network Nebraska cost recovery rates, although small in comparison to other state networks, are still above what rural public libraries and private K-12 schools are accustomed to paying.

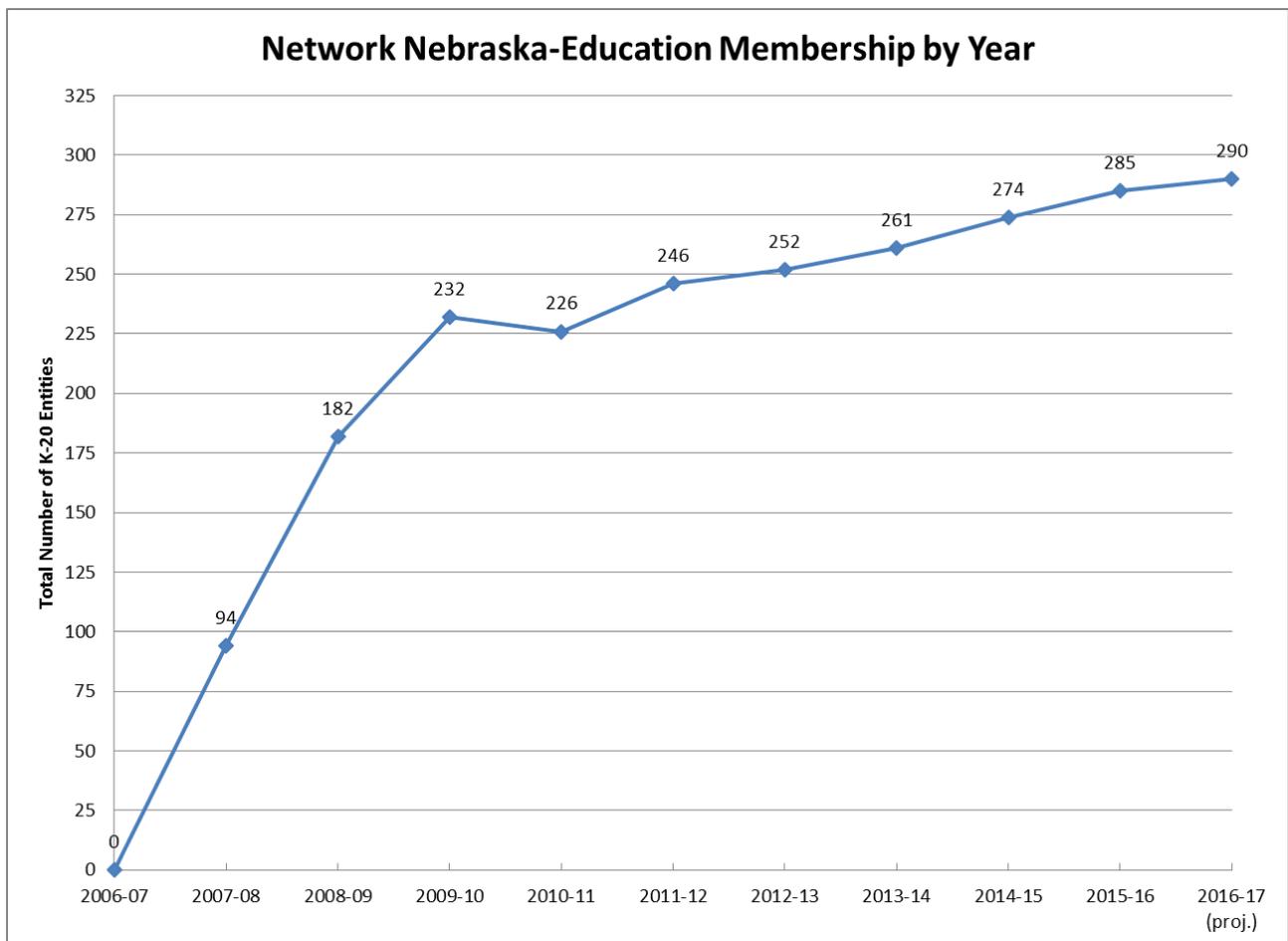
### Recent Accomplishments:

- Increased public school district participation to 99.6% starting 7/1/2015
- Public higher education participation at 100% by 7/1/2012
- Achieved one of the lowest commodity Internet rates in the entire country, made possible through aggregation of demand and statewide bidding
- Achieved 100% retention of voluntary membership, now reaching 285 entities by 7/1/2015

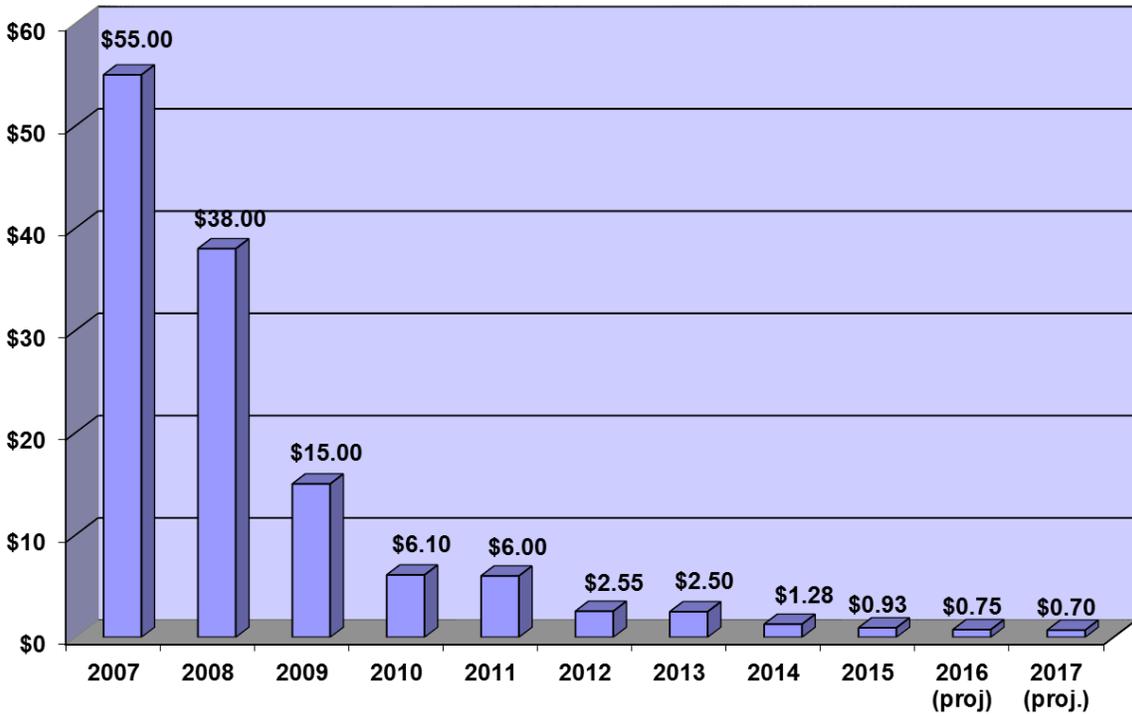
### Recommendations:

- Continue this initiative
- Position Network Nebraska to provide services such as statewide identity management, learning management, content management for K-20 education entities

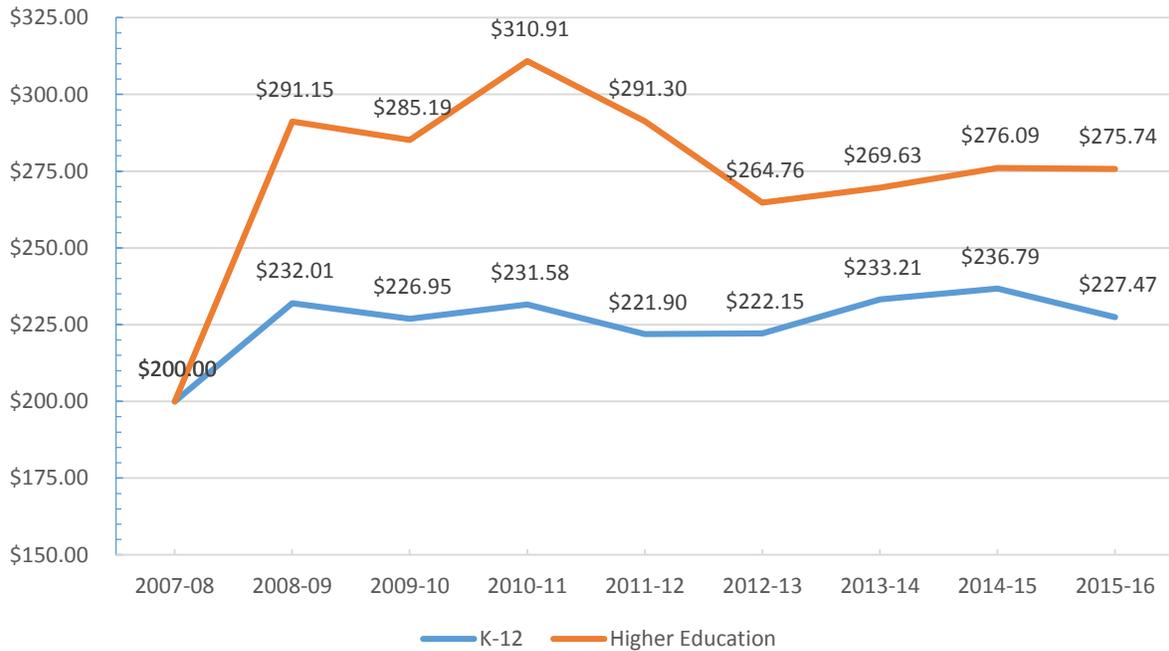
### Metrics



**Network Nebraska Internet Access Cost  
(Average \$\$ per Mbps/month)**



**Network Nebraska Monthly Costs per Entity**



## Network Nebraska Initiative—2015-17 Action Items

1. **Action: 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.**

**Lead:** Education Council

**Participating Entities:** Collaborative Aggregation Partnership (CAP); Network Nebraska Advisory Group (NNAG)

**Timeframe:** 2015-17

**Funding:** Additional funding and/or resources will be required for this action item out of the Network Nebraska Participation Fee, which is a participant-funded budget.

**Targets/Deliverables:**

- 1.1. The NNAG Participant Criteria subcommittee will develop a strategy to accommodate community affiliate connections into Network Nebraska.
  - 1.2. The UNCSN team will use automated tools to monitor network utilization and uptime and develop a web-based graphic for real-time depiction of WAN circuits, backbone and Internet.
  - 1.3. UNCSN will implement incident management and change control frameworks appropriate to the staffing of Network Nebraska.
  - 1.4. NNAG and CAP will guide Office of the CIO (OCIO) decisions regarding network capacity, services, and reliability.
  - 1.5. Review and update existing security services and practices and develop a strategy for potential services.
2. **Action: The Education Council and NITC staff will serve as the communication hub for existing and potential new Network Nebraska Participants.**

**Lead:** Education Council/NITC Staff

**Participating Entities:** Collaborative Aggregation Partnership (CAP); Network Nebraska Advisory Group (NNAG)

**Timeframe:** 2015-17

**Funding:** Additional funding and/or resources will be required for this action item out of the Network Nebraska Participation Fee, which is a participant-funded budget.

**Targets/Deliverables:**

- 2.1. Develop and implement a communications strategy.
- 2.2. Conduct an annual survey of Participants to guide direction and service development.

## NETWORK NEBRASKA--RECOMMENDED MEASURABLES:

- Network Nebraska backbone uptime
- Network Nebraska Internet access uptime
- Network Nebraska backbone bandwidth utilization (actual)
- Network Nebraska membership growth
- Network Nebraska Internet growth (purchased and actual)
- Network Nebraska unit cost of Internet
- Number of public and non-profit, non-education entities (e.g., libraries) connected to Network Nebraska

# Digital Education Initiative

## Education Council

**Objective:** *To promote the effective and efficient integration of technology into the instructional, learning, and administrative processes and to utilize technology to deliver enhanced digital educational opportunities to students at all levels throughout Nebraska on an equitable and affordable basis.*

**Description:** The Digital Education initiative will involve the coordination and promotion of several major systems and applications that heretofore have either been developed mostly at the local level or have not been replicated statewide.

Initiative progress will be dependent upon adequate Internet connectivity and transport bandwidth for learners, instructors, administrators, and for educational attendance sites. A minimum acceptable level of classroom technology will have to be established for the initiative to be successful.

### Collaborators:

- Educational Service Unit (ESU) Coordinating Council and advisory groups
- Public and private K-12 schools
- Nebraska Department of Education
- University of Nebraska
- Nebraska State College System
- Nebraska Community College System
- Association of Independent Colleges and Universities of Nebraska

### Strengths/Assets

- The enhancement of Digital Education is the combined focus of public and private K-12 entities and public and private higher education entities working together through Network Nebraska
- The recent developments in learning management software, content management software, and longitudinal data tracking and depiction make it a particularly important time to improve on the statewide deployment of these systems
- The high bandwidth transport and Internet capacity of Network Nebraska makes it possible to implement private cloud and public cloud applications to every education entity on Network Nebraska

### Challenges/Issues

- While collaboration among entities is strong, the Initiative lacks a “champion” and any additional implementation funding is a scarce commodity

### Recent Accomplishments:

- Collaborators and stakeholders testified at the LB 1103 and LB 519 hearings
- ESU collaborators have developed BlendEd briefing materials
- The Nebraska Department of Education has made progress on the Digital Dashboard pilot project involving nine Nebraska school districts

### Recommendations:

- Continue and refocus this initiative
- Encourage and/or incentivize collaborators and stakeholders to be more results-oriented using project management techniques
- Build on the excellent foundation and success of Network Nebraska to deliver high quality digital educational opportunities that provide a framework for student success

## Digital Education Initiative—2015-17 Action Items

- 1. Action: Create Professional development opportunities for all Nebraska educators to maximize student success through the innovative uses of technology in teaching.**

**Lead:** Education Council

**Participating Entities:** K-12 and Higher Education professional and advisory groups

**Timeframe:** 2015-17

**Funding:** Additional funding may be required for this action item

**Targets/Deliverables:**

- 1.1 Partner with K-20 entities and organizations to establish communities of practice for curriculum development, effective pedagogical practices and shared experiences using multiple delivery modalities across all levels of education in Nebraska.

- 2. Action: Address technical challenges for students in the transition from secondary to post-secondary education.**

**Lead:** Education Council

**Participating Entities:** K-12 and Higher Education professional and advisory groups

**Timeframe:** 2015-17

**Funding:** Additional funding may be required for this action item

**Targets/Deliverables:**

- 2.1 Conduct a collaborative research project to identify existing infrastructure and pedagogical efforts in both secondary and post-secondary institutions.
- 2.2 Based on the results of the research project and other available resources, identify opportunities for collaboration to ease transition for students.
- 2.3 Identify key challenges for transitioning students and conduct an environmental scan to identify successful approaches to mitigate those challenges.
- 2.4 Create a guide for effective practices in the use of flexible learning technologies.
- 2.5 Develop a strategy to encourage vendors to implement data exchange standards in their products and services.

**3. Action: Expand awareness and address the need for equity of access as it relates to digital education.**

**Lead:** Education Council

**Participating Entities:** NITC Community Council, K-12 and Higher Education professional and advisory groups

**Timeframe:** 2015-17

**Funding:** Additional funding may be required for this action item

**Targets/Deliverables:**

- 3.1 Form a joint study group comprised of stakeholders from across the state to identify opportunities and actions to ensure equitable access for students.
- 3.2 Education Council will work in collaboration with other Nebraska stakeholders, such as the Community Council Broadband Initiative to find solutions for available, accessible, reliable, secure and affordable Internet access as related to academic success.
- 3.3 Identify and promote the use of accessible products and services in achieving equity of access.

**DIGITAL EDUCATION--RECOMMENDED MEASURABLES:**

- Number of professional development opportunities provided
- Number of educators impacted by professional development opportunities
- Published research regarding infrastructure, pedagogy, equity of access, and impact on learning.

# Community IT Development

## Community Council

### Objectives:

- *To support community-based efforts to address broadband availability, broadband adoption, and the development of a skilled IT workforce.*

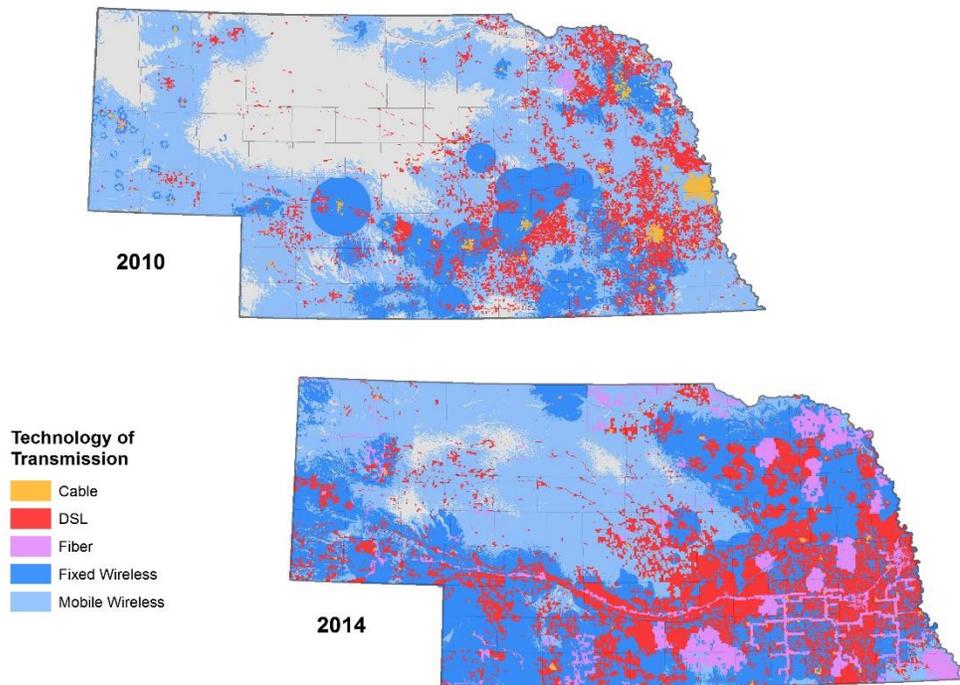
### Description:

Broadband availability, widespread adoption of broadband technologies, and a skilled IT workforce have become requirements for communities wishing to grow their economies. Although national and international research links broadband availability with economic growth, broadband adoption appears to have an even stronger economic impact than broadband availability, contributing to growth in household income, lower unemployment and other measures of economic success in non-metropolitan counties. Additionally, the need for skilled IT factors is often cited as a barrier to continued growth by IT businesses and communities in Nebraska.

Developing a technology plan can help communities work with providers to invest in the community's infrastructure, provide training opportunities on new technologies for businesses and residents, and develop programs to encourage youth to pursue careers in information technology. The Nebraska Information Technology Commission Community Council, in partnership with the Nebraska Broadband Initiative, has developed an online workbook to help communities better understand the technology needs of businesses, educational entities, health care providers, local government and residents and to develop strategies to address these needs.

**Broadband Availability.** Broadband service is available to nearly all Nebraskans, with 99.8% of Nebraskans having access to service with download speeds of greater than 10 Mbps.<sup>3</sup> Nebraska ties for 9<sup>th</sup> on this measure. (June 30, 2014 data from [broadbandmap.gov](http://broadbandmap.gov)) However, the availability of broadband services at higher speeds is less widespread. Approximately 20% of Nebraskans lack access to broadband service with download speeds of greater than 25 Mbps. Limited upload speeds can also be a barrier to utilizing broadband technologies. Twenty-six percent of Nebraskans lack broadband access with upload speeds of over 6 Mbps. (June 30, 2014 data from [broadbandmap.gov](http://broadbandmap.gov)) The map on the following page shows changes in broadband availability between 2010 and 2014.

In addition to this initiative, the State of Nebraska also supports the continued deployment of broadband services by acting as an anchor tenant (see Network Nebraska) and by providing support for high-cost areas through the Nebraska Universal Service Fund. Over \$43.3 million in support has been provided for 107 broadband projects improving the broadband service available to over 48,000 Nebraskans. In 2015, \$500,000 was allocated for broadband adoption projects. Nebraska is one of only four states to provide support for broadband through a state universal service fund.



**Broadband Adoption.** Most households in Nebraska (82%) have broadband service. However, there are significant rural-urban differences with subscription rates of 90% in Lincoln and 87% in Omaha, compared to 72% to 77% in other regions of the state.<sup>6</sup> Nearly all Nebraska businesses are utilizing broadband access to the Internet. Internet applications relying on broadband networks are becoming increasingly important for agricultural producers. Most livestock producers use the Internet for market information, auctions, government and regulatory agency reporting, and farm business planning. Most grain producers use the Internet for market information, crop management, government and regulatory agency reporting, ROI calculators, farm business planning, and GPS information

**IT Workforce Development.** The availability and development of a skilled IT workforce is a key need in Nebraska. A number of innovative programs are addressing the need for IT professionals. These include coding programs for youth, career academies, internship programs, higher education programs, and code schools.

### Strengths/Assets

- The Nebraska Information Technology Commission, Nebraska Public Service Commission, University of Nebraska, Nebraska Department of Economic Development and AIM have formed a strong partnership through the Nebraska Broadband Initiative. Even though federal grant funding for broadband mapping and planning is no longer available, partners can leverage existing resources to continue efforts to promote the effective use of technology in communities.
- Libraries are key partners in technology training programs in communities. The Nebraska Library Commission's Library Broadband Builds Nebraska Communities grant improved the capacity of libraries to provide public access to computers and the Internet and to serve as essential digital connectors. Through the grant, 147 library outlets received computers, software and other hardware, and broadband connections.

### Challenges/Issues

- Limited funding is available for initiatives which promote the effective use of technologies in Nebraska communities.
- Limited funding

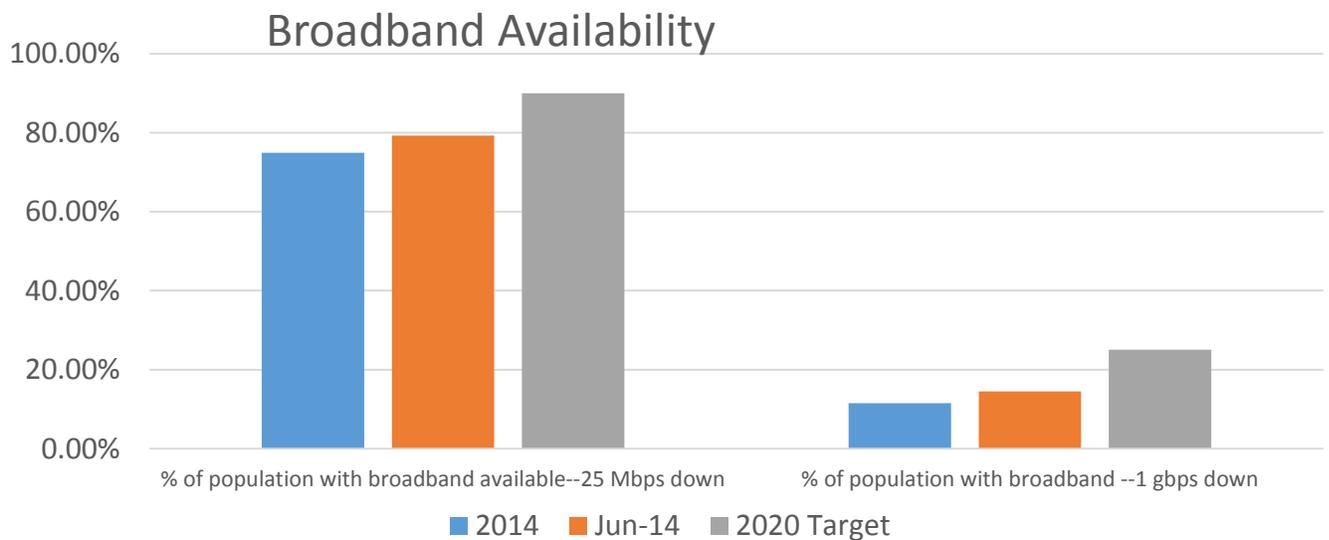
### Collaborators:

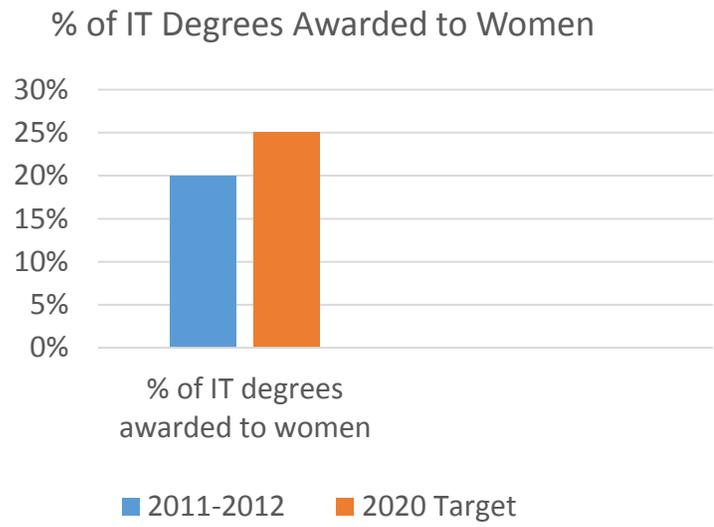
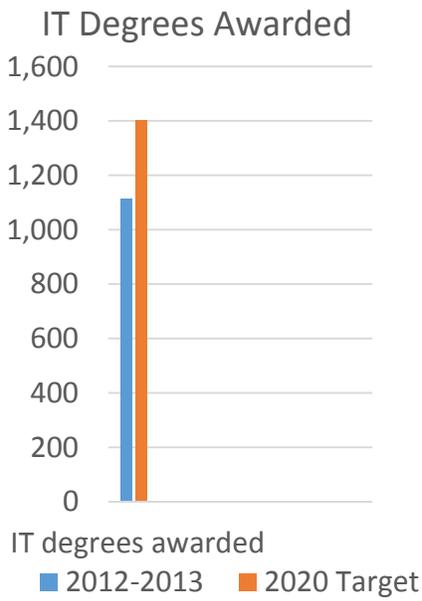
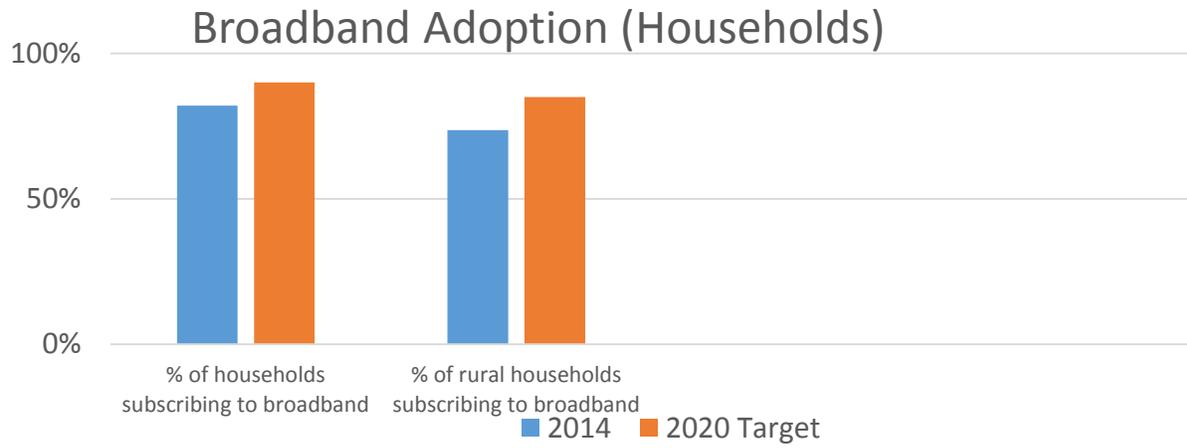
- Nebraska Public Service Commission
- University of Nebraska-Lincoln
- AIM
- Nebraska Department of Economic Development
- Nebraska Library Commission
- Other stakeholders

### Recent Accomplishments:

- Development of a state broadband plan (2014)
- Development of a state broadband map (2010-2014)
- Annual broadband conferences (2011-2014)
- Development of a community broadband planning workbook, household and business surveys, best practice videos, and a community broadband award program (2010-2015)

### Metrics





## Action Items

- 1. Action: Support the efforts of communities to address broadband-related development by recognizing outstanding programs and developing a series of best practices and case studies.**

**Lead:** NITC Community Council and University of Nebraska-Lincoln Extension and Center for Applied Rural Innovation

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

**Timeframe:** 2015-2016

**Funding:** Leveraging existing resources

**Targets/Deliverables:**

- 1.1. First Community Broadband Awards awarded Oct. 21, 2015
- 1.2. At least 6 best practices/case studies developed by Oct. 2016

- 2. Action: Support the Network Nebraska Advisory Group's Efforts to develop a strategy to accommodate community affiliate connections into Network Nebraska.**

**Lead:** Education Council

**Participating Entities:** Collaborative Aggregation Partnership (CAP); Network Nebraska Advisory Group (NNAG)

**Timeframe:** 2015-17

**Funding:** Additional funding and/or resources will be required for this action item out of the Network Nebraska Participation Fee, which is a participant-funded budget.

**Targets/Deliverables:**

- 2.1. The NNAG Participant Criteria subcommittee will develop a strategy to accommodate community affiliate connections into Network Nebraska.

- 3. Action: Support the Education Council's efforts to expand awareness and address the need for equity of access as it relates to digital education.**

**Lead:** Education Council

**Participating Entities:** NITC Community Council, K-12 and Higher Education professional and advisory groups

**Timeframe:** 2015-17

**Funding:** Additional funding may be required for this action item

**Targets/Deliverables:**

- 3.1 Form a joint study group comprised of stakeholders from across the state to identify opportunities and actions to ensure equitable access for students.
- 3.2 Education Council will work in collaboration with other Nebraska stakeholders, such as the Community Council Broadband Initiative to find solutions for available, accessible, reliable, secure and affordable Internet access as related to academic success.
- 3.3 Identify and promote the use of accessible products and services in achieving equity of access.

# eHealth

## eHealth Council

### Objectives:

- To support the adoption of health information exchange technologies in Nebraska.
- To support the use of health IT to help patients access their health information and better manage their care.

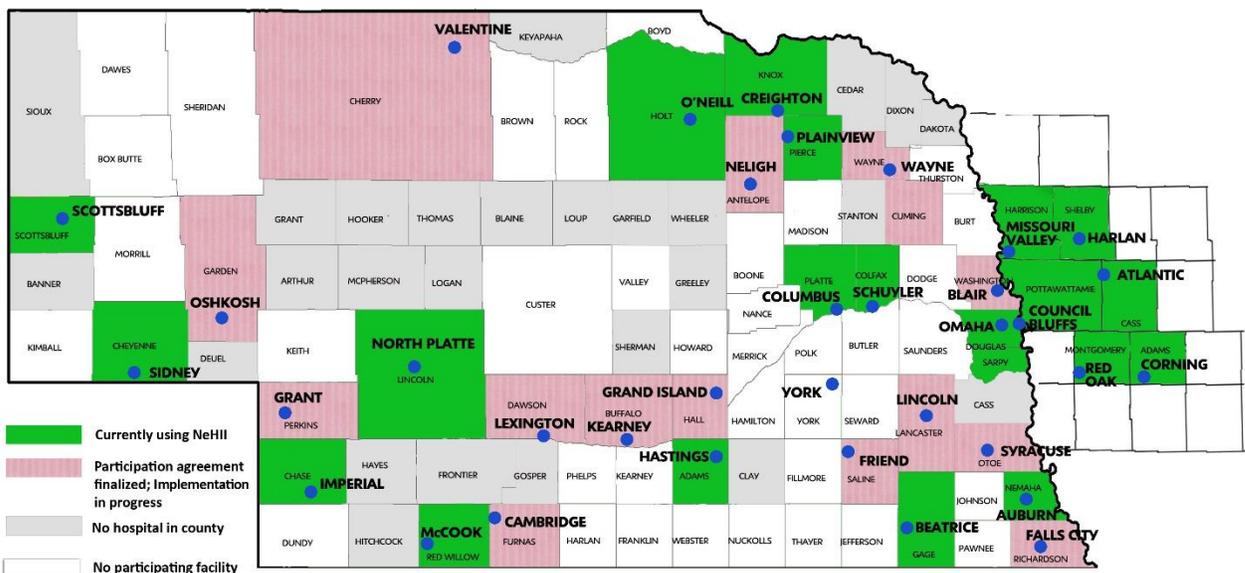
**Description:** Electronic health information exchange (HIE) allows doctors, nurses, pharmacists, other health care providers and patients to appropriately access and securely share a patient’s vital medical information electronically—improving the speed, quality, safety and cost of patient care. The Nebraska Health Information Initiative (NeHII) is one of the largest statewide health information exchanges in the country with over 5,000 users and data on over 3 million individuals. As of October 2015, NeHII users included:

- 1,892 physicians and other providers with a DEA registration number
- 122 pharmacists
- 3,142 registered nurses, certified medical assistants, and staff

In September 2015, NeHII was used to search for patient information 7,460 times by 514 users.

By the end of 2015, NeHII will cover approximately 62% of the Nebraska’s 6,779 hospital beds (excluding psychiatric hospitals). Most NeHII users utilize the exchange’s capabilities to query health information on a particular patient. NeHII has also recently begun offering Direct secure e-mail, admission discharge and transfer (ADT) alerting and 30 day readmission reporting.

The following map shows pending and current NeHII hospital implementations.



Health information exchange technologies (i.e., patient portals, personal health records, and apps for smartphone and tablets) can also be used to help patients access their health information and better manage their care.

## **Strengths/Assets**

- NeHII is one of the largest statewide health information exchanges in the U.S. with over 5,000 users. With the addition of several CHI hospitals in 2015, NeHII will cover 62% of Nebraska's hospital beds.
- The NITC received a \$2.7 million cooperative agreement on July 27, 2015 to advance health information exchange in Nebraska from the Office of the National Coordinator for Health IT, U.S. Department of Health and Human Services. The NITC is partnering with NeHII and UNMC on the grant.
- The Nebraska Department of Health and Human Services (NDDHS) also received two grants to reduce opioid overdoses and to enhance the State's Prescription Drug Monitoring Program (PDMP). NDHHS is partnering with NeHII on these grants.
- The Nebraska Department of Health and Human Services Division of Medicaid and Long-term Care is working with NeHII to receive federal Medicaid funding to support health information in Nebraska.

## **Challenges/Issues**

- Interoperability remains a challenge as standards are still being developed.
- Additional efforts may be needed to better integrate health IT into provider workflows.
- Adoption of technologies which allow patients to access their health information and better manage their care may require outreach efforts and education for both health care providers and patients.
- Providers not eligible for Meaningful Use incentive payments (including long-term and post- acute care providers and behavioral health providers) may find investing in health IT to be financially challenging.
- Sustainability of health information exchanges across the United States remains a challenge.
- Blocking of health information by health systems and vendors is an issue identified by the Office of the National Coordinator for Health IT.

## **Collaborators:**

- Nebraska Department of Health and Human Services
- NeHII
- UNMC
- Other stakeholders

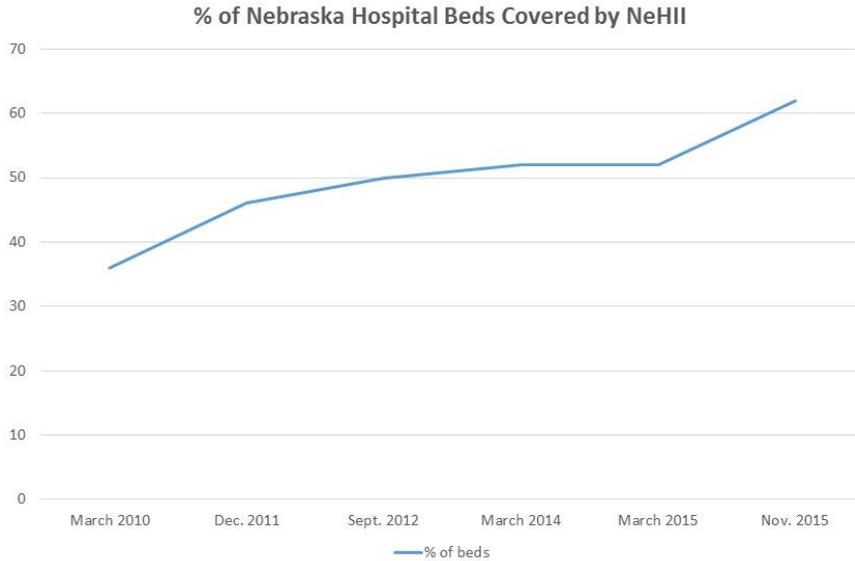
## **Recent Accomplishments:**

- At NeHII's annual meeting on Aug. 6, 2015, NeHII announced that they have achieved sustainability. In 2015. Over the past year, NeHII has implemented new functionalities including a public health gateway to automate syndromic surveillance reporting through NeHII. To support the use of Direct secure messaging, NeHII has developed a provider directory.
- The NITC received a \$2.7 million grant from the U.S. Department of Health and Human Services Office of the National Coordinator for Health IT to Advance Interoperable Health Information Technology Services to Support Health Information Exchange (2015). The goal of the Nebraska Advance Interoperable Health IT Services to Support HIE Cooperative Agreement is to increase the adoption and use of interoperable health IT services to support the exchange of health information within Nebraska and with neighboring states to improve transitions of care and care coordination, to increase overall health care quality, lower health care costs, and improve population health. The grant project targets Critical Access Hospitals, long-term care facilities, public health and researchers.

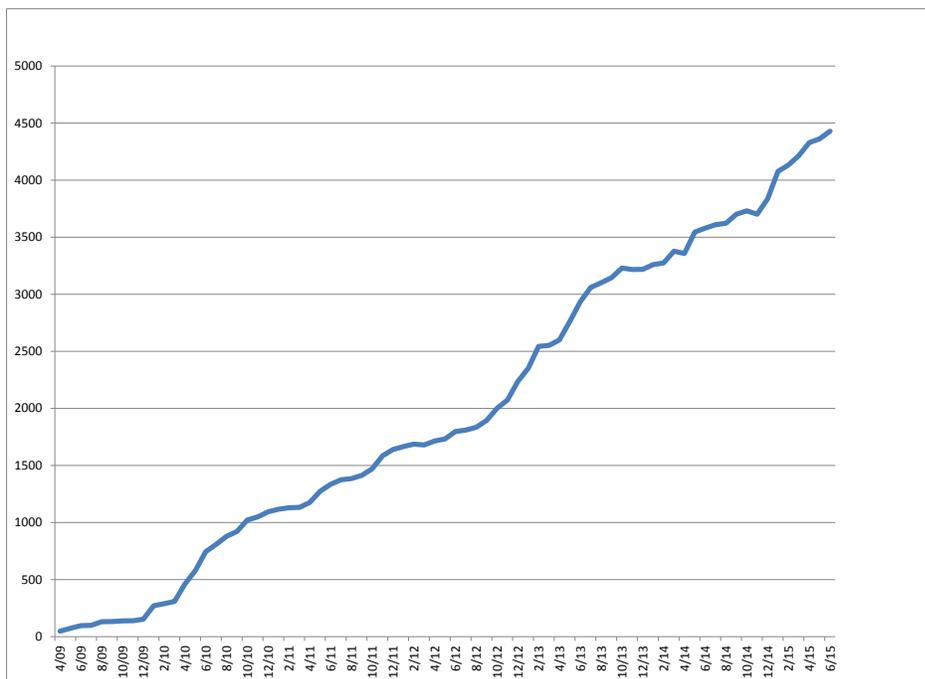
- The NITC and grant partners completed a four-year \$6.8 million State Health Information Exchange grant from the Office of the National Coordinator for Health IT (2010-2014). During the four year grant period, the number of NeHII users grew from 464 users to 3,590 users. Nebraska also ranked 13<sup>th</sup> in e-prescribing adoption in 2013, with 89% of physicians e-prescribing.

## Metrics

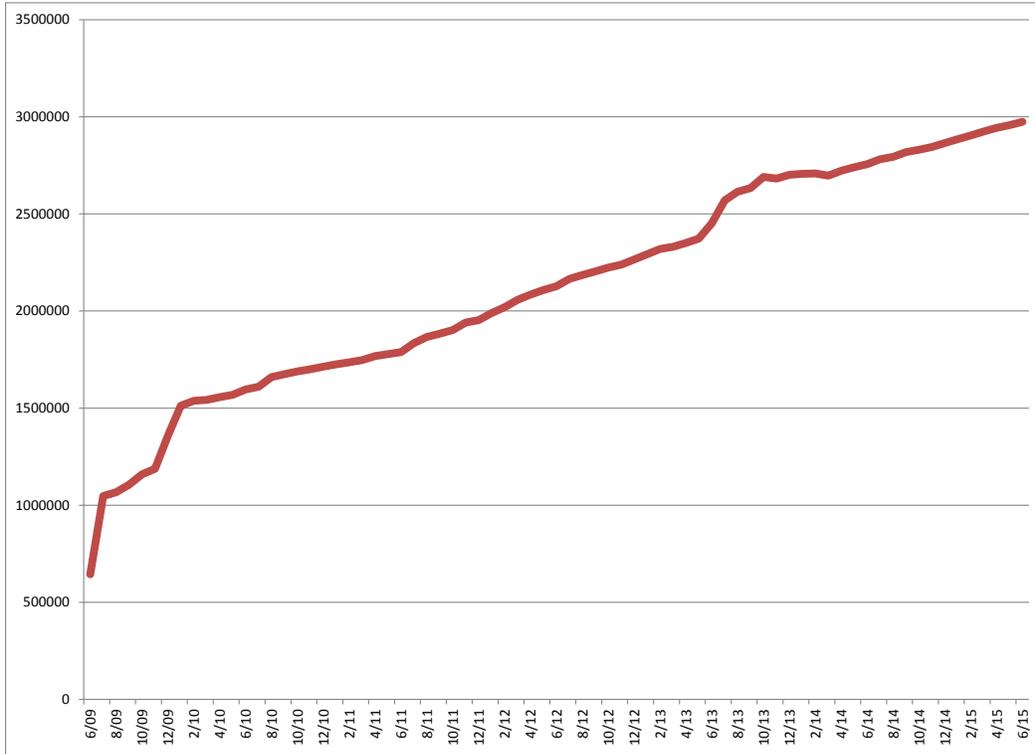
### % of Hospital Beds Covered by NeHII



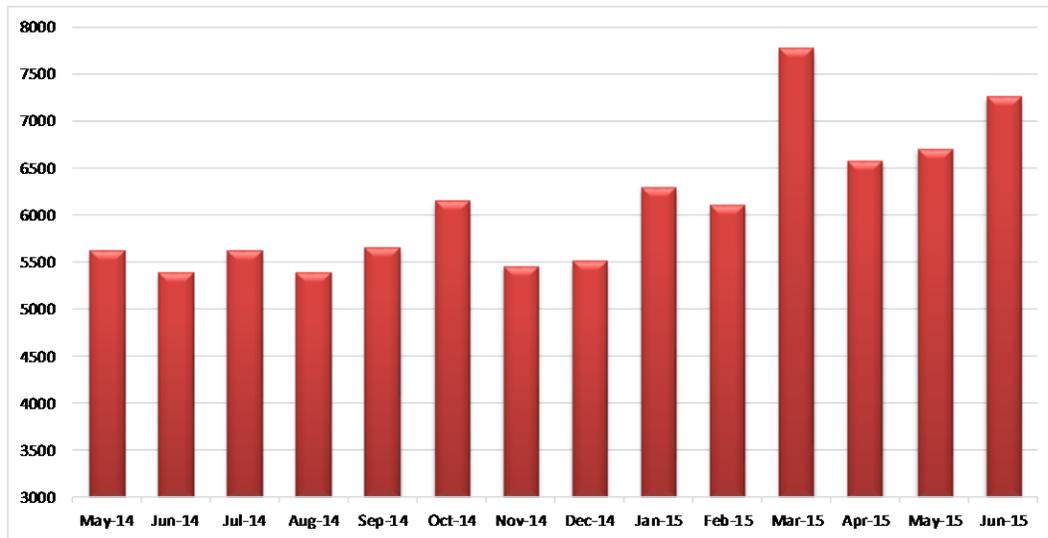
### NeHII Users



## Consumers with Demographic Data in NeHII



## Unique Number of Patients Queried in NeHII



## Action Items

- 1. Action: Work with NeHII and UNMC to support the development of statewide health information exchange through the Advance Interoperable Health IT to Support Health Information Exchange cooperative agreement, including grant administration, overseeing implementation, and participating in the project evaluation.**

**Lead:** Anne Byers, eHealth Manager, NITC

**Participating Entities:** OCIO/NITC, NeHII, UNMC, the Nebraska Department of Health and Human Services, eHealth Council, and other stakeholders

**Timeframe:** July 27, 2015-July 26, 2017

**Funding:** Office of the National Coordinator for Health IT Advance Interoperable Health IT to Support Health Information Exchange cooperative agreement

### **Targets/Deliverables:**

- 1.1.** 13 Critical Access Hospitals, labs and other facilities implemented for exchange with NeHII;
- 1.2.** Ten ambulatory clinics and long-term care facilities implemented for exchange with NeHII;
- 1.3.** 50 long-term care and other facilities implemented for Direct secure messaging;
- 1.4.** Five HIE to HIE gateways implemented to enable the exchange of exchange of data across HIEs;
- 1.5.** 40 providers implemented to receive Admission Discharge and Transfer (ADT) alerting via mobile messaging;
- 1.6.** Eight Critical Access Hospitals implemented to send data to the State's syndromic surveillance system through NeHII;
- 1.7.** Five facilities implemented for population health analytics through NeHII;
- 1.8.** Assistance with workflow analysis and integration of health information exchange provided to facilities participating in integrated communities;
- 1.9.** Six use-case based training modules developed; and
- 1.10.** Two demonstration projects which integrate HIE data for comparative effectiveness research developed.

## Automated Syndromic Surveillance Reporting to State of Nebraska via NeHII Goes Live

**Lincoln, NE** – The Public Health Gateway Syndromic Surveillance Pilot project successfully went into production use on September 10, 2015. This project was a collaborative effort between Nebraska Health Information Initiative (NeHII), Nemaha County Hospital and the Nebraska Department of Health and Human Services (DHHS). The product is a gateway solution for efficient and timely reporting of syndromic surveillance data to the state’s public health team in keeping with state statute public health reporting requirements.

“This project is yet another example of the many committed healthcare professionals found across the state looking to provide safer and more effective care to consumers in Nebraska. This technology not only supports the ability to automatically report public health concerns when they are identified but also eases the burden of providers responsible for reporting them,” said Deb Bass, CEO, NeHII, Inc.

The goal of this pilot implementation was to demonstrate successful integration and automation between Nemaha County Hospital’s Evident electronic health record system, NeHII and the state’s Syndromic Surveillance Event Detection of Nebraska (SSEDON) data collection process for syndromic surveillance. The use of demographic and clinical information from the hospital’s Admit-Discharge-Transfer (ADT) messages provides an early warning system for public health emergencies, indicators for chronic disease surveillance and analysis, and general public health surveillance and analysis.

Nemaha County Hospital in Auburn, Neb is a county owned critical access hospital and a data sharing participant in NeHII providing an ADT data feed to the health information exchange. For the pilot, this feed was enhanced with additional electronic Health record system data and routed to the Public Health Gateway (PHG) Syndromic Surveillance interface for data mapping, transformation and sequencing to meet state syndromic surveillance implementation guide specifications.

“I believe that the development of this Public Health Gateway is a huge step forward in the journey toward sharing relevant data through a health information exchange instead of the department of public health having to have an interface with every health information technology vendor used in the state. I was also impressed with the “can-do” attitude demonstrated by all who participated in the development of the gateway. No one ever said that something couldn’t be done. All parties, including the two vendors involved, did everything within their power to make things work,” said Marty Fattig, Nemaha County Hospital CEO.

“We’re very excited to be a partner in this effort,” said Jenifer Roberts-Johnson, Deputy Director of Health Licensure and Health Data for DHHS. “Hospitals now have an additional method to meet statutory and meaningful use reporting requirements for syndromic surveillance. This data will help shape the future of syndromic surveillance and help support statewide prevention programs.”

Now that this pilot project has been completed, plans are underway to identify and implement this solution for additional healthcare organizations in the state.

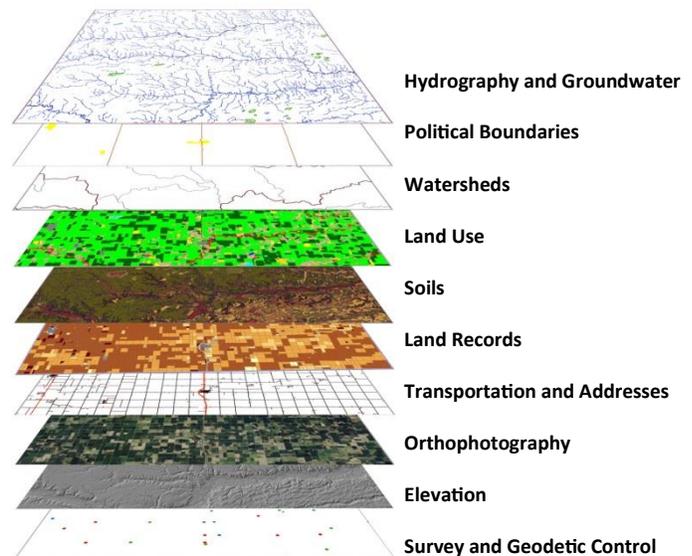
# Nebraska Spatial Data Infrastructure (NESDI)

## GIS Council

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.*

- Facilitate the creation, maintenance, analysis and publishing of quality and authoritative data and information systems. Priority layers include: imagery, elevation, street centerlines, point addressing, and land records.
- Formalize data stewardship and encourage data sharing and provide widespread access to data and services through NebraskaMAP.gov.
- 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.

### Nebraska Core Framework Layers



### Collaborators:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• The State of Nebraska</li> <li>• Local and County Government</li> <li>• League of Municipalities</li> <li>• Nebraska Association of County Officials</li> <li>• Nebraska GIS LIS Association</li> </ul> | <ul style="list-style-type: none"> <li>• Natural Resource Districts</li> <li>• Public Power Districts</li> <li>• Federal Agencies</li> <li>• Private Industry</li> <li>• K-12, College, and University of Nebraska</li> </ul> |
|--|---|

### Strengths/Assets

- Existing governance structure established by statute representing a broad range of stakeholder interests. GIS Council According to Neb. Rev. Stat. § 86-572(2).
- Standards which are foundational to the NESDI are in place or in development.
- Existing State GIS Coordinator and one GIS staff member in CIO GIS Shared Services Office.
- Several strong state agency and local county-based GIS programs.
- Several NESDI data layers and applications exist with coverage in priority areas or statewide.
- Strategic Plan completed in 2012 with stakeholder input from across the state. It serves as roadmap to setting statewide priorities and was used to develop the NESDI strategic initiative and action items.
- Centralized data file infrastructure established to host and share state agency data layers.

## **Challenges/Issues**

- Insufficient legislative or executive sponsor to support GIS Council efforts.
- Resources are inadequate to develop and maintain all framework layers.
- Resources are inadequate for a stewardship infrastructure that supports comprehensive stewardship of framework data.
- Outreach and training needs of GIS and geospatial data use and applications are broad given the level of different users.
- Reluctance to share data or making data available easily or timely.
- Technical limitations in current infrastructure and networks to host and exchange data.
- Sustainability of data maintenance and updates.
- Lack of metadata and appropriate documentation of data layers to support data discovery, sharing, and reliability of data.
- Lack of understanding of standards and no authoritative enforcement to data stewards not following standards. Local counties do not see NITC standards as a requirement but a guideline.

## **Recent Accomplishments:**

- Working groups established involving our collaborators to gather information and develop plans.
- New standards adopted for elevation, imagery, street centerlines and addresses. Metadata standards have been updated to reflect federal ISO requirements.
- Elevation business plan completed and implementation started with collaborators working to acquire data through a 4,400 acre project in western Nebraska.
- Established a statewide K-12 GIS Education Initiative by leveraging a statewide enterprise license agreement for software and services to private and public schools.

## **Recommendations:**

- Continue this initiative. Current GIS Council goals are in line with strategic initiative and objectives. The next set of priority NESDI layers will become new action items in this initiative.
- Integrate NESDI data development, maintenance and application priorities into public safety, NG 9-1-1, and emergency management policy and activities.

## Metrics

The current metrics are used to evaluate the status of the NESDI and overall GIS program for the state is measured by several criteria and methods.

### Core NESDI Data Development and Maintenance Criteria and Status

Core Framework Layers	Executive Sponsor	Charter/ Business Plan	Data Steward	Data Model	Pilot Project	Adopted Standard	Infra-structure	Fully Implemented	Shared	Sustained Funding
Geodetic/Survey Control										
Imagery										
Elevation										
Land Records / Parcels										
Street Centerline										
Address										
Boundaries										
Hydrography										
Soils										
Land Use Land Cover										
Wells										
Watersheds										

Complete	In Progress	Inactive		Funded	Partially Funded	Unfunded

### Status of Nebraska based on NSGIC Coordination Criteria

The National States Geographic Information Council (NSGIC) has published a listing of “9 Criteria for a Successful Statewide GIS Program.” While these are not firm, binary criteria, they provide a measure by which different states can be compared. In general, the most successful states tend to have these things in common.

Criterion	Status
1. A full-time, paid coordinator position is designated and has the authority to implement the state's business and strategic plans:	<b>Partially meets criterion.</b> NITC has a full-time State GIS Coordinator. Authority to implement Business and Strategic Plans will come through NITC and Office of the CIO. Limited funds are available to carry out specific action items.
2. A clearly defined authority exists for statewide coordination of geospatial information technologies and data production:	<b>Partially meets criterion.</b> NITC GIS Council provides governance to statewide coordination efforts along with the Office of the CIO based on statutory authority for state entities. Rely on partnerships from local involvement.
3. The statewide coordination office has a formal relationship with the state's Chief Information Officer (CIO):	<b>Meets criterion.</b> The State GIS Coordinator is positioned in the Office of the CIO.
4. A champion (executive and other legislative champions) is aware and involved in the process of geospatial coordination:	<b>Does not meet criterion.</b> There are no strong, active champions currently involved in the process.
5. Responsibilities for developing the National Spatial Data Infrastructure and a State Clearinghouse are assigned:	<b>Partially meets criterion.</b> A complete Nebraska Spatial Data Infrastructure (NESDI) has not been fully developed. The NebraskaMAP state clearinghouse exists, but has limited capability and lags behind other states. Both require sustained resources to develop and exist.
6. The ability exists to work and coordinate with local governments, academia, and the private sector:	<b>Partially meets criterion.</b> These entities are represented on the NITC GIS Council. There is some evidence of local government involvement with state functions, but overall GIS adoption across the state remains low.
7. Sustainable funding sources exist to meet project needs:	<b>Partially meets criterion.</b> There is funding for the State GIS Coordinator and various resources for projects through other agencies. However, long-term, sustainable funding and allocation of resources is still needed.
8. GIS Coordinator has the authority to enter into contracts and become capable of receiving and expending funds:	<b>Meets criterion.</b> The State GIS Coordinator in the Office of the CIO can enter into contracts.
9. The Federal Government works through the statewide coordinating authority:	<b>Partially meets criterion.</b> The Federal Government recognizes the Nebraska GIS Council and their efforts and has worked with the state (e.g. via NAIP, Homeland Security, FEMA, NebraskaMAP)

## Action Items

### 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:** 2015-2017

**Funding:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans.

#### Target/Deliverables:

- 1.1 Establish an ad hoc committee of GIS Council representatives to work on this action item.
- 1.2 Develop a document that defines the NESDI and the role of data stewardship to support the NESDI.

### 2. Action: Geodetic and Survey Control Inventory and Assessment

Spatial data deployed in an enterprise environment generally has higher requirements for accuracy and quality than does a single-purpose dataset. Geodetic and survey control is essential for the development of spatial data that can be analyzed in combination with other layers.

A careful examination of our current survey and geodetic control data across the state based will be conducted on various criteria for its use in the development of 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:** 2015-2017

**Funding:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans.

**Target/Deliverables:**

2.1 Establish an ad hoc committee involving stakeholders from government, private industry and the survey community.

2.2 Develop a current inventory and assessment report of geodetic and survey control in Nebraska.

2.2.1 Summarize scope of geodetic and survey control in the state in terms of coverage, density, and availability of data for use in the development of other NESDI framework layers.

2.2.2 Identify and document recommendations for:

- Development and improving statewide survey and geodetic control data in Nebraska.
- Incorporation of recommendations into new and current NITC standards that impact the NESDI framework.
- Education and training needs to stakeholders for using survey and geodetic control in their applications.
- Best practices for incorporating data into mapping, GIS, and other GPS related applications.
- Methods and linkages through data sharing to communicate and provide access to relevant data to users and stakeholders.

### **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 its 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 Elevation Working Group

**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:** 2015-2017

**Funding:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans. Future funds are required for meeting objectives outlined in the business plan.

**Target/Deliverables:**

- 3.1 Establish an Elevation Working Group to support this action item,
- 3.2 Identify and develop a set of standards for standard elevation product(s) that will meet the majority of stakeholder requirements and expectations in a cost-effective manner.
- 3.3 Develop a Nebraska Statewide Elevation Program business plan.
- 3.4 Implement a Nebraska Statewide Elevation Program.

#### **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 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 Imagery Working Group

**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:** 2015-2017

**Funding:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans. Future funds are required for meeting objectives outlined in the business plan.

**Target/Deliverables:**

- 4.1 Establish an Imagery Working Group to support this action item,
- 4.2 Identify and develop a set of standards for standard imagery product(s) that will meet the majority of stakeholder requirements and expectations in a cost-effective manner.
- 4.3 Develop a Nebraska Statewide Imagery Program business plan.
- 4.4 Implement a Nebraska Statewide Imagery Program.

**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 Street Centerline and Address Working Group

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

**Timeframe:** Implementation timeline determined by Business Plan

**Funding:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans. Future funds are required for meeting objectives outlined in the business plan.

**Target/Deliverables:**

- 5.1 Establish a Street Centerline and Address Working Group to support this action item,
- 5.2 Identify and develop a set of standards for standard street centerline and address product(s) that will meet the majority of stakeholder requirements and expectations in a cost-effective manner.
- 5.3 Develop a Nebraska Street Centerline Database (NSCD) and a Nebraska Address Database (NAD) business plan.
- 5.4 Implement a Nebraska Street Centerline Database (NSCD) and a Nebraska Address Database (NAD).

**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 Land Records Working Group

**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:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans. Future funds are required for meeting objectives outlined in the business plan.

**Target/Deliverables:**

- 6.1 Establish a Land Records Working Group to support this action item,
- 6.2 Update the current NITC 3-202 Land Record and Information Mapping Standards for standard land record product(s) that will meet the majority of stakeholder requirements and expectations in a cost-effective manner.
- 6.3 Develop a Nebraska Statewide Parcel Geodatabase Development and Maintenance Plan.
- 6.4 Implement the Nebraska Statewide Parcel Geodatabase Development and Maintenance Plan.
- 6.5 Develop a Nebraska Land Records business plan.
- 6.6 Implement the Nebraska Land Records business plan.

## **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. The State agencies are developing a statewide GIS Enterprise system in order to conduct daily business operations. This systems will also coincide with the interoperability, data sharing, and workflows planned for NebraskaMAP.

**Lead:** State GIS Coordinator, GIS Council NebraskaMAP Working Group

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

**Timeframe:** 2015-2017

**Funding:** No initial funding required for this action item other than personnel time to meet, develop and communicate plans. Future funds are required for meeting objectives outlined in the business plan.

**Target/Deliverables:**

- 7.1 Establish a NebraskaMAP Working Group to support this action item,
- 7.2 Develop NebraskaMAP Geospatial Data Sharing and Web Services Network Business Plan.
- 7.3 Develop and implement NebraskaMAP into a statewide data clearinghouse enterprise platform.

## NITC Strategic Initiatives Status Report

Strategic Initiative, Action Item and Deliverable/Target			
eHealth		Status	Notes
<b>1</b>	<b>Work with NeHII and UNMC to Support HIE through ONC grant</b>		
1.1	13 Critical Access Hospitals, labs and other facilities implemented		
1.2	10 ambulatory clinics and long-term care facilities implemented		
1.3	50 long-term care and other facilities implemented for Direct		
1.4	5 HIE to HIE gateways developed		
1.5	40 providers implemented for mobile ADT alerts		
1.6	8 Critical Access Hospitals to send syndromic surveillance data		
1.7	5 facilities implemented for population health		
1.8	Assistance with workflow analysis and integration provided		
1.9	6 training modules developed		
1.10	2 demonstration projects which integrate HIE data developed		
<b>2</b>	<b>Monitor developments and, when appropriate, form a work group</b>		
2.1	Work group formed		
2.2	Recommendations made		

**Nov. 3, 2015**

**To:** NITC Commissioners  
**From:** Anne Byers  
**Subject:** Nomination of Dr. Shawn Murdock

The eHealth Council is forwarding the nomination of Dr. Shawn Murdock for approval by the Commission at the Nov. 12, 2015 meeting. His bio is below:

**Shawn Murdock, MD**

Dr. Shawn Murdock is originally from North Platte, Nebraska. He attended Chadron State College under the [RHOP Program](#) as an undergraduate and completed medical school at UNMC School of Medicine graduating in 2006. Dr. Murdock completed his residency as part of the UNMC Family Medicine Advanced Rural Training Program which prepared him for all aspects of rural Family Medicine. After completing his residency, he returned home with his wife, Michelle, to join Midlands Family Medicine.

He currently enjoys time outside of medicine with his wife and dog.

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>LINK – Procurement</b>	Contact: <b>Bo Botelho</b>					
Start Date	01/14/2013	Orig. Completion Date	10/31/2013	Revised Completion Date	Pending	
	October	September	July	June	April	February
Overall Status						
Schedule						
Budget						
Scope						
<p><b>Project Description</b></p> <p>Workday Procurement standardizes business processes for procurement documents. Workday Procurement will be the data entry location for all procurement documents (requisitions, purchase orders and contracts). Approvals and printing of the documents will be processed in Workday. Selected supplier websites will be available for access to state contracted pricing through punch-out capability. Purchase Orders will be interfaced in to the State’s financial system for encumbering, receipts, and accounts payable. Suppliers will be available for selection in Workday and their associated commodities and procurement contact information will be maintained within Workday.</p> <p>Project Estimate: \$1,895,800 (\$1,624,009.27 has been expended)</p>						
<p><b>Comments</b></p> <p><b>October update:</b>            The Workday Procurement project requests to be closed for NITC reporting. Bo Botelho will present the closeout report at the October 13 Technical Panel Meeting.</p> <p><b>April Update:</b>            The Workday Procurement project has been suspended. The Department will continue to prioritize the current upgrading of the EnterpriseOne financial system and ongoing support of the existing HCM solution.</p>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>Network Nebraska Education</b>						Contact: <b>Tom Rolfes</b>
Start Date	05/01/2006	Orig. Completion Date	06/30/2012	Revised Completion Date	08/01/2015	
	October	September	July	June	April	February
Overall Status						
Schedule						
Budget						
Scope						
Quality						
<b>Project Description</b>						
<p>Network Nebraska-Education is a statewide consortium of over 260 K-12 and higher education entities working together to provide a statewide backbone, commodity Internet, distance education, and other value-added services to its participants. Network Nebraska-Education is managed by the State Office of the CIO partnering with the University of Nebraska Computing Services Network (UNCSN).</p> <p>Project Budget (2014-15): \$717,781 (\$612,873 has been expended)</p>						
<b>Comments</b>						
<p><b>October update:</b>            With schools and colleges in session from one to three weeks, Cogent Communications is having difficulty meeting the State reliability standard for Internet service for many end users. If not resolved, steps will be taken soon to intervene using the contractual terms of State Contract 65386(04). State contract research revealed that over 300 WAN transport circuits are being served by 22 separate State contracts with 11 different providers, all expiring on 6/30/2016, as well as four segments of the statewide backbone. Consequently, the fall 2015 RFP will be the largest telecommunications RFP in the history of the State of Nebraska, and include 224 circuits for K-12, 21 circuits for higher education, and 101 circuits for UNL Extension.</p> <p><b>September update:</b>            Since the last reporting period, the Network Nebraska summer project implementation for new members (14 public school districts and the Lincoln Diocese schools) and backbone upgrades (to ESU 3 and to ESU 6) were completed. On July 1, the primary Internet egress in Omaha was switched from Unite Private Networks to Cogent Communications and data was flowing. With schools and colleges in session from one to three weeks, Cogent Communications is having difficulty meeting the State reliability standard for Internet service for many end users. If not resolved, steps will be taken soon to intervene using the contractual terms of State Contract 65386(04). State contract research revealed that over 300 WAN transport circuits are being served by 22 separate State contracts with 11 different providers, all expiring on 6/30/2016, as well as four segments of the statewide backbone. Consequently, the fall 2015 RFP will be the largest telecommunications RFP in the history of the State of Nebraska.</p> <p><b>Additional Comments/Concerns:</b>            No New Financial Information since last reporting period. The 2014-15 fourth quarter UNCSN invoice revealed that IT Consulting-UNCSN was 1% over budget by \$2,081; Equipment Maintenance was over budget by \$66,771; Software Maintenance was over budget by \$17,295; and Training-UNCSN was over budget by \$2,867. The overall annual revenue and expenses produced an estimated positive variance of approximately \$105,000 for 2014-15. The 2014-15 Financial Report is being completed by DAS Accounting and should be ready for sharing very soon.</p> <p>Even though the Chief Information Officer fulfilled the Legislative benchmark of “providing access (the ability to connect) to every public K-12 and public higher education entity at the earliest date and no later than July 1, 2012” [Neb. Rev. Stat. 86-5,100], the NITC Technical Panel has extended the enterprise project designation for Network Nebraska-Education until 8/1/2015 so that all public school districts that want to participate have actually connected.</p>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

<b>Project:</b>	<b>Nebraska State Accountability (NeSA) (formerly Statewide Online Assessment)</b>			<b>Contact:</b>	<b>John Moon</b>	
Start Date	07/01/2010	Orig. Completion Date	06/30/2011	Revised Completion Date	6/30/2016	
	October	September	July	June	April	February
Overall Status						
Schedule						
Budget						
Scope						
Quality						
<b>Project Description</b>						
<p>Legislative Bill 1157 passed by the 2008 Nebraska Legislature required a single statewide assessment of the Nebraska academic content standards for reading, mathematics, science, and writing in Nebraska’s K-12 public schools. The new assessment system was named Nebraska State Accountability (NeSA), with NeSA-R for reading assessments, NeSA-M for mathematics, NeSA-S for science, and NeSA-W for writing. The assessments in reading and mathematics were administered in grades 3-8 and 11; science was administered in grades 5, 8, and 11; and writing was administered in grades 4, 8, and 11.</p> <p>Project Estimate: \$7,278,025 (\$660,579.66 has been expended)</p>						
<b>Comments</b>						
<p><b>October update:</b>  DRC has posted the enrollment training for district on September 28, 2015. The enrollment window will be October 5<sup>th</sup> through October 16<sup>th</sup>. NDE along with DRC completed the test forms for math, reading, and science for both the alternate and general assessments for 2015-2016 test year. Professional development sessions for English Language Arts tests transition from Reading tests have been scheduled for October 2015 at five locations throughout the state. In November, workshops on text dependent analysis will be provided in five locations as well.</p> <p><b>September update:</b>  The NDE assessment office has noted along with DRC that the frequency of testing issues were minimal for the 2014-15 testing year. For 2014-15 over 400,000 tests or 90% of all tests taken were online. On August 19<sup>th</sup> DRC delivered the 2014-15 student results for reading, math, science and writing to the state and respective districts through eDIRECT. The results for 160,000 students were aggregated into state, district and school reports for public release.</p> <p>The new contract starting July 1, 2015 has been signed by DRC and NDE. The planning meeting for 2015-2016 was completed on May 28, 2015 at the DRC headquarters in Minneapolis. The new contract included the continuation of the full-time technical resource based in Nebraska and the development of items/assessments measuring the new English Language Arts (ELA) standards including technology enhanced ELA items to be field tested in spring 2016. The new contract included options for the revision of NeSA math items based on the new Math standards. The Check for Learning System (C4L) has been expanded with more districts participating in 2015-16 school year and more students taking online formative assessments in the same format as the state summative assessments.</p> <p>The DRC INSIGHT Online Learning System requirements for fall 2015 are provided on the assessment website at the following link:  <a href="http://www.education.ne.gov/Assessment/pdfs/DRC_INSIGHT_System_Requirements_Fall_2015_Final.pdf">http://www.education.ne.gov/Assessment/pdfs/DRC_INSIGHT_System_Requirements_Fall_2015_Final.pdf</a></p> <p>The requirements document provides information on</p> <ul style="list-style-type: none"> <li>• operating systems and levels</li> <li>• hardware devices, processor</li> <li>• disk space, and memory</li> </ul>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

- screen size and resolution
- certain testing accommodations

**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, writing, and mathematics tests (NeSA-RMS) for July 1, 2015 through June 30, 2016. 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. During January 18 through February 5, 2016, DRC will deliver the online writing assessment (NeSA-W) for grades 8 and 11 and the pencil/paper writing assessment for grade 4 as well. The testing window for NeSA-RMS and NeSA-AA will start on March 21 and end on May 6, 2016.

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>Nebraska Regional Interoperability Network (NRIN)</b>		Contact: <b>Sue Krogman</b>					
Start Date	10/01/2010	Orig. Completion Date	06/01/2013	Revised Completion Date	09/30/2016		
		October	September	July	June	April	February
Overall Status							
Schedule							
Budget							
Scope							
Quality							
<b>Project Description</b>							
<p>The Nebraska Regional Interoperability Network (NRIN) is a project that will connect a majority of the Public Safety Access Points (PSAP) across the State by means of a point to point microwave system. The network will be a true, secure means of transferring data, video and voice. Speed and stability are major expectations; therefore there is a required redundant technology base of no less than 100 mbps with 99.999% availability for each site. It is hoped that the network will be used as the main transfer mechanism for currently in-place items, thus imposing a cost-saving to local government. All equipment purchased for this project is compatible with the networking equipment of the OCIO.</p> <p>Project Estimate: \$10,820,003 (\$8,915,330.26 has been expended)</p>							
<b>Comments</b>							
<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><b>October update:</b>            Finalizing the South Central and South Eastern redundant connection for the East Central 911 system. Once the Giltner NET installation is complete, the backup rings will be in place. Continue to move material out of the Lincoln warehouse and are distributing all newly ordered materials to their perspective Regions.</p> <p><b>September update:</b>            The project is at a point were multiple areas can now be worked on. Everything is in place to move forward on the remaining configurations and installation. Materials have been purchased as spare parts for the EC911 portion of the network.</p> <p><b>Additional Comments/Concerns:</b>            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. Delays are inevitable due to the weather over the winter months and the difficulty in locating adequate tower sites and negotiating leasing agreements and/or MOU's.</p>							

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>Medicaid Management Information System Replacement Project (MMIS)</b>		Contact: <b>Don Spaulding</b>				
Start Date	7/01/2014	Orig. Completion Date	TBD	Revised Completion Date	N/A	
	October	September	July	June	April	February
Overall Status						
Schedule						
Budget						
Scope						
Quality						
<b>Project Description</b>						
<p>Project Estimates: \$113,600,000* (\$3,679,535 have been expended)            *Planning Expenditures include 7/01/2014 – 6/30/2015. Estimate is a rough order magnitude estimate based on information available. As the procurements are completed, categorical details will be available.</p>						
<b>Comments</b>						
<p><b>October update:</b>            Resource constraints have led to a delay in the completion of interim target dates. However, at this point, the team still expects to meet the scheduled date for having the vendor started. The delays are absorbing contingency built into the schedule.</p> <ul style="list-style-type: none"> <li>• Strategic Analysis is completed.</li> <li>• Data Management and Analytics (DMA) RFP drafting is underway with approximately 80% completed.</li> <li>• Independent Verification and Validation (IV&amp;V) RFP drafting is underway with approximately 65% completed.</li> <li>• Continued funding was approved by CMS for the DMA and IV&amp;V procurement activities for federal fiscal year 2016.</li> </ul> <p><b>September update:</b></p> <ul style="list-style-type: none"> <li>• This is the first NITC report on the project. However, quarterly legislative reports have been completed summarizing work to date.</li> <li>• Strategic Analysis is completed and being reviewed by the steering committee.</li> <li>• Data Management and Analytics (DMA) and Independent Verification and Validation (IV&amp;V) procurement schedule has been created.</li> <li>• DMA kick-off was completed and drafting of DMA RFP is progressing.</li> <li>• Communicated Claims Broker Services model and vision to CMS.</li> </ul> <p><b>Additional Comments/Concerns:</b>            Many state resources are not full-time on the project and have other duties including other Legislative mandates to implement which may have a higher priority than this project. Funding for the project is 90% federal funding and 10% state funding.</p>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>District Dashboards</b>							Contact: <b>Dean Folkers</b>
Start Date	07/01/2013	Orig. Completion Date	06/30/2015	Revised Completion Date	06/30/2016		
	October	September	July	June	April	February	
Overall Status							
Schedule							
Budget							
Scope							
Quality							
<b>Project Description</b>							
<p>Made possible by a Statewide Longitudinal Data System (SLDS) grant from the United States Department of Education in 2012, the focus of the Nebraska Ed-Fi Dashboard initiative is to provide readily available data to the Nebraska classrooms to facilitate informed decision-making. Potential users include teachers, counselors, and administrators. NDE intends to leverage the Ed-Fi dashboard solution made available by the Michael &amp; Susan Dell Foundation to provide Nebraska with an advanced student performance dashboard system to be customized for Nebraska needs. The Ed-Fi data standard will serve to define the initial data elements powering the Nebraska Ed-Fi dashboard.</p> <p>Our Plan of Work for design, development, and piloting of the Nebraska Dashboards will commence in three phases, each to proceed subsequently upon successful completion of the previous phase, between the months of September 2013 and December 2014. The phases include: Phase I - Dashboard Readiness (September 2013-February 2014), Phase II – Dashboard Development (February 2014-June 2014), and Phase III – Dashboard Deployment (June 2014-December 2014).</p> <p>Project Estimate: \$466,623.75 has been expended, grant funds only</p>							
<b>Comments</b>							
<p><b>October update:</b></p> <p>A revised schedule for pilot testing has been developed. Dashboard pilot testing is now planned for January 2016 timeframe. Some accountability pilot testing may start in fall of 2015 for prior school year submissions. Infinite Campus and Tyler Technologies have been effectively been moved from the pilot to a later rollout phase due to vendor delays in development schedules. The project plans to move forward in pilot testing with ESU3/SIMS and PowerSchool.</p> <p>Infinite Campus has started development and plans to start validation/certification testing in November. Planned start of pilot testing and accountability pilot testing is now targeted to start in Dec 2015.</p> <p>Nebraska Department of Education is evaluating staff allocation and resourcing to support ongoing pilot preparations, sustainability and statewide rollout activities. ESUCC staff is shared between multiple projects and therefore availability and allocation varies.</p> <p>Tyler Technologies has decided to defer their development for Nebraska until 2016-17 school year. They are being moved from pilot to EAP or statewide rollout. Any delays in the purchase or setup of the production hardware will result in a day to day slip in pilot testing.</p> <p><b>September update:</b></p> <p>A revised schedule for pilot testing is being aligned with vendor timelines, and staff capacity constraints for districts, ESUs, ESUCC and NDE. Dashboard pilot testing is now planned for January 2016 timeframe. Some accountability pilot testing may start in fall of 2015 for prior school year submissions.</p>							

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>EnterpriseOne System Upgrade</b>		Contact: <b>Lacey Pentland</b>				
Start Date	10/01/2013	Orig. Completion Date	10/03/2014	Completed Date	04/28/2015	
	September	July	June	April	February	December
Overall Status						
Schedule						
Budget						
Scope						
<b>Project Description</b>						
<p>The State of Nebraska has been using JD Edwards to support the State’s agencies for over ten years. The current EnterpriseOne 9.0 system is relatively stable with a medium level of modifications. The program is planned, as much as possible, to be a technical upgrade with minimal impact on the existing business processes, interfaces and the related applications. The current applications landscape is proposed to be upgraded as follows:</p> <ul style="list-style-type: none"> <li>Upgrade from E1 9.0 to E1 9.1 to stay current with the JD Edwards technology stack</li> <li>Migrate/Retrofit required customizations to E1 9.1 based on the keep drop analysis</li> <li>Be on the latest stack</li> <li>Simplification of the existing ecosystem – minimize customization, expand usage of JDE application</li> <li>Leverage standard functionalities provided by new features of E1 9.1</li> </ul> <p>Project Estimate: \$2,250,000 (\$2,693,544.20 has been expended)</p>						
<b>Comments</b>						
<p><b>September update:</b> Lacey Pentland will present the closeout report at the October 13 Technical Panel Meeting.</p> <p><b>July update:</b> The project went live on April 28, 2015. They will begin the process of closing out the project for NITC reporting. The total cost of the project increased due to extending the go-live date from September, 2014 to June 30, 2015 (9 months).</p> <p><u>Current work completed:</u></p> <ul style="list-style-type: none"> <li>Post Go-Live Support (Resolve outstanding issues from Go-Live) 6/30/2015</li> </ul> <p><u>Next Steps:</u></p> <ul style="list-style-type: none"> <li>Conduct lessons learned session with upgrade team</li> <li>Implement Expense Management as a separate project</li> </ul>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of October, 2015**

Project: <b>Medicaid Eligibility &amp; Enrollment System</b>	Contact: <b>Don Spaulding</b>					
Start Date	10/28/2014	Orig. Completion Date	06/30/2016	Revised Completion Date	03/31/2017	
	October	September	July	June	April	February
Overall Status	●	●	●	●	●	●
Schedule	●	●	●	●	●	●
Budget	●	●	●	●	●	●
Scope	●	●	●	●	●	●
Quality	●	●	●	●	●	●
<b>Project Description</b>						
<p>The Affordable Care Act (ACA) included numerous provisions with significant information systems impacts. One of the requirements was to change how Medicaid Eligibility was determined and implement the changes effective 10/1/2014. As a result of the lack of time available to implement a long-term solution, the Department of Health and Human Services implemented a short-term solution in the current environment to meet initial due dates and requirements. This solution did not meet all Federal technical requirements for enhanced Federal funding but was approved on the assumption that a long-term solution would be procured. An RFP was developed and procurement has been completed with Wipro selected as the Systems Integrator for an IBM/Curam software solution.</p> <p>Project Estimate: \$57,741,564 (\$16,385,868 has been expended)</p>						
<b>Comments</b>						
<p><b>October update:</b></p> <ul style="list-style-type: none"> <li>Draft IMS through the end of the Requirements Phase has been completed and is ready for leadership review.</li> <li>Planning for the design phase is underway.</li> <li>Work on remaining core business and operational processes will begin after Requirements Phase IMS is approved.</li> <li>Development of preliminary Architecture models continues.</li> <li>Upgraded Demo environment from version 6.0.5.8 to version 6.1.0.1</li> <li>Project team Curam training materials have been prepared and sessions are scheduled.</li> <li>Planning for installation of the Sandbox environment was delayed due to resource availability. Has been reassigned and is underway.</li> </ul> <p><b>September update:</b></p> <p>Don Spaulding has replaced Eric Henrichsen as the contact on this project until a new permanent IT administrator is hired.</p> <ul style="list-style-type: none"> <li>Conducted the first CMS Gate Review on August 13, 2015, and the session went well. The team is waiting for feedback from CMS to determine what follow-up activities will be necessary.</li> <li>The Steering Committee has reviewed and approved 03/31/2017 as the target Go-Live for the project</li> <li>The development of the IMS details to the end of the Requirements Phase continues to progress. Planning for the design phase will begin upon completion of the Requirements Phase in keeping with the rolling wave approach.</li> <li>Work for non-Core business and operational processes will begin after Requirements Phase planning is complete.</li> <li>Development of preliminary Architecture models continues.</li> <li>Planning for installation of the Sandbox environment has begun.</li> <li>Organizational Change Management (OCM) Plan deliverable was delivered and approved.</li> </ul> <p><b>Additional Comments/Concerns:</b></p> <p>Many state resources are not full-time on the project and have other duties including other Legislative mandates to implement. The vendor is having difficulty in filling key roles on the project.</p>						

**Nebraska Information Technology Commission  
Enterprise Project Status Dashboard – as of October, 2015**

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

## NEBRASKA INFORMATION TECHNOLOGY COMMISSION STATUTES

### **86-501. Act, how cited.**

Sections 86-501 to 86-530 shall be known and may be cited as the Information Technology Infrastructure Act.

Source: Laws 1996, LB 1190, § 1; Laws 2000, LB 1349, § 3; R.S.Supp.,2000, § 81-1190; Laws 2002, LB 1105, § 271; Laws 2008, LB823, § 1; Laws 2010, LB1071, § 37.

### **86-502. Definitions, where found.**

For purposes of the Information Technology Infrastructure Act, the definitions found in sections 86-503 to 86-511 apply.

Source: Laws 1996, LB 1190, § 2; Laws 2000, LB 1349, § 4; R.S.Supp.,2000, § 81-1191; Laws 2002, LB 1105, § 272.

### **86-503. Commission, defined.**

Commission means the Nebraska Information Technology Commission.

Source: Laws 1998, LB 924, § 4; R.S.1943, (1999), § 86-1504; Laws 2002, LB 1105, § 273.

### **86-504. Department, defined.**

Department means the Department of Administrative Services.

Source: Laws 2002, LB 1105, § 274.

### **86-505. Enterprise, defined.**

Enterprise means one or more departments, offices, boards, bureaus, commissions, or institutions of the state for which money is to be appropriated for communications or data processing services, equipment, or facilities, including all executive, legislative, and judicial departments, the Nebraska state colleges, the University of Nebraska, and all other state institutions and entities.

Source: Laws 2002, LB 1105, § 275; Laws 2010, LB1071, § 38.

### **86-506. Enterprise project, defined.**

Enterprise project means an endeavor undertaken by an enterprise over a fixed period of time using information technology, which would have a significant effect on a core business function or which affects multiple government programs, agencies, or institutions. Enterprise project includes all aspects of planning, design, implementation, project management, and training relating to the endeavor.

Source: Laws 2002, LB 1105, § 276; Laws 2008, LB823, § 2; Laws 2010, LB1071, § 39.

### **86-507. Information technology, defined.**

Information technology means computing and telecommunications systems and their supporting infrastructure and interconnectivity used to acquire, transport, process, analyze, store, and disseminate information electronically.

Source: Laws 2002, LB 1105, § 277.

**86-508. Information technology clearinghouse, defined.**

Information technology clearinghouse means a service to provide convenient access for the commission and general public to information about best technology practices, referrals for technical assistance, and other information related to the Information Technology Infrastructure Act.

Source: Laws 2002, LB 1105, § 278.

**86-509. Information technology infrastructure, defined.**

Information technology infrastructure means the basic facilities, services, and installations needed for the functioning of information technology.

Source: Laws 2002, LB 1105, § 279.

**86-510. Statewide technology plan, defined.**

Statewide technology plan means the plan developed by the commission pursuant to section 86-516.

Source: Laws 2002, LB 1105, § 280.

**86-511. Technical panel, defined.**

Technical panel means the panel created in section 86-521.

Source: Laws 2002, LB 1105, § 281.

**86-512. Legislative intent.**

Nebraskans, and others throughout the world, have become part of the information age, in which information is a primary element of economic, social, and cultural growth. The ability to move information quickly and accurately through electronic means is critical to the success of education, business, agriculture, health care, government, libraries, communities, and other areas of interest in a global society. A statewide vision and strategy is needed to ensure coordinated development of the telecommunications infrastructure necessary for Nebraska to keep pace worldwide and collaboration among entities within the state and with other states.

Source: Laws 1998, LB 924, § 1; R.S.1943, (1999), § 86-1501; Laws 2002, LB 1105, § 282.

**86-513. Legislative findings and intent.**

(1) The Legislature finds that appropriations for information technology continue to increase. Advances in information technology have the potential to improve government efficiency, broaden educational opportunities, and enhance services to Nebraska communities and citizens. To assure the most cost-effective use of state appropriations:

(a) Responsibility should be assigned for developing a statewide vision and strategic plan to guide investments in information technology;

(b) Organizational and technical support for technology budget decisions should be improved and integrated;

(c) A clearinghouse should be formed for technical support and best practices information; and

(d) Responsibility should be assigned to an office within state government for improving the planning, budgeting, and management of state government's information resources.

(2) It is the intent of the State of Nebraska to support the development of a unified statewide telecommunications infrastructure. The statewide telecommunications infrastructure will be scalable, reliable, and efficient. It is further the intent of the Legislature that the provisions of sections 86-512 to 86-524 serve to coordinate the state's investments in information technology in an efficient and expeditious manner. The provisions are not intended to impede the rapid deployment of appropriate technology or establish cumbersome regulations or bureaucracy.

Source: Laws 1998, LB 924, § 2; R.S.1943, (1999), § 86-1502; Laws 2002, LB 1105, § 283.

#### **86-514. University of Nebraska; Legislature; exemptions.**

(1) The Legislature finds that the University of Nebraska, as the state's only public university, has unique needs and requirements in the area of information technology relating to the university's academic research mission. Accordingly, the Legislature intends that sections 86-512 to 86-524 shall not limit the authority of the Board of Regents of the University of Nebraska to make decisions about policies, purchases, and uses of information technology related to its academic research mission. For purposes of this section, academic research mission means those specific activities or programs of the university which are undertaken as a part of sponsored or grant-supported activities, organized research projects, or other similar activities intended to produce one or more research outcomes and conducted by employees of the university or other entities, including, but not limited to, research divisions, bureaus, institutes, and experimental stations. Academic research mission does not include the administrative activities of the university, instruction of students, or services provided by the university to communities when not conducted in the context of research outcomes.

(2) The Legislature finds that, as a separate branch of government, the Legislature must perform its functions independently of other branches. Accordingly, the Legislature shall not be limited by the provisions and requirements of sections 86-512 to 86-524. However the Legislature reserves the right to use the resources established by such sections.

Source: Laws 1998, LB 924, § 3; R.S.1943, (1999), § 86-1503; Laws 2002, LB 1105, § 284.

#### **86-515. Nebraska Information Technology Commission; created; members; expenses; executive director.**

(1) The Nebraska Information Technology Commission is created. The commission shall consist of (a) one member representing elementary and secondary education, (b) one member representing postsecondary education, (c) the Governor or his or her designee, (d) one member representing communities, and (e) five members representing the general public who have experience in developing strategic plans and making high-level business decisions. A member of the Transportation and Telecommunications Committee of the Legislature shall be appointed by the Executive Board of the Legislative Council to serve as an ex officio, nonvoting member of the commission. The Executive Board shall make the initial appointment of such member after January 5, 2011, and shall appoint a member every two years after the initial appointment. At any time that there is not a member of the Educational Service Unit Coordinating Council serving on the Nebraska Information Technology Commission, the technical panel established pursuant to section 86-521, or any working groups established pursuant to sections 86-512 to 86-524 that establish, coordinate, or prioritize needs for education, the Governor shall appoint to the commission one member who serves on the Educational Service Unit Coordinating Council.

(2) The Governor or a designee of the Governor shall serve as chairperson of the commission.

(3) The members of the commission other than the legislative member shall be appointed by the Governor with the approval of a majority of the Legislature. Members of the commission shall serve for terms of four years, except that two members initially appointed to represent the general public shall be appointed for a term of two years and any member appointed to represent the Educational Service Unit Coordinating Council shall be appointed for a term of one year. Members shall be limited to two consecutive terms. The Governor or his or her designee shall serve on the commission for his or her term. The legislative member of the commission shall serve until he or she is reappointed or a successor is appointed. Each member shall serve until the appointment and qualification of his or her successor. In case of a vacancy occurring prior to the expiration of the term of a member, the appointment shall be made only for the remainder of the term.

(4) Members shall be reimbursed for their actual and necessary expenses as provided in sections 81-1174 to 81-1177.

(5) The commission may employ or designate an executive director to provide administrative and operational support for the commission. The Department of Administrative Services and Nebraska Educational Telecommunications Commission shall assist with administrative and operational support for the Nebraska Information Technology Commission as necessary to carry out its duties.

Source: Laws 1998, LB 924, § 5; R.S.1943, (1999), § 86-1505; Laws 2002, LB 1105, § 285; Laws 2006, LB 1208, § 27; Laws 2007, LB603, § 32; Laws 2010, LB787, § 1.

#### **86-516. Commission; duties.**

The commission shall:

(1) Annually by July 1, adopt policies and procedures used to develop, review, and annually update a statewide technology plan;

(2) Create an information technology clearinghouse to identify and share best practices and new developments, as well as identify existing problems and deficiencies;

(3) Review and adopt policies to provide incentives for investments in information technology infrastructure services;

(4) Determine a broad strategy and objectives for developing and sustaining information technology development in Nebraska, including long-range funding strategies, research and development investment, support and maintenance requirements, and system usage and assessment guidelines;

(5) Adopt guidelines regarding project planning and management and administrative and technical review procedures involving state-owned or state-supported technology and infrastructure. Governmental entities, state agencies, and noneducation political subdivisions shall submit all projects which use any combination of general funds, federal funds, or cash funds for information technology purposes to the process established by sections 86-512 to 86-524. The commission may adopt policies that establish the format and minimum requirements for project submissions. The commission may monitor the progress of any such project and may require progress reports;

(6) Adopt minimum technical standards, guidelines, and architectures upon recommendation by the technical panel. Such standards and guidelines shall not unnecessarily restrict the use of new technologies or prevent commercial competition, including competition with Network Nebraska;

(7) Establish ad hoc technical advisory groups to study and make recommendations on specific topics, including workgroups to establish, coordinate, and prioritize needs for education, local communities, intergovernmental data communications, and state agencies;

(8) By November 15 of each even-numbered year, make recommendations on technology investments to the Governor and the Legislature, including a prioritized list of projects, reviewed by the technical panel pursuant to section 86-521. The recommendations submitted to the Legislature shall be submitted electronically;

(9) Approve grants from the Community Technology Fund and Government Technology Collaboration Fund;

(10) Adopt schedules and procedures for reporting needs, priorities, and recommended projects;

(11) Assist the Chief Information Officer in developing and maintaining Network Nebraska pursuant to section 86-5,100; and

(12) Determine the format that state agencies, boards, and commissions shall use to report their information technology plans under section 86-524.01. The commission shall include an analysis of such plans in the statewide technology plan.

Source: Laws 1998, LB 924, § 6; Laws 1999, LB 446, § 12; R.S.1943, (1999), § 86-1506; Laws 2002, LB 1105, § 286; Laws 2005, LB 343, § 9; Laws 2006, LB 1208, § 28; Laws 2008, LB823, § 3; Laws 2010, LB1071, § 40; Laws 2012, LB782, § 244.

**86-517. Commission; implementation goals.**

The commission shall implement sections 86-512 to 86-524 in accordance with the policy objectives described in sections 86-512, 86-513, and 86-516 and with the following goals:

(1) Expanding access to lifelong educational and training opportunities so that Nebraska's citizens and work force can function in the emerging information society;

(2) Stimulating and supporting information-based economic development that improves economic opportunity; and

(3) Expanding citizen access to government information.

Source: Laws 1998, LB 924, § 7; R.S.1943, (1999), § 86-1507; Laws 2002, LB 1105, § 287.

**86-518. Progress report.**

By November 15 of each even-numbered year, the Nebraska Information Technology Commission shall submit a progress report to the Governor and Legislature. The report submitted to the Legislature shall be submitted electronically.

Source: Laws 1998, LB 924, § 8; R.S.1943, (1999), § 86-1508; Laws 2002, LB 1105, § 288; Laws 2012, LB782, § 245.

**86-519. Office of Chief Information Officer; created.**

The office of Chief Information Officer is created. The Chief Information Officer shall be appointed by and serve at the pleasure of the Governor with the approval of a majority of the Legislature. For administrative and budgetary purposes, the office of Chief Information Officer shall be located in the Department of Administrative Services which shall provide necessary support services for the office. All administrative and budgetary decisions for the office shall be made by the Chief Information Officer.

Source: Laws 1998, LB 924, § 9; R.S.1943, (1999), § 86-1509; Laws 2002, LB 1105, § 289; Laws 2006, LB 921, § 15.

**86-520. Chief Information Officer; duties.**

The Chief Information Officer shall:

(1) Maintain, in cooperation with the Department of Administrative Services, an inventory of noneducation state government technology assets, including hardware, applications, and data bases;

(2) Recommend policies and guidelines for acceptable and cost-effective use of information technology in noneducation state government;

(3) Advise the Governor and Legislature on policy issues affecting noneducation state government related to information technology;

(4) Coordinate efforts among other noneducation state government technology agencies and coordinating bodies;

(5) Implement a strategic, tactical, and project planning process for noneducation state government information technology that is linked to the budget process;

(6) Assist the budget division of the Department of Administrative Services and Legislative Fiscal Analyst in evaluating technology-related budget requests;

(7) Work with each governmental department and noneducation state agency to evaluate and act upon opportunities to more efficiently and effectively deliver government services through the use of information technology;

(8) Recommend to the Governor and Legislature methods for improving the organization and management of data by noneducation agencies to achieve the goals of making information sharable and reusable, eliminating redundancy of data and programs, improving the quality and usefulness of data, and improving access to data, and implement such recommendations as the Governor or Legislature may direct;

(9) Monitor the status of major noneducation state government technology projects;

(10) Establish and maintain Network Nebraska pursuant to section 86-5,100;

(11) Apply in aggregate for reimbursements from the federal Universal Service Fund pursuant to section 254 of the Telecommunications Act of 1996, 47 U.S.C. 254, as such section existed on January 1, 2006, on behalf of school districts requesting to be included in such aggregated application;

(12) Administer such funds as may be appropriated to the Chief Information Officer by the Legislature;

(13) Monitor the status of information technology projects that are enterprise projects;

(14) Collect information from state agencies, boards, and commissions as provided in section 86-524.01; and

(15) Complete other tasks as assigned by the Governor.

Source: Laws 1998, LB 924, § 10; R.S.1943, (1999), § 86-1510; Laws 2002, LB 1105, § 290; Laws 2006, LB 1208, § 29; Laws 2008, LB823, § 4; Laws 2010, LB1071, § 41.

**86-520.01. Information technology purchases; standards; use of Network Nebraska; notice required; when.**

Information technology purchases made with state funds or local tax receipts by education-related political subdivisions shall meet or exceed any applicable technical standards established by the commission. The Chief Information Officer may bid for such equipment and allow education-related political subdivisions to participate in leasing or purchasing contracts. An education-related political subdivision shall provide notice in writing, if required by guidelines established by the University of Nebraska and the Chief Information Officer for participation in Network Nebraska, to the distance education director of the Educational Service Unit Coordinating Council, the University of Nebraska, and the Chief Information Officer prior to the use of any new or additional equipment that will impact the use of Network Nebraska by such education-related political subdivision or other education-related political subdivisions.

Source: Laws 2010, LB1071, § 42.

**86-521. Technical panel; created; duties.**

(1) A technical panel is created. The technical panel shall be comprised of one representative from the Nebraska Educational Telecommunications Commission, one representative from the office of Chief Information Officer, one representative from the University of Nebraska Computing Services Network, and such other members as specified by the Nebraska Information Technology Commission.

(2) The technical panel shall review any technology project presented to the Nebraska Information Technology Commission including any recommendations by working groups established under sections 86-512 to 86-524. Upon the conclusion of the review of a technology project or request for additional funding, the technical panel shall provide its analysis to the commission. The technical panel may recommend technical standards and guidelines to be considered for adoption by the commission.

Source: Laws 1998, LB 924, § 11; R.S.1943, (1999), § 86-1511; Laws 2002, LB 1105, § 291; Laws 2006, LB 921, § 16; Laws 2008, LB823, § 5.

**86-522. Community Technology Fund; created; use; investment.**

The Community Technology Fund is created. The fund shall be granted to public entities or for the public entity's share of public-private partnerships by the commission. The fund shall be used to provide incentives for collaborative community and regional approaches toward more effective and efficient use of technology to meet the needs of citizens, political subdivisions, and other entities as determined by the commission. Expenditures from the fund shall be approved by the commission only after review by the technical panel. The fund shall be administered by the office of Chief Information Officer. Any money in the fund available for investment shall be invested by the state investment officer pursuant to the Nebraska Capital Expansion Act and the Nebraska State Funds Investment Act.

Source: Laws 1998, LB 924, § 12; R.S.1943, (1999), § 86-1512; Laws 2002, LB 1105, § 292; Laws 2006, LB 921, § 17.

**Cross References**

- Nebraska Capital Expansion Act, see section 72-1269.
- Nebraska State Funds Investment Act, see section 72-1260.

**86-523. Government Technology Collaboration Fund; created; use; investment.**

The Government Technology Collaboration Fund is created. The fund shall be granted by the commission. The fund shall be used to provide incentives for collaborative technology projects and programs by state agencies, boards, and commissions and to assist in meeting the technology needs of small agencies as determined by the commission. Expenditures from the fund shall be approved by the commission only after review by the technical panel. The fund shall be administered by the office of Chief Information Officer. Any money in the fund available for investment shall be invested by the state investment officer pursuant to the Nebraska Capital Expansion Act and the Nebraska State Funds Investment Act.

Source: Laws 1998, LB 924, § 13; R.S.1943, (1999), § 86-1513; Laws 2002, LB 1105, § 293; Laws 2006, LB 921, § 18.

Cross References

- Nebraska Capital Expansion Act, see section 72-1269.
- Nebraska State Funds Investment Act, see section 72-1260.

**86-524. Legislative review.**

(1) The Appropriations Committee and the Transportation Committee of the Legislature shall jointly review sections 86-512 to 86-524 before January 1, 2001, and every two years thereafter. The Executive Board of the Legislative Council shall designate staff with appropriate technical experience to provide the staff support for the review. The committees shall establish criteria to be used for the review in accordance with the following policy objectives. It shall be the policy of the state to:

(a) Use information technology in education, communities, including health care and economic development, and every level of government service to improve economic opportunities and quality of life for all Nebraskans regardless of location or income;

(b) Stimulate the demand to encourage and enable long-term infrastructure innovation and improvement; and

(c) Organize technology planning in new ways to aggregate demand, reduce costs, and create support networks; encourage collaboration between communities of interest; and encourage competition among technology and service providers.

(2) In the review, the committees shall determine the extent to which:

(a) The vision has been realized and short-term and long-term strategies have been articulated and employed;

(b) The statewide technology plan and other activities of the commission have improved coordination and assisted policymakers;

(c) An information technology clearinghouse has been established, maintained, and utilized of Nebraska's information technology infrastructure and of activities taking place in the state involving information technology, and the information flow between and among individuals and organizations has been facilitated as a result of the information technology clearinghouse;

(d) Policies, standards, guidelines, and architectures have been developed and observed;

(e) Recommendations made by the commission to the Governor and Legislature have assisted policy and funding decisions;

(f) Input and involvement of all interested parties has been encouraged and facilitated; and

(g) Long-term infrastructure innovation, improvement, and coordination has been planned for, facilitated, and achieved with minimal barriers and impediments.

Source: Laws 1998, LB 924, § 14; R.S.1943, (1999), § 86-1514; Laws 2002, LB 1105, § 294.

**86-524.01. Information technology plan; report required.**

On or before September 15 of each even-numbered year, all state agencies, boards, and commissions shall report to the Chief Information Officer, in a format determined by the commission, an information technology plan that includes an accounting of all technology assets, including planned acquisitions and upgrades.

Source: Laws 2008, LB823, § 6.

**86-525. Enterprise project; legislative findings.**

In addition to the findings in section 86-513, the Legislature also finds that:

(1) The effective, efficient, and cost-effective operation of state government requires that information be considered and managed as a strategic resource;

(2) Information technologies present numerous opportunities to more effectively manage the information necessary for state government operations;

(3) Information technologies are changing and advancing at a very rapid rate, increasing the computing power available to individual users;

(4) The commission should have the responsibility to establish goals, guidelines, and priorities for information technology infrastructure; and

(5) Periodic investments in the information technology infrastructure are required to develop and maintain the foundation for the effective use of information technologies throughout state government.

Source: Laws 1996, LB 1190, § 3; Laws 2000, LB 1349, § 5; R.S.Supp.,2000, § 81-1192; Laws 2002, LB 1105, § 295.

**86-526. Enterprise project; designation.**

The commission shall determine which proposed information technology projects are enterprise projects. The commission shall create policies and procedures for the designation of such projects. The commission shall evaluate designated enterprise project plans as authorized in section 86-528.

Source: Laws 1996, LB 1190, § 5; Laws 2000, LB 1349, § 6; R.S.Supp.,2000, § 81-1194; Laws 2002, LB 1105, § 296; Laws 2008, LB823, § 7.

**86-527. Information Technology Infrastructure Fund; created; use; investment.**

The Information Technology Infrastructure Fund is hereby created. The fund shall contain revenue from the special privilege tax as provided in section 77-2602, gifts, grants, and such other money as is appropriated or transferred by the Legislature. The fund shall be used to attain the goals and priorities identified in the statewide technology plan. The fund shall be administered by the office of Chief Information Officer. Expenditures shall be made from the fund to finance the operations of the Information Technology

Infrastructure Act in accordance with the appropriations made by the Legislature. Transfers from the fund to the General Fund may be made at the direction of the Legislature. Any money in the Information Technology Infrastructure Fund available for investment shall be invested by the state investment officer pursuant to the Nebraska Capital Expansion Act and the Nebraska State Funds Investment Act.

Source: Laws 1996, LB 1190, § 6; Laws 1998, LB 924, § 42; Laws 2000, LB 1349, § 7; R.S.Supp.,2000, § 81-1195; Laws 2002, LB 1105, § 297; Laws 2002, Second Spec. Sess., LB 1, § 10; Laws 2003, LB 408, § 7; Laws 2006, LB 921, § 19; Laws 2008, LB823, § 8.

#### Cross References

- Nebraska Capital Expansion Act, see section 72-1269.
- Nebraska State Funds Investment Act, see section 72-1260.

#### **86-528. Enterprise project; funding.**

(1) The Legislature may allocate money from the Information Technology Infrastructure Fund for enterprise projects. The Legislature may recognize multiple-year commitments for large projects, subject to available appropriations, including remaining obligations for the century date change project managed by the department.

(2) No contract or expenditure for the implementation of an enterprise project may be initiated unless the commission has approved a project plan. The project plan shall include, but not be limited to, the objectives, scope, and justification of the project; detailed specifications and analyses that guide the project from beginning to conclusion; technical requirements; and project management. The commission may request clarification, require changes, or provide conditional approval of a project plan. In its review, the commission shall determine whether the objectives, scope, timeframe, and budget of the project are consistent with the proposal authorized by the Legislature in its allocation from the fund.

(3) The commission may also evaluate whether the project plan is consistent with the statewide technology plan and the commission's technical standards and guidelines.

Source: Laws 2000, LB 1349, § 8; R.S.Supp.,2000, § 81-1196.01; Laws 2002, LB 1105, § 298; Laws 2008, LB823, § 9.

#### **86-529. Enterprise project; commission; duties.**

To implement enterprise projects pursuant to sections 86-525 to 86-530, the commission shall:

(1) Develop procedures and issue guidelines regarding the review, approval, and monitoring of enterprise projects; and

(2) Coordinate with the Chief Information Officer to monitor the status of enterprise projects, including a complete accounting of all project costs by fund source.

Source: Laws 1996, LB 1190, § 10; Laws 1998, LB 924, § 43; Laws 2000, LB 1349, § 9; R.S.Supp.,2000, § 81-1199; Laws 2002, LB 1105, § 299; Laws 2008, LB823, § 10.

#### **86-530. Enterprise project; report.**

The Chief Information Officer shall report annually to the Governor and the Appropriations Committee of the Legislature on the status of enterprise projects. The report submitted to the committee shall be submitted electronically.

Source: Laws 1996, LB 1190, § 13; Laws 2000, LB 1349, § 10; R.S.Supp.,2000, § 81-11,102; Laws 2002, LB 1105, § 300; Laws 2008, LB823, § 11; Laws 2012, LB782, § 246.

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**86-569. Findings and intent.**

(1) The Legislature finds that Geographic Information Systems are a computer-based technology that captures, stores, analyzes, and displays information about the earth's surface from geographically referenced systems, that an interest in the systems is rapidly increasing at all levels of government, and that an institutional mechanism is needed to encourage initiatives, coordinate efforts, avoid duplication, seek efficiencies, develop guidelines, policies, and standards for operations and management, promote education and training, and make recommendations so that such technology will benefit the entire state and endure as an analysis tool for decisionmakers.

(2) It is the intent of the Legislature that a Geographic Information Systems Council be created with statewide responsibilities to take an active role in implementing Geographic Information Systems. Such council would help facilitate acquisition of such technology at all levels of government and make recommendations to the Legislature for program initiatives and funding and the fostering of communication, training, and education.

(3) It is the intent of the Legislature that the Geographic Information Systems Council serve as an advisory council to the Nebraska Information Technology Commission and assist the commission in its overall information technology planning and oversight and provide technical advice and recommendations related to the specialized needs of Geographic Information Systems.

Source: Laws 1991, LB 639, § 1; R.S.1943, (1999), § 81-2601; Laws 2002, LB 1105, § 339; Laws 2008, LB823, § 17.

**86-570. Geographic Information Systems Council; created; members; appointment; terms; expenses.**

(1) The Geographic Information Systems Council is hereby created and shall consist of:

(a) The Chief Information Officer or his or her designee, the chief executive officer or designee of the Department of Health and Human Services, and the director or designee of the Department of Environmental Quality, the Conservation and Survey Division of the University of Nebraska, the Department of Natural Resources, and the Governor's Policy Research Office;

(b) The Director-State Engineer or designee;

(c) The State Surveyor or designee;

(d) The Clerk of the Legislature or designee;

(e) The secretary of the Game and Parks Commission or designee;

(f) The Property Tax Administrator or designee;

(g) One representative of federal agencies appointed by the Governor;

(h) One representative of the natural resources districts nominated by the Nebraska Association of Resources Districts and appointed by the Governor;

(i) One representative of the public power districts appointed by the Governor;

(j) Two representatives of the counties nominated by the Nebraska Association of County Officials and appointed by the Governor;

(k) One representative of the municipalities nominated by the League of Nebraska Municipalities and appointed by the Governor;

(l) Two members at large appointed by the Governor; and

(m) Such other members as nominated by the Nebraska Information Technology Commission and appointed by the Governor.

(2) The appointed members shall serve terms as determined by the Nebraska Information Technology Commission.

(3) The members shall be reimbursed for their actual and necessary expenses as provided in sections 81-1174 to 81-1177.

Source: Laws 1991, LB 639, § 2; Laws 1993, LB 3, § 72; Laws 1998, LB 924, § 48; Laws 1999, LB 594, § 71; Laws 2000, LB 900, § 250; R.S.Supp.,2000, § 81-2602; Laws 2002, LB 1105, § 340; Laws 2006, LB 921, § 28; Laws 2007, LB296, § 812; Laws 2008, LB797, § 29; Laws 2008, LB823, § 18.

**86-571. Council; officers; advisory committees; meetings; expenses.**

(1) The Geographic Information Systems Council shall elect a chairperson from its members and such other officers as the council deems necessary.

(2) As the need arises, advisory committees may be established by the council from various levels of government, industry, or the general public to assist the council. The members of advisory committees shall be reimbursed for their actual and necessary expenses as provided in sections 81-1174 to 81-1177.

(3) The council shall meet quarterly or upon the call of the chairperson.

Source: Laws 1991, LB 639, § 3; Laws 1999, LB 238, § 2; R.S.1943, (1999), § 81-2603; Laws 2002, LB 1105, § 341; Laws 2008, LB823, § 19.

**86-572. Council; duties.**

The Geographic Information Systems Council shall:

(1) Make recommendations to the Legislature and the Nebraska Information Technology Commission for program initiatives and funding. The recommendations submitted to the Legislature shall be submitted electronically;

(2) Establish guidelines and policies for statewide Geographic Information Systems operations and management to include:

(a) The acquisition, development, maintenance, quality assurance such as standards, access, ownership, cost recovery, and priorities of data bases;

(b) The compatibility, acquisition, and communications of hardware and software;

(c) The assessment of needs, identification of scope, setting of standards, and determination of an appropriate enforcement mechanism;

(d) The fostering of training programs and promoting education and information about Geographic Information Systems; and

(e) The promoting of Geographic Information Systems development in the State of Nebraska and providing or coordinating additional support to address Geographic Information Systems issues as such issues arise;

(3) Report to, assist, and advise the Chief Information Officer in setting information technology policy; and

(4) Provide assistance as requested by the commission and support the technical panel created in section 86-521.

Source: Laws 1991, LB 639, § 4; Laws 1998, LB 924, § 49; Laws 1999, LB 446, § 11; R.S.1943, (1999), § 81-2604; Laws 2002, LB 1105, § 342; Laws 2005, LB 343, § 11; Laws 2008, LB823, § 20; Laws 2012, LB782, § 247.

**86-573. Council; report.**

The Geographic Information Systems Council shall provide a report of its activities to the Nebraska Information Technology Commission for inclusion in the biannual progress report submitted to the Governor and the Legislature by the commission pursuant to section 86-518.

Source: Laws 1991, LB 639, § 5; Laws 1998, LB 924, § 50; R.S.1943, (1999), § 81-2605; Laws 2002, LB 1105, § 343; Laws 2008, LB823, § 21.

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Source: [http://nebraskalegislature.gov/laws/display\\_html.php?begin\\_section=86-501&end\\_section=86-530](http://nebraskalegislature.gov/laws/display_html.php?begin_section=86-501&end_section=86-530) and [http://nebraskalegislature.gov/laws/search\\_statute.php?begin\\_section=86-569&end\\_section=86-573](http://nebraskalegislature.gov/laws/search_statute.php?begin_section=86-569&end_section=86-573)

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