

MEETING AGENDA

NEBRASKA INFORMATION TECHNOLOGY COMMISSION

Tuesday, November 15, 2011, 1:30 p.m.
Governor's Residence - Lower Level Meeting Room
1425 H Street, Lincoln, Nebraska

AGENDA

[Meeting Documents](#) (146 pages)

| | |
|-----------|---|
| 1:30 p.m. | Roll Call, Notice of Meeting & Open Meetings Act Information Approval of Minutes* - June 30, 2011 Public Comment |
| 1:40 p.m. | Reports from the Councils and Technical Panel A. Community Council Report B. Education Council Report <ul style="list-style-type: none">• Network Nebraska Update• Revised Education Council Charter*• Membership* C. GIS Council Report <ul style="list-style-type: none">• NebraskaMAP Update• GIS Strategic Planning, Applied Geographics, Inc.• Revised GIS Council Charter*• Staff Replacement Update D. eHealth Council Report <ul style="list-style-type: none">• State HIE Progress Report and Metrics E. State Government Council Report <ul style="list-style-type: none">• Revised State Government Council Charter*• Project Proposals - FY2012 Deficit Budget Requests - NITC Recommendations*<ul style="list-style-type: none">◦ Public Employees Retirement System - (Full Text Summary Sheet) F. Technical Panel Report <ul style="list-style-type: none">• Standards and Guidelines<ul style="list-style-type: none">◦ NITC 5-102: Microsoft Enterprise Agreement – Home Use Program Policy*<ul style="list-style-type: none">- Technical Panel Recommendation: Approve- State Government Council Recommendation: Approve◦ NITC 7-201: Network Edge Device Standard for Entities Choosing to Connect to Network Nebraska (Revised)*<ul style="list-style-type: none">- Technical Panel Recommendation: Approve• Revised Technical Panel Charter*• Enterprise Projects - Status Report |

| | |
|-----------|---|
| 2:40 p.m. | Review and Approval of the Statewide Technology Plan Action Items* |
| 3:00 p.m. | <p>Informational Updates</p> <ul style="list-style-type: none"> • Enterprise Content Management (ECM) Project Update • Microsoft Cloud • Digital Summit, October 27, 2011 • Cyber Security Conference, July 26, 2011 • 2011 OCIO Annual Report Completed • NWIN/NRIN Update (Nebraska Wireless Interoperable Network/Nebraska Regional Interoperable Network) |
| 3:30 p.m. | Other Business |
| 3:45 p.m. | Adjournment |

*** Indicates action items.**

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

The meeting notice was posted to the [NITC website](#) and the [Nebraska Public Meeting Calendar](#) on October 14, 2011. The agenda was posted on the NITC website on November 9, 2011.

NEBRASKA INFORMATION TECHNOLOGY COMMISSION

Thursday, June 30, 2011, 1:30 p.m.

Educational Service Unit 10, Conference Room E

76 Plaza Blvd, Kearney, Nebraska

Videoconference Sites [Neb. Rev. Stat. § 84-1411(2) and (6)]

City Administration Offices, 1615 1st Avenue, South Sioux City, Nebraska

Executive Building, Suite 103, 521 South 14th Street, Lincoln, Nebraska

PROPOSED MINUTES

MEMBERS PRESENT:

Lieutenant Governor Rick Sheehy, Chair

Senator Galen Hadley (non-voting)

Pat Flanagan, Information Services Manager

Lance Hedquist, City Administrator, South Sioux City (South Sioux City Site)

Dr. Dan Hoelsing, Superintendent, Alliance Public Schools

Mike Huggenberger, Director-Netlink, Great Plains Communications

Dr. Janie Park, President, Chadron State College

Trev Peterson, Attorney, Knudsen, Berkheimer, Richardson, and Endacott, LLP (Lincoln Site)

Dan Shundoff, Intellicom

MEMBERS ABSENT: Doug Kristensen, JD, Chancellor, University of Nebraska-Kearney

ROLL CALL, NOTICE OF MEETING & OPEN MEETINGS ACT INFORMATION

Lt. Governor Sheehy called the meeting to order at 1:30 p.m. At the time of roll call, there were eight voting members present to conduct official business. The meeting notice was posted to the NITC and Public Meeting Calendar websites on June 21, 2011. The agenda was posted on the NITC website on June 24, 2011.

APPROVAL OF MARCH 1, 2011 MINUTES

Dr. Hoelsing moved to approve the [March 1, 2011](#) minutes as presented. Dr. Park seconded. Roll call vote: Flanagan-Yes, Hedquist-Yes, Hoelsing-Yes, Huggenberger-Yes, Park-Yes, Peterson-Yes, Sheehy-Yes, and Shundoff-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

PUBLIC COMMENT

There was no public comment.

INFORMATIONAL UPDATES

Lincoln Public Schools Disaster Recovery. Kirk Langer, Technology Director, Lincoln Public Schools gave an update on the disaster recovery efforts of Lincoln Public Schools. On May 30, 2011, a fire at the Lincoln Public Schools (LPS) Administrative Offices was reported. All contents and the building's physical structure were considered a loss at approximately \$20 million. LPS had a multi-level disaster plan in place to save data off-site including back-up of transactional data (AS400 based). All were fully functional and available within 24 hours of the fire. Voice over IP was fully redundant within a 24 hour period. Early morning on May 31st, Walter Weir from the University of Nebraska called to assist LPS and offered I.T. relocation and mobilization including the temporary provision of I.T. equipment. There are two AS400 units housed in two different locations. Eighty (80%) of all front-line systems are in place. Discussions regarding a long term I.T. facility are occurring. In addition, continued discussions will occur about data repository opportunities. It was suggested that LPS share best practices with other school districts possibly through the Educational Service Units, ESU Network Operations Committee, Network Nebraska, and the Network Nebraska Advisory Group. Mr. Cone informed the Commission that ESU 10, ESU 11, ESU 13, ESU 15 and ESU 16 have developed a consortium that offers off-site data back-up for their school districts, in addition to other services.

Public Safety. At the last NITC meeting, it was reported that Phase 4 of the statewide public safety project was being installed. It is currently operational. The project is now working on the “inter-connectivity” portion. NPPD has moved their infrastructure to the Public Radio System. Two more entities want to be part of the Public Radio System - Lincoln Electric System and Lincoln County. The Lincoln County agreement was signed yesterday. Lincoln County is the first county in Nebraska to join. It is anticipated that the first group of local entities utilizing regional interoperability will be established by the end of summer.

2011 OCIO Annual Report. The Office of the CIO is working on the 2011 annual report. This year’s theme is “Measures of Success”. Since its inception in 1998, the Nebraska Information Technology Commission has developed from a policy-only focus to both a policy and operational focus, together with the Office of the CIO. It has had many accomplishments and has proven to be effective in its collaboration efforts. The Lincoln Public School’s fire crisis is an example of collaboration. The report will be sent to Commissioners before the next meeting.

FCC Public Forum. The Federal Communications Commission hosted a public forum on May 18, 2011 to listen to Nebraska citizens about programs, universal service and broadband. The Nebraska Public Service Commission provided assistance in planning the forum. Mignon Clyburn, Commissioner, Federal Communications Commission and Chair, Universal Service Federal/State Joint Board, as well as other representatives, were present for the forum. Nebraska success stories were heard. Dr. Hoelsing testified at the educational forum. Senator Hadley informed the Commission that the Nebraska Legislature’s Telecommunications and Transportation Committee also had an opportunity to speak to Congressman Lee Terry as well.

STATEWIDE TECHNOLOGY PLAN – APPROVAL OF STRATEGIC INITIATIVES

Brenda Decker, Chief Information Officer

The NITC’s current strategic initiatives are:

- Network Nebraska
- Community IT Planning and Development
- eHealth
- Public Safety Communications System
- Digital Education
- State Government Efficiency
- E-Government
- Security and Business Resumption

The NITC advisory councils develop action plans to accomplish the NITC initiatives. Discussion occurred regarding the LPS fire and where disaster recovery should be included as an initiative. It was determined that it could be included under the “Security and Business Continuity” initiative. There are discussions underway in the education community about Network Nebraska offering disaster recovery for educational entities. In addition, moving to the cloud will assist state government with its disaster recovery and business continuity efforts. The Office of the CIO recently practiced business continuity with the replacement of the Uninterruptible Power Supply (UPS) system. The system was replaced without any interruption of government services and/or operations to Nebraska citizens. Brenda Decker commented that the project was likened to changing an aircraft engine while in flight.

Commissioner Shundoff moved to approve the [Statewide Technology Plan Strategic Initiatives](#). Commissioner Flanagan seconded. Roll call vote: Shundoff-Yes, Sheehy-Yes, Peterson-Yes, Park-Yes, Huggenberger-Yes, Hoelsing-Yes, Hedquist-Yes, and Flanagan-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

REPORTS - COMMUNITY COUNCIL REPORT

Brenda Decker, Chief Information Officer (reporting for Anne Byers)

[Broadband Update](#). The Council has been partnering with the Public Service Commission's broadband planning activities. A series of regional forums were held to present Nebraska's broadband map and to kick off regional broadband planning efforts. The dates and locations of the forums are listed below:

March 23 – Norfolk
March 30 -- Gering
March 31 – Valentine
April 6 -- North Platte
April 7 -- McCook
April 13 -- Lincoln
April 14 -- Minden
April 28 -- Omaha

Regional broadband committees are beginning to meet. These groups will be assessing each region's e-readiness and develop a plan to encourage adoption of broadband applications and the continued deployment of broadband services.

REPORTS - [EHEALTH COUNCIL REPORT](#)

Brenda Decker, Chief Information Officer (reporting for Anne Byers)

Health Information Exchange Activities. Nebraska is making significant progress in developing statewide health information exchange. Nebraska's State Health Information Exchange Cooperative Agreement is supporting the efforts of NeHII, the state's lead health information exchange, and eBHIN (the Electronic Behavioral Health Information Network), a specialty exchange serving behavioral health providers.

NeHII. Creighton University Medical Center joined NeHII this spring, bringing the number of hospitals participating in NeHII to 17. Participating hospitals and payers include:

- Alegent Health Hospitals (Bergan, Community Memorial, Immanuel, Lakeside, Memorial, Mercy, Midlands, Nebraska Spine),
- Children's Hospital and Medical Center,
- Creighton University Medical Center,
- Great Plains Regional Medical Center,
- Mary Lanning Memorial Hospital
- Methodist Health System (Methodist Hospital and Methodist Women's Hospital),
- The Nebraska Medical Center including Bellevue Medical Center, and
- BlueCross and BlueShield of Nebraska.

NeHII is expected to announce the addition of several other hospitals and health systems in the next few months. Nearly 1,700 providers are participating in NeHII, up from nearly 1,300 in early January. NeHII is one of the first health information exchanges to provide services to pharmacies. Six pharmacies have now joined NeHII. NeHII has tested the exchange of data from health care providers using NeHII's EMR to the State's immunization registry. Further work on exchanging data between NeHII and the State's immunization registry will continue after NeHII finishes a system upgrade.

Electronic Behavioral Health Information Network (eBHIN). eBHIN is going live with the exchange of demographic data to Magellan, the organization which is contracted to oversee the provision of mental health, substance abuse, and gambling addiction treatment for the Nebraska Department of Health and Human Services. The exchange of clinical data among providers in southeast Nebraska will go live later this summer. eBHIN plans to expand services to Region I in the Panhandle later this year. eBHIN has discussed providing services to other regions as well.

Managing Consent and Authorization. NeHII and eBHIN have developed an innovative method of managing consent and authorization to allow the exchange of information between NeHII and eBHIN in compliance with federal requirements regarding the exchange of specially protected health information. CFR 42 Part 2 requires that the recipient of specially protected health information be named. In the HIE environment, with a record locator service, the record could potentially be available to everyone in the network. Utilizing a list of network participants with the release is not practical because it is invalidated anytime a new member is added, and the number of participants could become quite large. A two-part consent process was developed. In the first treatment setting, the patient consents to allow the information to be sent to the HIE. In the second treatment setting, the patient consents to allow them to go retrieve the record. This allows the participating organization to be named. The Network Participating Organizations agree through a participation agreement that records will only be accessed for treatment purposes, and individual users are required to sign a user agreement stating they will abide by these policies. Random audits are performed to assure that inappropriate access is not taking place. This will allow providers across Nebraska to have access to the complete medical record at the time of treatment.

Upcoming Events:

- Wide River Technology Extension Center and the Centers for Medicare and Medicaid Services (CMS) are planning a press conference on July 19 in Omaha to celebrate the first Medicare incentive payment made to a Nebraska physician for the adoption of electronic health records.
- NeHII will hold its annual meeting in North Platte on July 21 from 2:00 to 5:00.
- On July 20-22, Erica Galvez from the U.S. Department of Health and Human Services Office of the National Coordinator for Health IT will be making a site visit to see firsthand the progress being made through Nebraska's State HIE Cooperative Agreement. She will also be attending the NeHII annual meeting.
- On August 24, Wide River Technology Extension Center will host a summit on meeting Meaningful Use in Scottsbluff. The event will include a discussion of e-prescribing from the perspectives of both pharmacists and prescribers. Deb Bass from NeHII and Lisa Bewley from Regional West Medical Center will also give a presentation on how health information exchange can support hospitals in achieving Meaningful Use of electronic health records.

Audit. The State Auditor's Office has notified DAS Accounting that the State HIE Cooperative Agreement will be audited this year as part of the State's single audit.

Progress Reports. The Office of the National Coordinate did not specify a report format or require progress reports until May 27, 2011. In the interim, reports have been submitted using our own format. The April report is included in the meeting materials. There were no questions from the Commissioners on the progress reports.

- [April State HIE Progress Report](#)
- [June 2010 State HIE Progress Report](#)

Membership. The following slate of membership nominations has been approved by the eHealth Council for final approval by the NITC.

Membership renewals:

- Senator Annette Dubas
- Congressman Jeff Fortenberry
- Lianne Stevens, The Nebraska Medical Center
- September Stone, Nebraska Health Care Association
- Ken Lawonn, NeHII and Alegent Health
- Sue Medinger, Department of Health and Human Services, Division of Public Health
- Marsha Morien, UNMC College of Public Health
- Vivianne Chaumont, Department of Health and Human Services, Division of Medicaid and Long Term Care
- Greg Schieke, Wide River Technology Extension Center

New eHealth memberships:

- Laura Meyers, Nebraska Statewide Telehealth Network (A resume in the meeting materials.)

- Donna Hammack, St. Elizabeth Foundation (Formerly represented the Nebraska Statewide Telehealth Network, has agreed to represent St. Elizabeth Regional Medical Center.)

Commissioner Park moved to accept the renewal and new membership nominations for the eHealth Council. Commissioner Shundoff seconded. Roll call vote: Hedquist-Yes, Hoelsing-Yes, Huggenberger-Yes, Park-Yes, Peterson-Yes, Sheehy-Yes, Shundoff-Yes, and Flanagan-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

REPORTS - EDUCATION COUNCIL REPORT

Tom Rolfes, Education I.T. Manager

Network Nebraska Update. Staff of the Office of the CIO is gathering data to respond to additional Program Integrity Assurance questions from the Universal Services Administrative Corporation (USAC). Effective July 1, the available amount of Internet access for Network Nebraska will increase from 1.9 to 2.2 Gbps (Gigabits per second). Currently 226 entities are Network Nebraska partners. All 226 partners are rejoining Network Nebraska for another year. The Southeast ESU Region of ESUs 3, 4, 5, 6, have never been part of Network Nebraska due to having their own high speed network. This year, there are 18 entities within this region that have decided to join Network Nebraska pending school board and/or administrative approval. The Grand Island Public Library will be the first library to join Network Nebraska and that will occur by August 1. Hastings Community College, Metropolitan Community College, Doane College and Creighton University will also be joining. After these new partners join, there will be 246 entities participating. The Henry Doorly Zoo, the Omaha Catholic Archdiocese and some other independent colleges have also expressed interest in joining Network Nebraska. eRate will reimburse 68% or about \$200,000 of the eligible statewide backbone expenditures be for this coming year. Until confirmation has been received from all prospective partners, the Participation and Interregional Transport rates for 2012 cannot be determined. It is anticipated that rates will decrease slightly with the addition of the new partners. This coming fall, Network Nebraska's RFP will include the rebidding of the statewide backbone, statewide Internet access, core aggregation routers, and over 150 wide area network (WAN) circuits.

Network Nebraska Advisory Group Update. The Advisory Group met on April 26th and will be meeting on July 13th. The group is looking at redesigning the Network Nebraska web site and has also formed a work group to address IPv6. Within the next 12-18 months, every technology device on the Internet will be moving to IPv6 addressing.

Membership. The Education Council met on March 10 and May 10 to work on the action items and will update them and have them available for approval at the next NITC meeting. The following slate of membership nominations has been recommended by the Education Council for final approval by the NITC.

Higher Education (2011-13 term)

Membership renewals: Yvette Holly, UN System and Ed Hoffman, State College System

New membership: Ken Clipperton, Independent Colleges & Universities

K-12 Education (2011-13 term)

Membership Renewals; Bob Uhing, Educational Service Units; Stephen Hamersky, Non-public Teachers; and Leonard Hartman, Public Teachers

New Membership: Mike Lucas, Administrators

Pro Tempore Members (2010-12 term)

John Dunning, State College System

The Council is still awaiting replacement confirmations for Mike Chipps, Community College System and Arnold Bateman, University of Nebraska System.

Commissioner Hoelsing moved to approve the new and renewal membership nominations from the Education Council. Commissioner Huggenberger seconded. Roll call vote: Shundoff-Yes, Sheehy-Yes, Peterson-Yes, Park-Yes, Huggenberger-Yes, Hoelsing-Yes, Hedquist-Yes, and Flanagan-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

REPORTS - STATE GOVERNMENT COUNCIL REPORT

Rick Becker, Government I.T. Manager

The State Government Council has met twice since the last NITC meeting to discuss, review and recommend the two standards being presented today by the Technical Panel. As a follow-up from the last meeting, the Hardware Configuration Work Group was established with the goal of developing standardized configuration for price savings. The State of Nebraska has signed a contract with WSCA (Western States Contracting Alliance) offering premium savings of up to 40% with no purchasing requirements. Standard configurations are updated every six months.

Revised Council Charter. The primary reason for revising the charter was to add language regarding conflicts of interest for members. The issue arose in the GIS Council and will be discussed in the GIS Council Report. Although this is listed as an action item, Mr. Becker requested that the Commission not take any action today. Staff will be working with the Nebraska Accountability and Disclosure Commission to revise the draft conflicts language. This will be an action item for the next Commission meeting.

REPORTS - GIS COUNCIL REPORT

Larry Zink, GIS Coordinator

Revised Council Charter. The proposed revision of the Council Charters was at least in part in a response to an issue that arose in the GIS Council. The Office of the CIO, in support of the GIS Council, has released an RFP for GIS Strategic Planning. One of the Council members had recently changed employment and had taken a position with a firm that expressed an interest in competing for the bid. Since the Council member had taken this new position, he and the Council had tried to be very careful to proactively follow proper protocol and excuse him from meetings when details of the RFP were being discussed and from other communications related to the details of the RFP. DAS Material Division ultimately decided that all parties involved had been sufficiently proactive in our efforts to avoid potential conflicts of interest. However, in reviewing the process followed, the Council was encouraged to modify its Council Charter to add a little more clarity about how potential conflicts of interest should be handled.

Initial draft language has been developed, but as Mr. Becker mentioned earlier, further discussions with the Nebraska Accountability and Disclosure Commission need to occur before it is finalized. Staff and commissioners agreed to wait until the next meeting to approve this revision to all NITC's Advisory Group charters.

RFP for Strategic Planning. As was noted before, the OCIO has released, on behalf of the GIS Council, an RFP requesting bids for statewide GIS/geospatial strategic planning. The funding for this strategic planning effort will come from a grant from the Federal Geographic Data Committee (FGDC). The bid proposals are due July 11, 2011.

The NebraskaMAP Final Project Report is now completed and is posted on the website. The NITC funded approximately one-half of the two-year startup pilot project funding. Many of the objectives of the pilot project were successfully completed and a working model of the enterprise-level geospatial data portal is now running on the [OCIO servers](#). The two-year pilot has successfully shown the potential of this technology when employed to support enterprise-level geospatial services. A broad cross-section of state, local and federal agencies have supported this project and continue to be involved. The GIS Council and the OCIO are struggling with how to continue and sustain the project in the context of the current state budget crunch. To support and further develop the potential of this enterprise-level service, it is necessary to have available some fairly high-level GIS/Internet technical skills. While the OCIO has available a broad spectrum of the skills needed to support these web-based services, there is currently no one at the OCIO with these GIS/Internet technical skills.

Several of the state and local agencies involved in providing support and planning activities related to the current Missouri River flooding have requested that the NebraskaMAP infrastructure be used to help support those efforts. GIS and GIS datasets are critical elements in supporting flood-related activities. One of the problems is that different agencies have different versions of similar datasets and this can

cause problems as they seek to work together to respond to flood-related problems. It has been requested that some commonly used GIS datasets (imagery, elevation, anticipated flood inundation areas, etc.) be made available through the NebraskaMAP so that multiple agencies can be working from the same datasets. The current lack of dedicated high-end GIS technical support for the NebraskaMAP has slowed the response to this request. However, the OCIO and the GIS Council are seeking to respond through the use of some “volunteer” technical support from Game and Parks Commission, Dept. of Natural Resources, and the City of Lincoln. This event has shown the importance of this type of enterprise service and the need to provide the technical support to allow it to realize its potential to support both emergency response and everyday business use.

REPORTS - TECHNICAL PANEL REPORT

Walter Weir, Chair

Mr. Weir complimented Educational Service Unit 10 on their facilities and commended the formation of the NITC and its mission and goals. Through the relationships established through the NITC, Lincoln Public Schools knew who to contact and all entities came together to take care of LPS.

Standards and Guidelines, NITC 4-205: Social Media Guidelines (Revised). The purpose of this document is to provide guidelines for the use of social media by state government agencies. Agencies may utilize these guidelines as a component of agency policy development for sanctioned participation using social media services, or simply as guidelines. State employees or contractors creating or contributing to blogs, microblogs, wikis, social networks, or any other kind of social media both on and off the Nebraska.gov domain need to be made aware of these guidelines or the guidelines of their agency. The State expects all who participate in social media on behalf of the State, to understand and to follow the appropriate guidelines. These guidelines will evolve as new technologies and social networking tools emerge. The decision to utilize social media technology is a business decision, not a technology-based decision. It must be made at the appropriate level for each department or agency, considering its mission, objectives, capabilities, and potential benefits. Since these technologies are tools created by third parties, these guidelines are separate from state policies regarding privacy and cookies. Agencies may choose to author disclaimers to remind users that, at their own risk, they are leaving an official state website for one which is not hosted, created, or maintained by the State of Nebraska, and that privacy controls and the use of cookies becomes the jurisdiction of that third-party utility.

Both the State Government Council and the Technical Panel have recommended approval of the revised guidelines.

Commissioner Park moved to approve NITC 4-205: Social Media Guidelines as revised. Commissioner Hoelsing seconded. Roll call vote: Huggenberger-Yes, Park-Yes, Peterson-Yes, Sheehy-Yes, Shundoff-Yes, Flanagan-Yes, Hedquist-Yes, and Hoelsing-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

Standards and Guidelines, NITC 5-204: Linking a Personal Portable Computing Device to the State Email System (Revised). This standard provides for the requirements to connect a personal Portable Computing Device (PCD) to the State's email system. This standard does not apply to PCDs provided by the agency.

Originally, the NITC approved the standard for non-confidential data. Since then, there have been agencies requesting that a standard for confidential information also be developed. Rather than create a whole new standard, the work group decided to have one standard with two different attachments for staff to sign – one for “non-confidential” data and another for “confidential” data. Agency directors still have the authority to approve or deny staff's requests. The State Government Council recommended approval with the addition of a statement above the employee's signature line stating that in the event of litigation the device may be subject to discovery requirements including impoundment. The Technical Panel recommended approval by the NITC.

Commissioner Hoelsing moved to approve NITC 5-204: Linking a Personal Portable Computing Device to the State Email System as revised and with the change recommended by the State Government Council. Commissioner Shundoff seconded. Roll call vote: Flanagan-Yes, Hedquist-Yes, Hoelsing-Yes, Huggenberger-Yes, Park-Yes, Peterson-Yes, Sheehy-Yes, and Shundoff-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

New Work Group. Rick Becker reported that the NITC statutes require the establishment of an advisory group for intergovernmental data communications. This requirement was added as part of legislation that discontinued a previous group known as NIDCAC (Nebraska Intergovernmental Data Communications Advisory Council). The former NIDCAC group brought together local government agencies to discuss issues. The OCIO has maintained a group which has been meeting monthly for this purpose. The Technical Panel is recommending that they formally recognize this group as a Technical Panel work group.

Commissioner Huggenberger moved to approve establishing an Intergovernmental Data Communications Work Group that would report to the Technical Panel. Commissioner Hoelsing seconded. Roll call vote: Shundoff-Yes, Sheehy-Yes, Peterson-Yes, Park-Yes, Huggenberger-Yes, Hoelsing-Yes, Hedquist-Yes, and Flanagan-Yes. Results: Yes-8, No-0, Abstained-0. Motion carried.

OTHER BUSINESS

[Cyber Security Conference.](#) Brad Weakly reported on the upcoming 6th Annual Cyber Security Conference. This year's keynote speaker, David Hemsath, is a UNL graduate. In addition to the breakout sessions, there will be two hands-on sessions – one for beginners and another for advanced users. Registration information was linked to the agenda. The conference will be held on July 26th at Southeast Community College, 68th & M, in Lincoln.

ADJOURN

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

The meeting was adjourned at 3:10 p.m.

Meeting minutes were taken by Lori Lopez Urdiales and reviewed by staff of the Nebraska Information Technology Commission.

November 8, 2011

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

Broadband Conference. On Nov. 1, over 100 individuals attended a broadband conference at the Cornhusker Marriott in Lincoln. The conference was organized as part of the Broadband Planning project funded through the Nebraska Public Service Commission's Broadband Mapping Grant from the National Telecommunications and Information Administration. The NITC Community Council is a partner in the Broadband Planning project along with the University of Nebraska-Lincoln Extension, the UNL Center for Applied Rural Innovation, Nebraska Department of Economic Development, Nebraska Public Service Commission, and AIM Institute. Highlights of the conference included a panel highlighting innovative broadband projects and businesses and a panel of broadband providers.

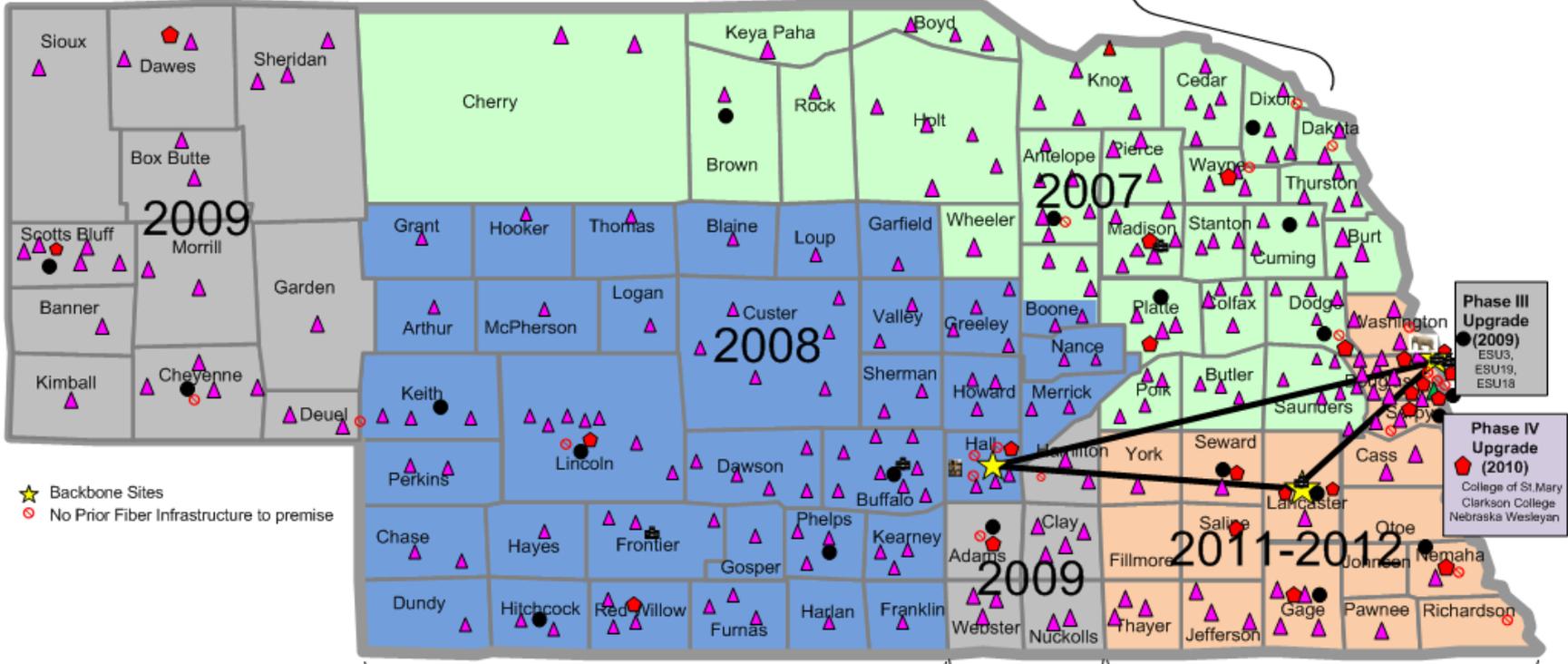
Broadband Webinars. The Broadband Planning project has started holding monthly webinars on broadband-related issues. Ron Roeber from Dell will give a presentation on *Clouds on the Horizon – How Developments in IT As-a-service Technologies Might Impact Rural America* on Nov. 16 at 10 a.m. Central Time/9 a.m. Mountain Time . The webinar can be accessed at <https://connect.unl.edu/broadband>. Tom Rolfes is the featured presenter for December. He will be discussing Network Nebraska and opportunities for community anchor institutions to participate.

Regional Planning Efforts. Regional coaches have begun forming regional technology planning teams to assess current e-readiness levels, set target e-readiness levels, and to develop plans to reach the target levels.

Network Nebraska-Education Map by Year

Phase III Upgrade
Panhandle Region: 23 high school districts,
2 ESU offices, 1 college campus

Phase I Upgrade
Green Shading of Northeast Region:
87 high school districts, 5 ESUs, &
2 college campuses



★ Backbone Sites
○ No Prior Fiber Infrastructure to premise

Phase III Upgrade (2009)
ESU3, ESU19, ESU18

Phase IV Upgrade (2010)
College of St Mary
Clarkson College
Nebraska Wesleyan

Phase II Upgrade
Central Region: 78 high school districts, 5 ESUs, 8 colleges

Phase III Upgrade
Southeast Region: 30 high schools, 4 ESUs,
7 college campuses

Phase V Upgrade
Southeast Region: 18 school districts,
3 ESUs, 4 college campuses, 1 Library, 1 Zoo

Phase I – Green Shading on Counties
North Central/NorthEast Regions 2007

- ▲ 87 School Districts
- 5 ESU Offices (1, 2, 7, 8, & 17)
- ◆ 2 College campuses
- NU (UNO, UNL, UNMC, UNK)

Phase II – Blue Shading on Counties
South Central Regions 2008

- ▲ 78 School districts
- 4 ESU Offices (10, 11, 15, & 16)
- ◆ 7 College campuses
- 1 NU (NCTA)

Phase III – Gray Shading on Counties
Western/SouthEast Regions in 2009

- ▲ 42 School districts
- 6 ESU Offices (3, 9, 13, 14, 18, & 19)
- ◆ 8 College campuses

Salmon Shading on Southeast Region (2011-2012)

- ▲ 18 School districts
- 3 ESU Offices (4, 5, & 6)
- ◆ 4 College campuses
- Henry Doory Zoo
- Grand Island Public Library

Membership Distribution of Network Nebraska--Education; 2011-12

| HIGHER EDUCATION SECTORS | | Participation Fee (Monthly) | Participation Fee (Annual) | Interregional Transport Fee (Monthly) | Interregional Transport Fee (Annual) | Minimum Bandwidth Req't to NN Aggregation Point (CP, NH, PKI) |
|--|------------|---------------------------------|-------------------------------|---|---|--|
| | Number | | | | | |
| Public Universities | 1 | \$ 190.21 | \$ 2,282.52 | \$ 101.09 | \$ 1,213.08 | 10 Mbps Ethernet |
| University of Nebraska | | | | | | |
| State Colleges | 3 | \$ 190.21 | \$ 6,847.56 | \$ 101.09 | \$ 3,639.24 | 10 Mbps Ethernet |
| Chadron, Peru, Wayne | | | | | | |
| Community Colleges | 6 | \$ 190.21 | \$ 13,695.12 | \$ 101.09 | \$ 7,278.48 | 10 Mbps Ethernet |
| Central, Metro, Mid-Plains, Northeast, Southeast, Western | | | | | | |
| Independent Colleges | 7 | \$ 190.21 | \$ 15,977.64 | \$ 101.09 | \$ 8,491.56 | 10 Mbps Ethernet |
| Clarkson, Creighton, Doane, Hastings, Midland, St. Mary's, Wesleyan | | | | | | |
| TOTAL ANNUAL | 17 | | \$ 38,802.84 | | \$ 20,622.36 | |
| K-12 EDUCATION SECTORS | | Participation Fee (Monthly) | Participation Fee (Annual) | Interregional Transport Fee (Monthly) | Interregional Transport Fee (Annual) | Minimum Bandwidth Req't to NN Aggregation Point (CP, NH, PKI) |
| | Number | | | | | |
| Educational Service Units | 15 | \$ 190.21 | \$ 34,237.80 | \$ 31.69 | \$ 5,704.20 | 30 Mbps Ethernet |
| 1, 2, 3, 5, 7, 8, 9, 10, 11, 13, 15, 16, 17, 18, 19 | | | | | | |
| Public School Districts | 212 | \$ 190.21 | \$ 483,894.24 | \$ 31.69 | \$ 80,619.36 | 30 Mbps Ethernet |
| Too numerous to mention | | | | | | |
| Nonpublic School Systems | 1 | \$ 190.21 | \$ 2,282.52 | \$ 31.69 | \$ 380.28 | 10 Mbps Ethernet |
| Pope John XXIII-Elgin | | | | | | |
| TOTAL ANNUAL | 228 | | \$ 520,414.56 | | \$ 86,703.84 | |
| LOCAL GOVERNMENT SECTORS | | Participation Fee (Monthly)* | Participation Fee (Annual) | Interregional Transport Fee (Monthly)* | Interregional Transport Fee (Annual) | Minimum Bandwidth Req't to NN Aggregation Point (CP, NH, PKI) |
| | Number | | | | | |
| Public Libraries | 1 | \$ - | \$ - | \$ - | \$ - | 10 Mbps Ethernet |
| Grand Island Public Library | | | | | | |
| * Temporary no fees for 2011-12, 2012-13 | | | | | | |
| TOTAL ANNUAL | 1 | | \$ - | | \$ - | |
| TOTAL ANNUAL | | | \$ 559,217.40 | | \$ 107,326.20 | |
| E-RATE REIMBURSEMENT (projected) | | | | | \$ 191,318.27 | |
| | | | \$ 559,217.40 | | \$ 298,644.47 | |

State Purchasing RFP 3827Z1 Overview

Website: <http://www.das.state.ne.us/materiel/purchasing/3827.htm>

Timeline:

- October 25: Release of RFP and Posting of federal E-rate Forms 470
- November 7: Last day to submit bidder questions
- November 14: State will post answers to questions
- December 9: Bid opening
- December 28: State posts multiple “Letters of Intent to Contract”
- January 9: Performance Bond Submissions
- January 30: Contracts are finalized
- February: Up to 234 local boards must approve purchases off of the state contracts
- Early March: E-rate filing deadline for all E-rate eligible entities

Sections:

- 1) WAN transport circuits for K-12 (Appendix A)
 - a. 174 circuit upgrades or replacements, 40Mbps or greater
 - b. 60 new circuits, mostly 10Mbps-20Mbps
- 2) Backbone transport circuits (Appendix B)
 - a. Lincoln to Grand Island, 100Mbps – 2Gbps
 - b. Grand Island to Scottsbluff, 100Mbps – 2Gbps
 - c. Scottsbluff to Chadron, 100Mbps – 2Gbps
 - d. Chadron to Wayne, 100Mbps – 2Gbps
 - e. Chadron to Omaha, 100Mbps – 2Gbps
 - f. Wayne to Omaha, 100Mbps – 2Gbps
 - g. Grand Island to Omaha, 100Mbps – 2Gbps
- 3) Internet Access (Appendix C)
 - a. Grand Island, 800Mbps-2Gbps
 - b. Lincoln, 800Mbps-4Gbps
 - c. Omaha-1623 Farnam, 800Mbps-5Gbps
 - d. Omaha-PKI, 800Mbps-4Gbps
 - e. Scottsbluff, 100Mbps-1Gbps
- 4) WAN transport circuits for higher education (Appendix D)
 - a. Northeast Community College
 - b. Western Nebraska Community College
 - c. Mid-Plains Community College
 - d. Midland University

Nebraska Information Technology Commission

--Education Council Charter--

1. Introduction

The Education Council (hereafter referred to as "Council") of the Nebraska Information Technology Commission (hereafter referred to as "Commission") is a 16-member advisory committee of the Commission composed of representatives from K-12, postsecondary education, and four state agencies. The Council was originally formed by Executive Order 97-7 in November 1997 to identify, prioritize, and coordinate user needs with respect to educational information technology. The Council first met on March 12, 1998 and has conducted monthly or bimonthly meetings since.

2. Purpose of Charter

The purpose of this charter is to provide operational guidance to the Council members, clarify its relationship to the Commission, and to provide general information to all who read the proceedings and recommendations of the Council.

3. Authority

The Commission shall: "Establish ad hoc technical advisory groups to study and make recommendations on specific topics, including work groups to establish, coordinate, and prioritize needs for education, local communities, and state agencies[.]" NEB. REV. STAT. § 86-516 (7).

"Information technology means computing and telecommunications systems, their supporting infrastructure, and interconnectivity used to acquire, transport, process, analyze, store, and disseminate information electronically." NEB.REV.STAT. § 86-507

4. Commission Responsibilities and Mission

4.1 Commission Mission

"The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's investment in information technology infrastructure more accessible and responsive to the needs of its citizens regardless of location while making government, education, health care and other services more efficient and cost effective."

<http://www.nitc.state.ne.us/> <http://www.nitc.nebraska.gov/nitc/about.html>

4.2 Commission Responsibilities (Neb. Rev. Stat. § 86-516):

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

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

4.2.3 Review and adopt policies to provide incentives for investments in information technology infrastructure services;

4.2.4 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;

4.2.5 Adopt guidelines regarding project planning and management ~~– information sharing~~, 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 ~~that directly utilize state appropriated~~ which use an combination of general funds, federal funds, or cash funds for information technology purposes to the process established by ~~NEB. REV. STAT. §§sections~~ 86-512 to 86-524. ~~Governmental entities and political subdivisions may submit other projects involving information technology to the Commission for comment, review, and recommendations;~~ 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;

4.2.6 Adopt minimum technical standards, guidelines, and architectures upon recommendation by the technical panel. ~~created in NEB. REV. STAT. §86-521~~ Such standards and guidelines shall not unnecessarily restrict the use of new technologies or prevent commercial competition, including competition with Network Nebraska;

4.2.7 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, and state agencies;

4.2.8 By November 15 of each even-numbered year, ~~M~~make recommendations on technology investments to the Governor and the Legislature, including a prioritized list of projects, reviewed by the technical

~~panel, for which new or additional funding is requested pursuant to section 86-521;~~

4.2.9 Approve grants from the Community Technology Fund and Government Technology Collaboration Fund; ~~and~~

4.2.10 Adopt schedules and procedures for reporting needs, priorities, and recommended projects;

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

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

5. Education Council Mission and Responsibilities

5.1 Council Mission

The mission of the Council is to advise the Commission concerning education information technology needs, goals, and policy. The Council will identify, coordinate, and prioritize matters pertaining to information technology for a more strategic and cost-effective approach to developing the State's education information technology infrastructure.

5.2 Council Responsibilities:

5.2.1 Identify and prioritize education needs that could be met in a more cost-effective manner through the use of information technology;

5.2.2 Report needs, priorities, and recommended projects to the Commission in the manner determined by the Commission;

5.2.3 Assist the Commission in developing, reviewing and updating the statewide technology plan;

5.2.4 Recommend policies and guidelines for acceptable and cost-effective use of information technology in education;

5.2.5 Establish such subcommittees, task forces, or working groups as necessary and appropriate to advise the council on matters including coordination of technology initiatives, information technology operations, information management, data administration, and technology planning and training;

5.2.6 Encourage research on the effects of technology on learning and learner cognition;

5.2.7 Promote equitable use and access to technology throughout the education community;

5.2.8 Communicate information developed under Section 5.2 of this charter to education constituents through methods such as the information technology ~~information~~ clearinghouse; and

5.2.9 Such other responsibilities as directed by the Commission.

6. Membership

6.1 Number of Members

The Council ~~has~~ shall have 16 members, eight representing the K-12 sector, eight representing the postsecondary sector, and four non-voting ex officio representatives ~~of~~ from the Department of Education, the Coordinating Commission for Postsecondary Education, the Department of Administrative Services, and the Nebraska Educational Telecommunications Commission.

6.2 Sector Representation

6.2.1 K-12 Representation

6.2.1.1 Teachers--private schools (1), as recommended by the Board of the Nebraska Council of American Private Education; and public schools (2), as recommended by the Executive Officer of the Nebraska State Education Association.

6.2.1.2 Administrators (2), as recommended by the Executive Officer of the Nebraska Council of School Administrators.

6.2.1.3 Educational Service Units (2), as recommended by the Executive Officer of the Educational Service Unit Coordinating Council.

6.2.1.4 Boards of Education (1), as recommended by the Executive Officer of the Nebraska Association of School Boards.

6.2.2 Postsecondary Representation

6.2.2.1 State Colleges (2), as recommended by the Chancellor of the State College System.

6.2.2.2 Independent Colleges and Universities (2), as recommended by the Executive Officer of the Association of Independent Colleges and Universities of Nebraska.

6.2.2.3 Community Colleges (2), as recommended by the Executive Officer of the Nebraska Community College System

6.2.2.4 University of Nebraska System (2), as recommended by the President of the University of Nebraska System

6.2.3 Non-voting Ex Officio Representation

6.2.3.1 Department of Education (1)

6.2.3.2 Coordinating Commission for Postsecondary Education (1)

6.2.3.3 Department of Administrative Services (1)

6.2.3.4 Nebraska Educational Telecommunications Commission (1)

6.3 Member Responsibilities

Each member is responsible for maintaining two-way communication with their sector constituents concerning issues brought before the Council. Each member is responsible for attending the meetings of the Education Council or alerting his/her voting alternate to attend in their absence.

6.4 Change in Membership

If a change in membership becomes necessary due to resignation, removal, or change of job status, the sub-sector or agency represented is responsible for nominating or recommending the replacement member to the Council. The nomination will then be recommended by a simple majority of the Council members present and forwarded to the Commission for approval.

6.5 Length of Service

The current members will serve until June 30, 2001, with subsequent two-year staggered terms expiring on June 30 of each year. There is no limit to the number of consecutive terms that can be served.

One-half of the K-12 and one-half of the postsecondary members' terms shall expire on even numbered years and one-half of the K-12 and one-half of the postsecondary members' terms shall expire on odd numbered years.

6.6 Conflict of Interest

A Member with a potential conflict of interest in a matter before the Council or a potential interest in a contract with the Council is subject to the provisions of the Nebraska Political Accountability and Disclosure Act including sections 49-1499.02 and 49-14,102. A Member with a potential conflict of interest or a potential interest in a contract shall contact the Nebraska Accountability and Disclosure Commission and take such action as required by law.

7. Meeting Procedures

7.1 Chair(s)

7.1.1 The elected Co-Chairs will conduct the meetings of the Council, oversee the establishment, operation and dissolution of committees, propose meeting agendas, and maintain the general operations of the Council. The Council will follow an informal protocol as defined by *Robert's Rules of Order*.

7.1.2 The Co-Chairs of the Council will serve until June 30, 2001; with subsequent two-year elected terms expiring on June 30 of each year.

7.1.3 One Co-Chair shall be representative of K-12 education and one Co-Chair shall be representative of postsecondary education.

7.2 Quorum and Action Items

An official quorum consists of 8 (50%) of the 16 official members or their alternates. No official voting business may be conducted without an official quorum. Issues shall be decided by a majority vote of the voting members present.

7.3 Designated Alternates and Non-voting Alternates

7.3.1 Each member of the Council shall designate one (1) official alternate. This official voting alternate shall be registered with the Office of the Chief Information Officer and NITC and, in the absence of the official member, have all the privileges as the official member on items of discussion and voting.

7.3.2 If the official member and the member's official alternate are unable

to attend a Council meeting either in person or electronically, then the sub-sector affected may send a non-voting alternate to gather or share information.

7.4 Meeting Frequency

The Council shall meet not fewer than four times per year (quarterly). As a general rule, the Council shall attempt to meet bimonthly (every other month), except in conditions of extreme circumstances.

7.5 Subcommittees

The Council may, as it deems necessary, form task forces, teams, work groups, and special, ad hoc, and standing subcommittees to carry out its mission and responsibilities. Each time a new subcommittee is formed under the Council, the following seven sections must be decided and assigned within 30 days of formation.

7.5.1 Authority

The authority of any subcommittee of the Council is obtained and assigned through an official motion of the Commission and/or Council.

7.5.2 Goals

The Co-Chairs of the Council assign the goals of any subcommittee of the Council.

7.5.3 Charge

The Council delivers the charge to the subcommittee, which includes a monthly progress report back to the Council at its regular meeting.

7.5.4 Membership

The membership of each subcommittee of the Council shall be determined by appointment, election, or volunteerism, whichever means is most suitable to the Council. The subcommittees may include members from outside the Council as resource persons, as determined by the Council. The number of members on any subcommittee shall be fewer than a quorum of the members of the Council (<8).

7.5.5 Leadership

Each subcommittee of the Council shall have a single chair to provide leadership. The Co-Chairs of the Council may appoint this person, if the Co-

Chairs desire, or the majority of the subcommittee may elect this person.

7.5.6 Duration

The Council shall assign each subcommittee a specific duration to complete its charge. At the conclusion of the duration and delivery of its charge, the subcommittee shall be dissolved. If the subcommittee requires a longer duration than has been assigned, the chair of the subcommittee shall request an extension or renewed duration.

7.5.7 Process

The subcommittees charged by the Council may conduct their own meetings and forums away from the Council's regular monthly meetings. The chair of the subcommittee must inform the Office of the CIO-NITC of the date, time, and location of additional meetings.

7.5.8 Open Meetings

"Sections 84-1408 to 84-1414 of the Open Meetings Law shall not apply to subcommittees of such bodies unless a quorum of the public body attends a subcommittee meeting or unless such subcommittees are holding hearings, making policy, or taking formal action on behalf of their parent body..."

7.6 Expense Reimbursement

81-1182.01 "Any department, agency, Commission, council, committee, or board of the state may pay for the reasonable and necessary expenses for the recruitment, training, utilization, and recognition of volunteers providing services to the state and certain providers of services as established by the Director of Administrative Services."

7.6.1 NAS Policy CONC-005

"Volunteers shall mean those persons providing services to the State who are not being compensated for their time."

7.6.2 Request for Reimbursement

Council members needing reimbursement must submit a signed request to the Office of the CIO-NITC using the official state accounting forms.

7.7 Open Meeting Laws and Public Notice

It is the policy of the State of Nebraska that the formation of public policy is public business and may not be conducted in secret. Every meeting of a

public body shall be open to the public in order that citizens may exercise their democratic privilege of attending and speaking at meetings of public bodies.

7.7.1 Advance Notice

The Council shall give reasonable advance publicized notice of the time, place, and agenda of each meeting through the use of its web page, ~~<http://www.nitc.state.ne.us/>~~ <http://www.nitc.nebraska.gov/>. The agenda will also be available for public inspection during normal business hours at the Office of the CIO-NITC, 501 S. 14, 4th Floor, P.O. Box 95045, Lincoln, Nebraska 68509-5045. The Council 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.

7.7.2 Videoconferencing Meetings

Videoconferencing Meetings of the Council may be held by means of videoconferencing if: reasonable advance publicized notice is given; reasonable arrangements are made to accommodate the public's right to attend, hear, and speak; at least one copy of all documents being considered is available at each site; one member of the council is present at each site of the videoconference; and no more than one-half of the Council's meetings in a calendar year are held by videoconference.

7.7.3 Rights of the Public

It is not a violation for the Council to make and enforce reasonable rules and regulations regarding the conduct of persons attending, speaking, reporting, videotaping, photographing or recording its meetings. The Council may not forbid public participation at all meetings but may not be required to allow citizens to speak at each meeting. The Council shall not require members of the public to identify themselves as a condition for admission to the meeting but may do so as a condition for addressing the Council.

7.7.4 Minutes and Voting

The Council shall keep minutes of all meetings showing the time, place, members present and absent and the substance of all matters discussed. Any action taken on any question or motion duly moved and seconded shall be by roll call vote of the Council in open session, and the record shall state how each member voted or if the member was absent or not voting. The roll call shall be called on a rotational basis. Minutes shall be written and available for inspection within 10 working days or prior to the next convened meeting, whichever occurs earlier.

Charter Approved by the Nebraska Information Technology Commission on June 29, 1999.

Amendments approved by the NITC on:

06/22/2000

06/13/2001

01/27/2006

11/15/2011

**Nebraska Information Technology Commission
EDUCATION COUNCIL**

2011-2013 Membership Renewals/Replacements EXPIRING June 30, 2011

| <u>Name</u> | <u>Representing</u> | <u>Status</u> |
|-------------|---------------------|---------------|
|-------------|---------------------|---------------|

HIGHER EDUCATION (2011-13 term)

| | | |
|-------------------------|--------------------------|---|
| <u>Lyle Neal</u> | Community College System | Dennis Baack confirmed (6/23/11) |
|-------------------------|--------------------------|---|

PRO TEMPORE MEMBERS (2010-12 term)

| | |
|--|---|
| <u>Mary P. Niemiec</u> (Arnold Bateman retired) UN System | President Milliken confirmed (11/2/11) |
|--|---|

Note

Underlined Candidates are new voting members to the NITC Education Council and have a brief biographical statement attached to this document

11/07/2011 Education Council Meeting excerpt: Thomas O'Neill moved, and Lois Dietsch seconded, to recommend these membership changes to the Nebraska Information Technology Commission for approval. 8-Yes, 0-No, Motion passed unanimously.

Biographical Sketches

Lyle Neal

Lyle Neal was appointed SCC-Milford Campus Director/Vice President for Technology February 10, 2003. He succeeds Mike Chipps on the Education Council as a representative of the Nebraska Community College System. Mr. Neal has worked for Southeast Community College since 1971 in numerous capacities that include Instructor for Computer Programming and General Education (18 years), Southeast Community College Area Business Manager (7 years), Assistant Campus Director Milford Campus/Area Business Manager (7 years), and Milford Campus Director/Vice President for Technology (8 years and current). He earned Bachelor's Degree in Business Administration from Evangel University and graduate hours in Vocational Technical Education at UNL. Mr. Neal serves on the Seward County and City of Milford Economic Development boards, participates in community efforts, and serves as an Executive Leader of Christ's Place Church. Lastly, he currently serves as a member of the Network Nebraska Advisory Group.

Mary Paulett Niemiec

Mary Paulett Niemiec was named the NU Associate Vice-President for Distance Education and Director of the University of Nebraska Online Worldwide in August 2011. She succeeds Arnold Bateman as a representative of the University of Nebraska System. Ms. Niemiec previously had worked for the University of Illinois at Chicago since 1990 in varying capacities, most recently as Executive Director of External Education (6 years) and as Associate Director for Administration (8 years). She earned a Master of Public Administration from the University of Illinois at Chicago and holds a Bachelor of Science, Social Work from Southern Illinois University in Carbondale. Ms. Niemiec has been very active with the Sloan Consortium and was appointed a Sloan Consortium Fellow in 2011. Active in civic affairs, she has served as a trustee for the village of Homer Glen, Illinois.

Nebraska Information Technology Commission

Geographic Information Systems Council Charter

Adopted by Nebraska GIS Steering Committee on 5-14-08, and by NITC on 6-18-08
[DRAFT Revision](#)

1. Introduction

The Nebraska Geographic Information System Steering Committee (NGISSC) was established by the Nebraska Legislature in 1991 (*Reissued Revised Statutes of Nebraska, 1943, §86-569 through §86-573*), in an effort to coordinate the implementation of GIS / geospatial technology by public entities in Nebraska. The NGISSC statutes were revised and renamed as the Geographic Information Systems Council (hereafter referred to as “GIS Council”) of the Nebraska Information Technology Commission (hereafter referred to as “Commission”) in March 2008. The Council is an advisory committee of the Commission composed of representatives from state, county, municipal and federal government agencies, and other public and private entities using GIS/geospatial technologies as they relate to the geographic area of the State of Nebraska.

2. Purpose

The purpose of this Charter is to clarify the role of the GIS Council and its relationship with the Commission.

3. Authority

The Nebraska Information Technology Commission shall: "Establish ad hoc technical advisory groups to study and make recommendations on specific topics, including work groups to establish, coordinate, and prioritize needs for education, local communities, [intergovernmental data communications](#), and state agencies[.]" Neb. Rev. Stat. § 86-516(7). The GIS Council is further charged to: “(1) Make recommendations to the Legislature for program initiatives and funding; and (2) Establish guidelines and policies for statewide Geographic Information System operations and management...” Neb. Rev. Stat. § 86-572.

4. Commission Responsibilities and Mission

4.1. Commission Mission

~~The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's information technology infrastructure more accessible and responsive to the needs of its citizens, regardless of location, while making investments in government, education, health care and other services more efficient and cost effective. The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's investment in information technology infrastructure more accessible and responsive to the needs of its citizens regardless of location while making government, education, health care and other services more efficient and cost effective.~~

4.2. Commission Responsibilities (~~Neb. Rev. Stat. § 86-516~~)

~~The responsibilities and duties of the Commission are codified at Neb. Rev. Stat. § 86-516.~~

- ~~4.2.1. Annually by July 1, adopt policies and procedures used to develop, review, and annually update a statewide technology plan;~~
- ~~4.2.2. Create an information technology clearinghouse to identify and share best practices and new developments, as well as identify existing problems and deficiencies;~~
- ~~4.2.3. Review and adopt policies to provide incentives for investments in information technology infrastructure services;~~
- ~~4.2.4. 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;~~
- ~~4.2.5. 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 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;~~
- ~~4.2.6. Adopt minimum technical standards, guidelines, and architectures upon recommendation by the technical panel;~~
- ~~4.2.7. 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, and state agencies;~~
- ~~4.2.8. 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;~~
- ~~4.2.9. Approve grants from the Community Technology Fund and Government Technology Collaboration Fund;~~
- ~~4.2.10. Adopt schedules and procedures for reporting needs, priorities, and recommended projects;~~
- ~~4.2.11. Assist the Chief Information Officer in developing and maintaining Network Nebraska pursuant to section 86-5,100; and~~
- ~~4.2.12. Determine the format that state agencies, boards, and commissions shall use to report their information technology plans. The commission shall include an analysis of such plans in the statewide technology plan.~~

5. GIS Council Mission and Responsibilities

5.1. GIS Council Mission

The mission of the GIS Council is to encourage the appropriate utilization of GIS/geospatial technology and to assist organizations to make public investments in GIS/geospatial technology and spatial data in an effective, efficient, and coordinated manner

5.2. GIS Council Responsibilities

- 5.2.1. Make recommendations to the Legislature and the Commission for program initiatives and funding;
- 5.2.2. Make recommendations to the Commission for the establishment of 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;
 - e) The promoting of the Geographic Information System development in the State of Nebraska and providing or coordinating additional support to address Geographic Information System issues as such issues arise;
- 5.2.3. Provide leadership to the GIS user community and assistance to the Commission to facilitate the coordinated development and maintenance of the spatial data infrastructure (data, policies, standards, data distribution, coordination mechanisms, training, etc.) to serve the geographic area of Nebraska;
- 5.2.4. Facilitate communication and coordination among users of geospatial technology, at all levels of government and the private sector, as it relates to the geographic area of Nebraska, to encourage and enable collaboration, data sharing, and the effective, efficient utilization of the technology;
- 5.2.5. Encourage and guide the development of collaborative, enterprise-level services to reduce the public costs and broaden the access of public agencies and the general public to these technology tools and related information, and enable their efficient implementation and utilization;
- 5.2.6. Facilitate the development and adoption of spatial data standards and data documentation to enable to greatest return on public investments in data development by enabling and encouraging data sharing;
- 5.2.7. Coordinate efforts within state, local and federal agencies to identify priority, Nebraska-related, geospatial data needs and facilitate efforts to pool resources to enable the development of those priority datasets and propose data stewardship responsibilities;
- 5.2.8. Establish ad hoc advisory groups or subcommittees to study and make recommendations on specific topics;
- 5.2.9. Report to, assist, and advise the Chief Information Officer in setting information technology policy; and
- 5.2.10. Provide assistance as requested by the Commission in developing, reviewing, and updating the statewide technology plan; supporting the technical panel created in Neb. Rev. Stat. § Sect. 86-521; and other responsibilities as directed by the Commission.

6. Membership

6.1. Selection of Members

The GIS Council membership will include representatives from a broad cross-section of the areas of interest in the GIS/geospatial technology user community. The GIS Council may solicit nominations from organizations or individuals with an active interest or involvement in GIS/geospatial technologies. The Commission may also seek out additional qualified candidates. Nominations shall describe the qualifications of the person relative to the goals of the GIS Council. In choosing members, the GIS Council and the NITC shall strive for a balance of perspectives on GIS/geospatial technology issues.

6.2. Representation (#) *provided as a refer for number of members only*

- 6.2.1. The Chief Information Officer or his or her designee (1);
- 6.2.2. The Director of the Department of Environmental Quality or his or her designee (2);
- 6.2.3. The Director of the Department of Health and Human Services Regulation and Licensure or his or her designee (3);
- 6.2.4. The Director of the Conservation and Survey Division of the University of Nebraska or his or her designee (4);
- 6.2.5. The Director of the Department of Natural Resources or his or her designee (5);
- 6.2.6. The Director of the Governor's Policy Research Office or his or her designee (6);
- 6.2.7. The Director-State Engineer or designee (7);
- 6.2.8. The State Surveyor or designee (8);
- 6.2.9. The Clerk of the Legislature or designee (9);
- 6.2.10. The secretary of the Game and Parks Commission or designee (10);
- 6.2.11. The Property Tax Administrator or designee (11);
- 6.2.12. One representative of federal agencies nominated by the Commission and appointed by the Governor (12);
- 6.2.13. One representative of the natural resources districts nominated by the Nebraska Association of Resources Districts and appointed by the Governor (13);
- 6.2.14. One representative of the public power districts nominated by the Commission and appointed by the Governor (14);
- 6.2.15. Two representatives of the counties nominated by the Nebraska Association of County Officials and appointed by the Governor (15) (16);
- 6.2.16. One representative of the municipalities nominated by the League of Nebraska Municipalities and appointed by the Governor (17);
- 6.2.17. Two members at large nominated by the Commission and appointed by the Governor (18) (19);
- 6.2.18. Such other members as nominated by the Commission and appointed by the Governor. These additional members shall include:
 - a) Director of the Nebraska Emergency Management Agency or Military Dept. or his or her designee (20);
 - b) Director of the Nebraska Public Service Commission or his or her designee (21);

- c) One representative of Nebraska geospatial professional association nominated by the Commission and appointed by the Governor (22);
- d) One representative from the Omaha metro area nominated by the Commission and appointed by the Governor (23);
- e) One representative from the Lincoln metro area nominated by the Commission and appointed by the Governor (24);
- f) Up to two additional at-large representatives, as necessary to provide regional geographic and/or other key sectors of representation to be nominated by the Commission and appointed by the Governor (25) (26).

6.3. Number of Members

The number of members shall be no more than 26.

6.4. Vacancies

The GIS Council may solicit nominations to fill vacant positions and may recommend new members to the Commission for nominations to the Governor for final appointment. The Commission may also seek out additional qualified candidates.

6.5. Length of Service

One-third of the members shall initially serve 3-year terms. One-third of members will initially serve two-year terms. One-third of members will initially serve one-year terms. Subsequent terms will be three-years.

6.6. Member Responsibilities

6.6.1 Each member is responsible for maintaining two-way communication with their sector constituents concerning issues brought before the Council.

6.6.2. A Member with a potential conflict of interest in a matter before the Council or a potential interest in a contract with the Council is subject to the provisions of the Nebraska Political Accountability and Disclosure Act including sections 49-1499.02 and 49-14,102. A Member with a potential conflict of interest or a potential interest in a contract shall contact the Nebraska Accountability and Disclosure Commission and take such action as required by law.

6.7. Designated Alternates and Non-voting Alternates

6.7.1. Each member of the GIS Council may designate one (1) official voting alternate. This official voting alternate shall be registered with the Office of the Chief Information Officer and Commission and, in the absence of the official member, have all the privileges as the official member on items of discussion and voting.

6.7.2. If the official member and his/her official alternate are unable to attend a GIS Council meeting either in person or electronically, then the sub-sector affected may send a non-voting alternate to gather or share information.

7. Meeting Procedures

7.1. Chair(s)

The elected Chair or Vice Chair will conduct the meetings of the GIS Council, oversee the establishment, operation and dissolution of committees, propose meeting agendas, and maintain the general operations of the Council. The Chair or Vice Chair of the GIS Council will serve ~~two~~ one ~~year staggered~~ year terms, expiring on January 1.

7.2. Quorum

An official quorum consists of 50% of the official members or their voting alternates. No official voting business may be conducted without an official quorum.

7.3. Voting

Issues shall be decided by a majority vote of the voting members present.

7.4. Meeting Frequency

The Council shall meet on an as needed basis. The GIS Council will meet ~~no more than 8 and no fewer than 4~~ times per year.

7.5. Notice of Meetings

~~7.5.1.~~ Notice of the time and place of each meeting of the Council shall be made at least seven (7) calendar days prior to the meeting. Notice shall be published on the NITC and the GIS Council's Web sites.

~~7.5.2.~~ ~~The notice shall contain an agenda of subjects known at the time of the publicized notice or a statement that the agenda shall be readily available for public inspection at the Office of the Chief Information Officer, 501 S. 14th Street, 4th Floor, Lincoln, NE, during normal business hours by appointment.~~

7.6. Subcommittees or Advisory Committees

7.6.1. Subcommittees or Advisory Committees will be designated by vote of the Council to address specific topics.

7.6.2. Pursuant to provisions of Neb. Rev. Stat. § 84-1409(1), subcommittees and/or advisory committees of the Council shall not be required to provide notice of meetings.

7.7. Expense Reimbursement

Section 81-1182.01 states: "Any department, agency, commission, council, committee, or board of the state may pay for the reasonable and necessary expenses for the recruitment, training, utilization, and recognition of volunteers providing services to the state and certain providers of services as established by the Director of Administrative Services."

7.7.1. According to NAS Policy CONC-005, "Volunteers shall mean those persons providing services to the State who are not being compensated for their time."

7.7.2. Council members needing reimbursement must submit a signed request to the Office of the CIO-NITC using the official state accounting forms.

November 9, 2011

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

Progress Reports. The most recent State HIE Progress Report and metrics are included in the meeting materials.

Audit. The State Auditor's Office will begin an audit of the State HIE Cooperative Agreement on Nov. 14. The State Auditor's Office is required to audit recipients of federal grants meeting a certain threshold of expenditures.

Nebraska Health Information Initiative (NeHII). NeHII has continued to expand. Currently over 30 hospitals are either actively exchanging data through NeHII or have signed participation agreements to join NeHII. When all of these hospital connections are implemented, nearly two-thirds of the state's hospital beds will be covered by NeHII.

Immunization Registry. NeHII has been working with the Division of Public Health to exchange data with the State's immunization registry. The project has three phases. Phase I, in which data from a physician using NeHII's electronic health record is uploaded to the immunization registry, is in the final stages of testing.

Electronic Behavioral Health Information Network (eBHIN). eBHIN has gone live in Southeast Nebraska with its electronic health record system and data upload to Magellan, the Administrative Services Organization that manages behavioral health services for the State of Nebraska. The health information exchange application will go live in early 2012. Region I in the Panhandle is implementing an electronic health record system with funding from the Health Resources and Service Administration (HRSA) and will go live with the HIE shortly after Region V. eBHIN is working with other regions on plans to expand participation statewide.

eBHIN and NeHII have developed an innovative approach to managing consent for the release of behavioral health information to allow for the exchange of information between the two entities.

Evaluation. The eHealth Council, with assistance from a small work group, has developed a framework for evaluating the State HIE Cooperative Agreement. The Office of the CIO is beginning the process of contracting with an evaluator.

Direct. The Office of the National Coordinator for Health IT has developed protocols for secure messaging for health information. These protocols are called the Direct Project. NeHII is planning a

pilot project to use Direct to deliver laboratory results to physicians. NeHII is exploring other uses for Direct. For example, physicians could use Direct to send lab results or care summary information to patients who could then upload this information to a personal health record.

Nebraska HIE Program Status

Complete Patient Information at the Point of Care

HIE Program Status Briefing Nebraska

Lt. Governor Rick Sheehy
Anne Byers, State of Nebraska
Deb Bass and Chris Henkenius, NeHII
Wende Baker, eBHIN

- Home of the Nebraska Cornhuskers, College World Series, and Warren Buffet
- Only state with 100% public power and a Unicameral
- Memorial Stadium is the 3rd largest “city”



- Private sector should take the lead.
- Nebraska will leverage investments in HIE.
- NeHII acts as the lead HIE.
- eBHIN will connect behavioral health providers and will connect to NeHII.
- NeHII will connect with immunization registry, disease and syndromic surveillance systems.

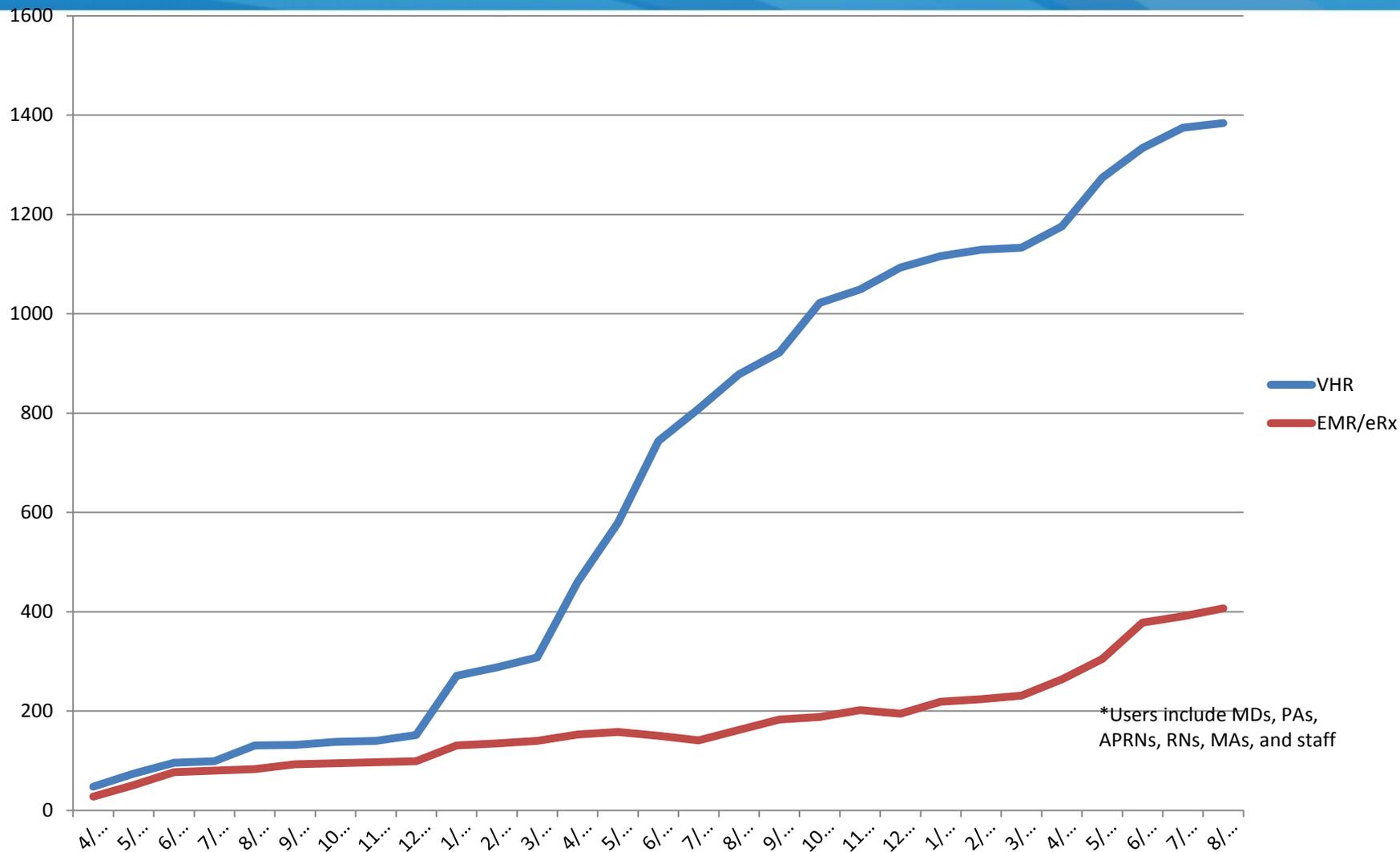
NeHII is one of the most advanced HIEs in the country.

- Connects 17 hospitals in Nebraska and Iowa
- Approximately 1,600 health care providers participate
- A pilot was conducted Feb-June 2009
- Based on hybrid federated model
- Includes over 1.8 million individuals in MPI
- Patients may opt out of participating in NeHII

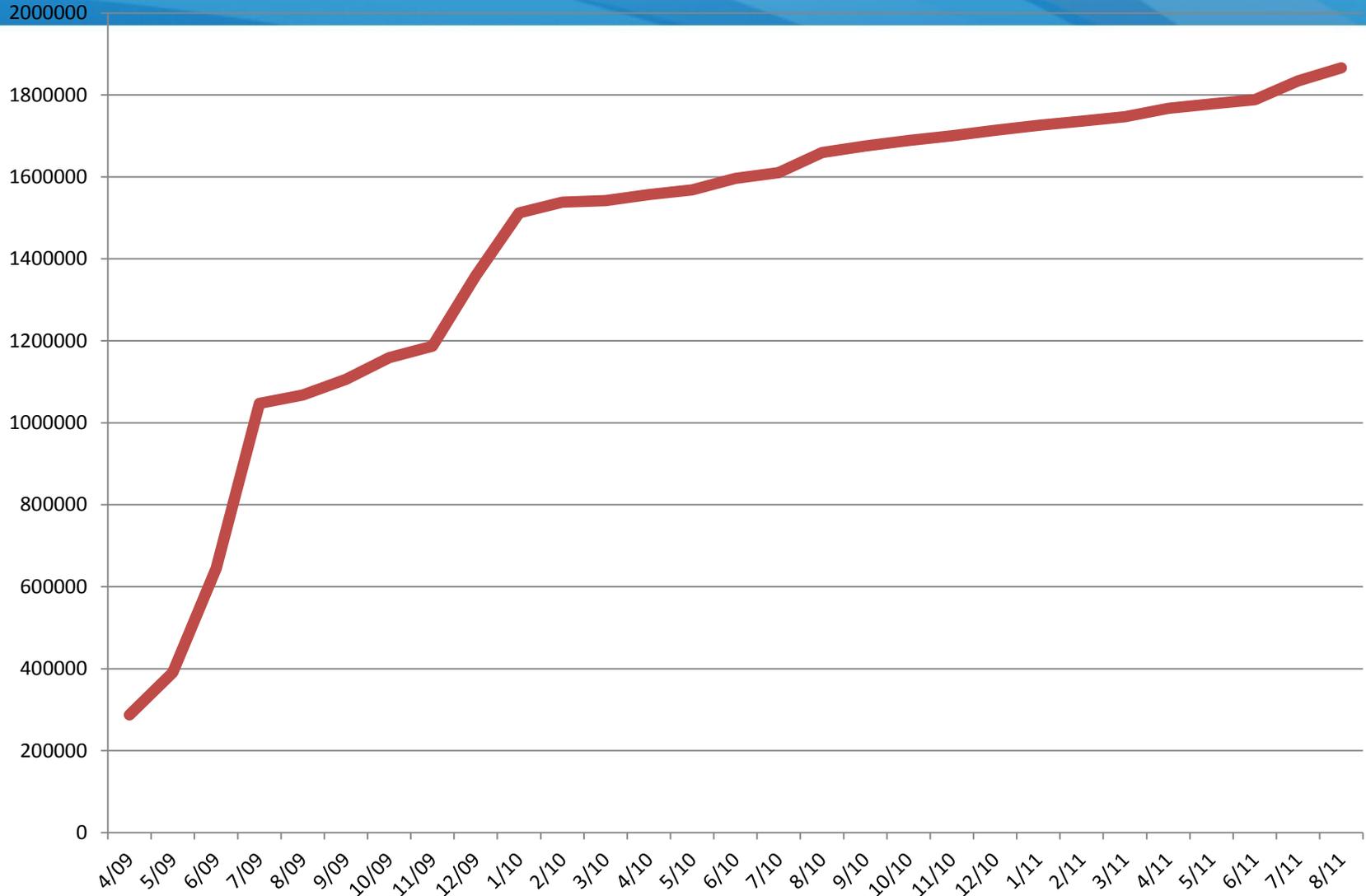
- 14 Critical Access Hospitals, 2 regional hospitals and 1 research hospital have signed participation agreements in Q3.
- When these hospitals are live, over 50% of Nebraska's hospital beds will be covered by NeHII.

- NeHII will be one of the first HIEs to serve as a PDMP.
- NeHII will be one of the first HIEs to link to immunization registry. Phase I (NeHII EHR to registry) went live this month.
- NeHII planning to pilot the use of Direct to exchange data with an independent reference lab.
- Other use cases for Direct will be to share protected data with eBHIN, ePHI across state lines and between patient and provider through PHRs.

NeHII Total Users*



Consumers with Demographic Data



"NeHII is a great tool for me to use, as a physician, to see what has been going on with the patient and their previous care prior to coming to the emergency department. However, when a patient opts out of NeHII, I feel their choice to opt out adversely affects their care. NeHII is fluid, easy to use and straight forward."

John Colling, MD
Omaha, NE

“Using NeHII, we are able to see patient medications, doses and method of administration so as to counsel patients. NeHII provides us the ability to enter immunizations we administer at the pharmacy. We have also begun a new process to update patient allergy information and enter it into NeHII. We can indicate the type of allergic reaction i.e. diarrhea, rash, difficulty breathing etc and have permanent record of this information and viewable by other NeHII users taking care of the patient.”

“NeHII is user friendly. It has been a fast valuable tool helping us to take excellent care of our customers.”

Karen Neubauer
Pharmacy Administrator
Kubat Pharmacy



“NeHII has been most useful in expediting our DME billing. Insurance companies are requiring chart notes to support the need for the patient's medical equipment. In the past we would fax the medical record department for this information and then wait 2-3 weeks to get them. Now we can access NeHII and have them within 2-3 days. This enables us to bill sooner and has made our whole process more efficient.”

Laura Kilborn

Manager of the Durable Medical Equipment

Elmwood Pharmacy



NeHII- Planned Functionalities

- Immunization Gateway
- Public Health Gateway
- Version Upgrade to 9.2
 - Discover Reporting Tool
 - Record Locator Service Upgrade
- NHIN Direct & Nw-HIN Exchange
- Single Sign-On
- PDMP Functionality
- Two Factor Authentication

- One of first behavioral health exchanges
- Went live with its EHR and data upload to Magellan in Southeast Nebraska this summer
- Will go live with the HIE pending vendor enhancements
- Panhandle Mental Health Center was awarded a \$900,000 HIT grant for EPM/EMR deployment and for the expansion of eBHIN services to the Panhandle region.

“The eBHIN workflow of the consumer appointments and the roles of staff from the front desk to the intake person to the counselor for their assessment were all revised to incorporate the new functions eBHIN has brought.

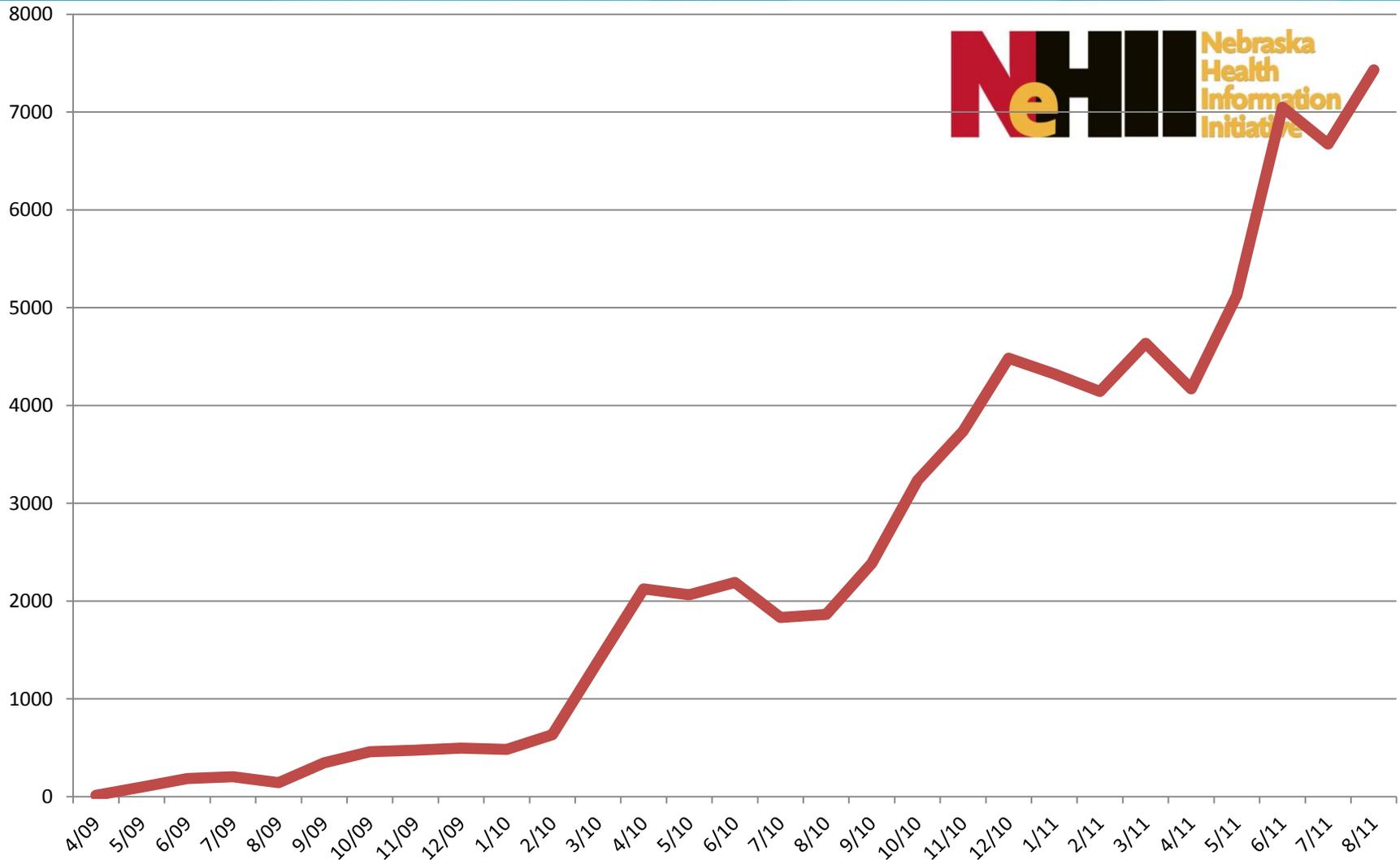
The improvements to the work flow have:

- Reduced the paper we do still have to use by eliminating redundant or moot data questions used on multiple forms;
- Increased efficiency and reduced the length of the intake/registration with concurrent data entry for most data entered electronically;
- Been far more sensitive to the consumer regarding intrusive questions about trauma and drug/alcohol use by changing the order of appointments for registration;
- Improved the quality of data with revised workflows, appointments and roles so that actual assessment information is being gathered.
- The quality of data has improved. Diagnoses are now more accurate. Counselors enter data from their assessment appointment concurrently into the eBHIN system.”

Chris McCollister, MIS Director
CenterPointe, Inc.

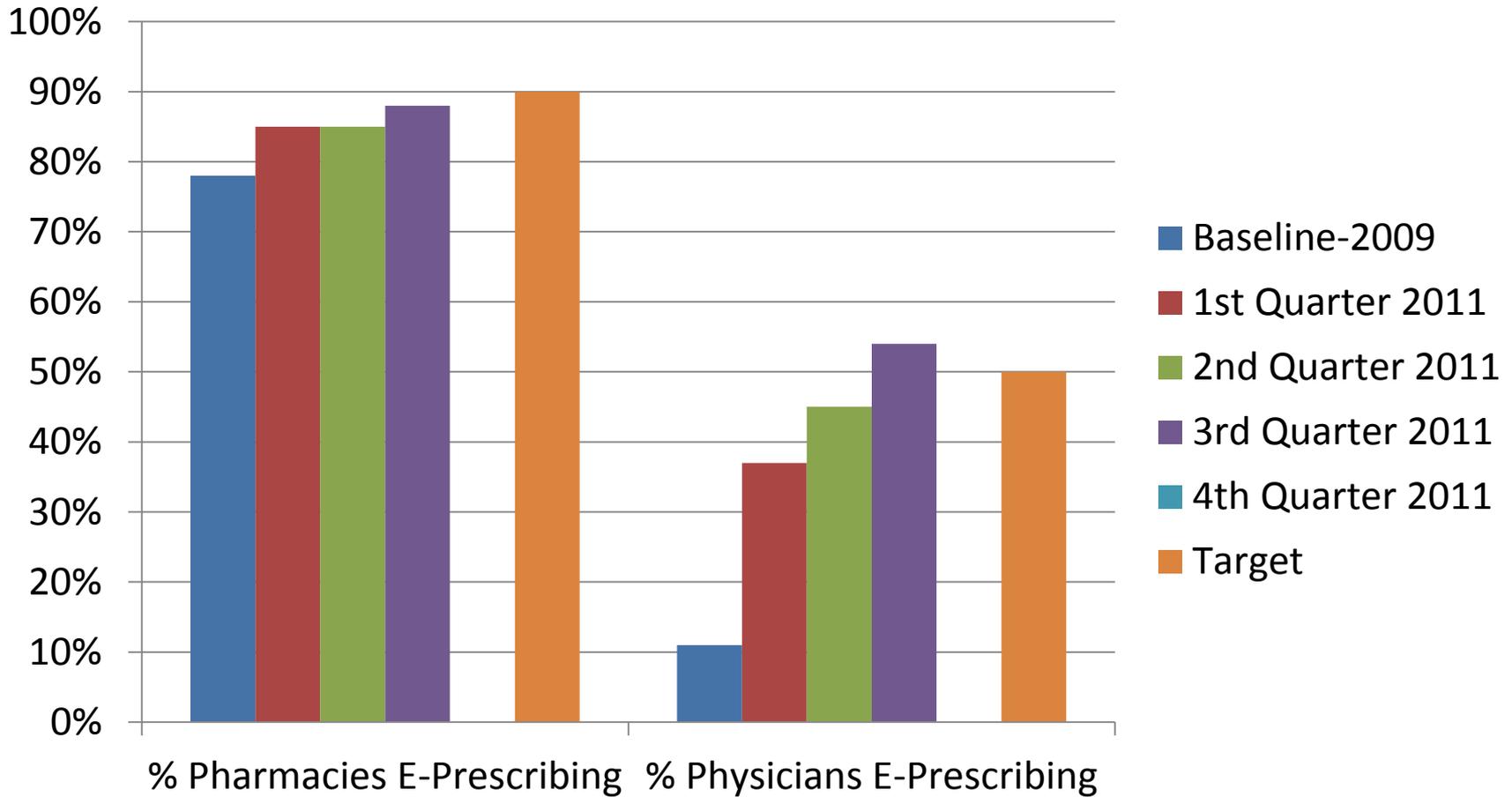
- E-prescribing adoption has been cautious, but is growing.
 - 54% of physicians are e-prescribing (August 2011)
 - Up from 31% in January 2011
 - 2011 goal – 50% of physicians e-prescribing

Nebraska E-Prescribing



- 88% of Nebraska pharmacies are activated for e-prescribing (Aug 2011).
- 15 counties have a pharmacy, but the pharmacy is not activated for e-prescribing.
- 18 counties don't have a pharmacy.
- Very few communities have a prescriber, but not an e-prescribing pharmacy.

E-Prescribing Adoption



E-prescribing Strategy

| Summary of Approved Strategy | Tactics to Implement Strategy (Now until end of 2011) | Target Milestones for December 2011* | Performance Measure/Target Value** |
|--|---|--|--|
| <p>Fostering a better understanding of the e-prescribing process</p> | <ul style="list-style-type: none"> • Study of e-prescribing errors • Survey of pharmacists • Encouraging conversations between pharmacists and prescribers • Including pharmacists in HIE | <ul style="list-style-type: none"> • Increase the % of Nebraska Nebraska community pharmacies activated for e-prescribing from 83% in January 2011 to 90% in Dec. 2011. • Increase the % of physicians e-prescribing to 50% of physicians e-prescribing. | <ul style="list-style-type: none"> • 90% of Nebraska community pharmacies are activated for e-prescribing based on Aug. 2011 Surescripts data. • 54% of Nebraska physicians are e-prescribing based on Dec. 2011 data. |

*The target milestone is the concrete, measurable result or impact you expect to achieve by implementing your strategy, e.g., reduce the share of pharmacies that are not participating in eRX by 50%.

** The performance measure or target value is how you will measure progress toward the target milestone. e.g., demonstrate that 40/80 of the unconnected pharmacies are connected in December using the Surescripts data.

Lab exchange strategy

| Summary of Approved Strategy | Tactics to Implement Strategy (Now until end of 2011) | Target Milestone for December 2011* | Performance Measure/Target Value |
|---|---|--|--|
| <p>To increase laboratory participation in HIE by adding hospital-based laboratories when hospitals join NeHII and by working with independent reference labs to identify a cost-effective method for connection.</p> | <p>To increase independent laboratory participation, NeHII will partner with specific Health Information Service Providers (HISPs) to enable the use of the Direct Project for results delivery. The first such pilot project is targeted for October in North Platte.</p> <p>Hospital-Based Laboratories are added automatically when the hospital becomes a participant in NeHII.</p> | <p>Increase laboratory participation in NeHII to 1 out of six independent reference labs and 21 hospital labs out of 90 hospital labs. This would be 21% of hospital and independent reference labs.</p> | <p>1 out of six independent reference labs and 21 hospital labs out of 90 hospital labs.</p> |

Care summary exchange strategy

| Summary of Approved Strategy | Tactics to Implement Strategy (Now until end of 2011) | Target Milestone for December 2011* | Performance Measure/Target Value |
|--|---|--|---|
| <p>Initial efforts at exchange care summary information will focus on exchanging information from eBHIN and NeHII.</p> | <p>NeHII is planning the upgrade of its existing statewide provider directory to support HISP service offerings using the NHIN Direct secure e-mail messaging to enable the secure exchange of ePHI. The upgrade is dependent on standards being published by ONC. This functionality will allow the exchange of ePHI using a CCD document or simply the ePHI data element requested by one known entity/provider from another known entity/provider.</p> | <p>NeHII is planning on having the Direct pilot project successfully completed with Pathology Services by December 2011. NeHII is hoping to be providing Direct services statewide by end of 2011. NeHII's goal is to exchange ePHI with eBHIN providers through Direct, provided that eBHIN is ready, by end of 2011.</p> | <p>To send a Direct message containing ePHI from an eBHIN provider to a NeHII provider.</p> |

Strategy for one additional high priority area

| Summary of Approved Strategy | Tactics to Implement Strategy (Now until end of 2011) | Target Milestone for December 2011* | Performance Measure/Target Value |
|---|---|---|---|
| <p>Use electronic syndromic surveillance data through direct access and eventually the HIE to drive intervention, education, policy and action to improve the health of Nebraskans.</p> | <p>Implement cardiovascular disease monitoring program pilot.</p> | <p>Cardiovascular disease monitoring program pilot will be completed using direct access.</p> | <p>Implementation of cardiovascular disease monitoring program pilot.</p> |

5. Implementation metrics (appendix)

| | Last month (September 2, 2011) | Last year (September 2010) |
|---|--|---|
| Number of active* participants for query exchange <ul style="list-style-type: none"> Hospitals (Number of hospitals and number of unique users at each) | 17 Alegent Health System –595 Childrens Hospital /Med. Ctr –16 Creighton Univ Med Ctr—9 Mary Lanning Mem Hosp—32 Neb Methodist Health System—43 Nebraska Medical Center—83 | 16 |
| <ul style="list-style-type: none"> Ambulatory providers (Number of unique users)—NeHII Ambulatory providers (Number of unique users)—eBHIN Labs (Number of individual labs) Other | 1,522 175 17 6 pharmacies | 1,088 16 |
| Number of transactions <ul style="list-style-type: none"> Lab results sent to HIE Discharge summaries sent (from hospital to unaffiliated ambulatory care provider) Care summaries sent (from ambulatory care provider to unaffiliated provider/hospital) Number of patient record queries | 17,184,926 265,717 1,078 2,212,677 | 10,202,866 166,730 0 1,155,762 |

5. Implementation metrics (appendix)

| | Last month (August, 2011) | Last year (September 2010-August 2011) |
|--|---------------------------------------|--|
| Public Health Reports <ul style="list-style-type: none">• Lab results sent for disease surveillance• Syndromic surveillance records/patient encounters• Immunization records entered manually• Immunization entered from data exchange | 33,364 18,575 160,025 49,926 | 283,978 222,906 889,980 252,941 |
| | | |
| | | |

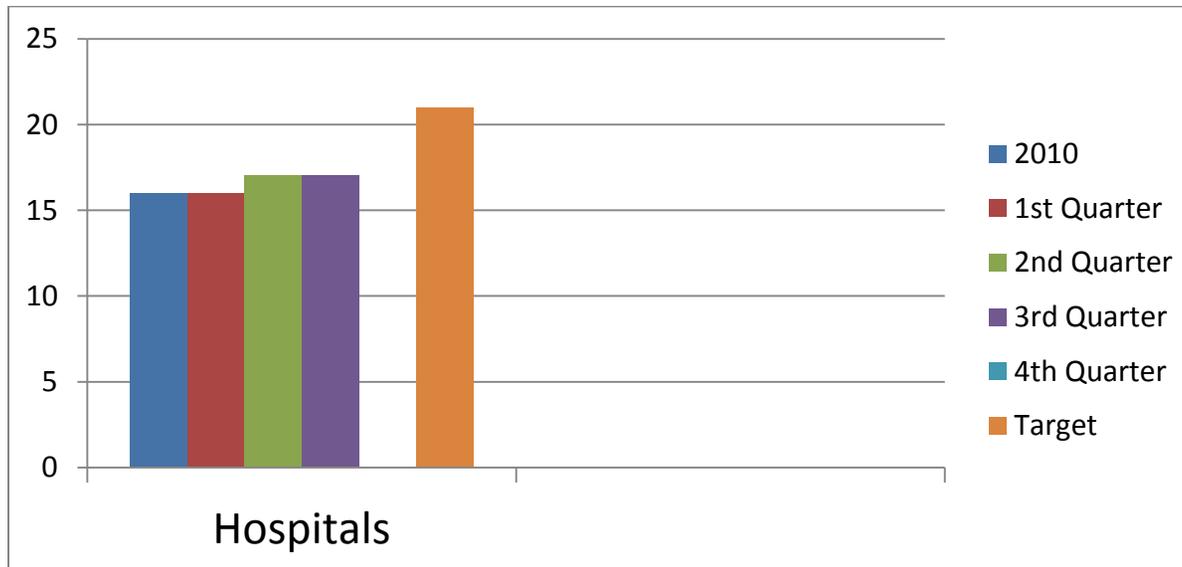
Photo credits

- [http://commons.wikimedia.org/wiki/File:College World Series 2006 - Finals Game 2 opening.jpg](http://commons.wikimedia.org/wiki/File:College_World_Series_2006_-_Finals_Game_2_opening.jpg)
- [http://commons.wikimedia.org/wiki/File:Skyline of the Downtown Omaha, Nebraska from Heartland of America Park.jpg](http://commons.wikimedia.org/wiki/File:Skyline_of_the_Downtown_Omaha,_Nebraska_from_Heartland_of_America_Park.jpg)
- <http://commons.wikimedia.org/wiki/File:091507-USCNeb-MemorialStadium.jpg>
- [http://commons.wikimedia.org/wiki/File:Cows at dawn.jpg](http://commons.wikimedia.org/wiki/File:Cows_at_dawn.jpg)

Nebraska 2011 eHealth Goals and Progress

Oct. 2011

Participating Hospitals—NeHII



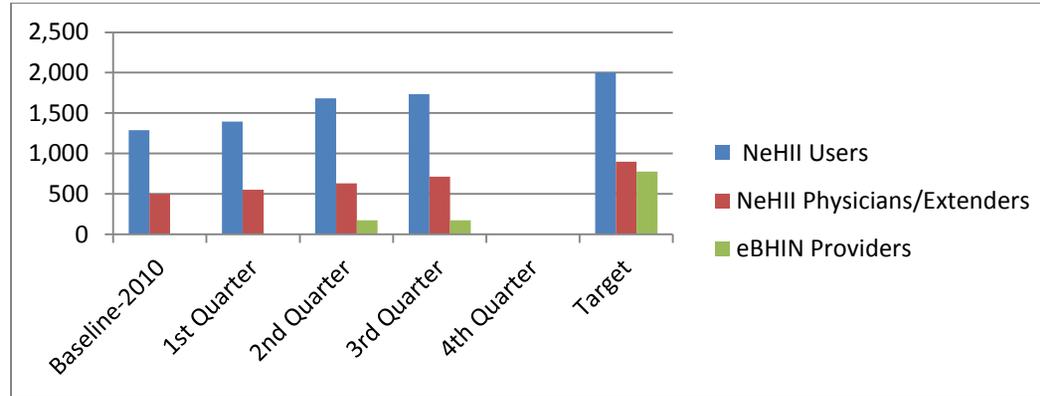
Participating Hospitals

| Baseline—2010 | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter | Target-2011 |
|--|--|--|--|-------------------------|---|
| NeHII 16 hospitals* 13% of Nebraska hospitals 39% of hospital beds | 16 hospitals (13 Nebraska & 3 Iowa) | 17 hospitals (14 Nebraska & 3 Iowa) | 17 hospitals (14 Nebraska & 3 Iowa) *14 Critical Access Hospitals, 2 regional hospitals and 1 research hospital have signed participation agreements in Q3 | | NeHII 21 hospitals 22% of Nebraska hospitals 45% of hospital beds eBHIN 1 hospital |

Participating Hospitals-NeHII

| 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter |
|---|---|---|-------------------------|
| <ul style="list-style-type: none"> • Bellevue Medical Center - Bellevue, NE • Bergan Mercy Hospital - Omaha, NE • Children’s Hospital and Medical Center - Omaha, NE • Great Plains Regional Medical Center - Omaha, NE • Lakeside Hospital - Omaha, NE • Immanuel Hospital - Omaha, NE • Mary Lanning Memorial Hospital - Hastings, NE • Memorial Hospital -Schuyler, NE • Methodist Hospital - Omaha, NE • Methodist Women’s Hospital – Omaha, NE • Midlands Hospital -Papillion, NE • Nebraska Spine Hospital - Omaha, NE • The Nebraska Medical Center - Omaha, NE • Community Memorial Hospital - Missouri Valley, IA • Mercy Hospital - Corning, IA • Mercy Hospital - Council Bluffs, IA | <ul style="list-style-type: none"> • Bellevue Medical Center - Bellevue, NE • Bergan Mercy Hospital - Omaha, NE • Children’s Hospital and Medical Center - Omaha, NE • Creighton University and Medical Center, Omaha, NE • Great Plains Regional Medical Center - Omaha, NE • Lakeside Hospital - Omaha, NE • Immanuel Hospital - Omaha, NE • Mary Lanning Memorial Hospital - Hastings, NE • Memorial Hospital -Schuyler, NE • Methodist Hospital - Omaha, NE • Methodist Women’s Hospital – Omaha, NE • Midlands Hospital -Papillion, NE • Nebraska Spine Hospital - Omaha, NE • The Nebraska Medical Center - Omaha, NE • Community Memorial Hospital - Missouri Valley, IA • Mercy Hospital - Corning, IA • Mercy Hospital - Council Bluffs, IA | <ul style="list-style-type: none"> • Bellevue Medical Center - Bellevue, NE • Bergan Mercy Hospital - Omaha, NE • Children’s Hospital and Medical Center - Omaha, NE • Creighton University and Medical Center, Omaha, NE • Great Plains Regional Medical Center - Omaha, NE • Lakeside Hospital - Omaha, NE • Immanuel Hospital - Omaha, NE • Mary Lanning Memorial Hospital - Hastings, NE • Memorial Hospital -Schuyler, NE • Methodist Hospital - Omaha, NE • Methodist Women’s Hospital – Omaha, NE • Midlands Hospital -Papillion, NE • Nebraska Spine Hospital - Omaha, NE • The Nebraska Medical Center - Omaha, NE • Community Memorial Hospital - Missouri Valley, IA • Mercy Hospital - Corning, IA • Mercy Hospital - Council Bluffs, IA <p style="margin-top: 20px;">*14 Critical Access Hospitals, 2 regional hospitals and 1 research hospital have signed participation agreements in Q3</p> | |

Nebraska HIE Users



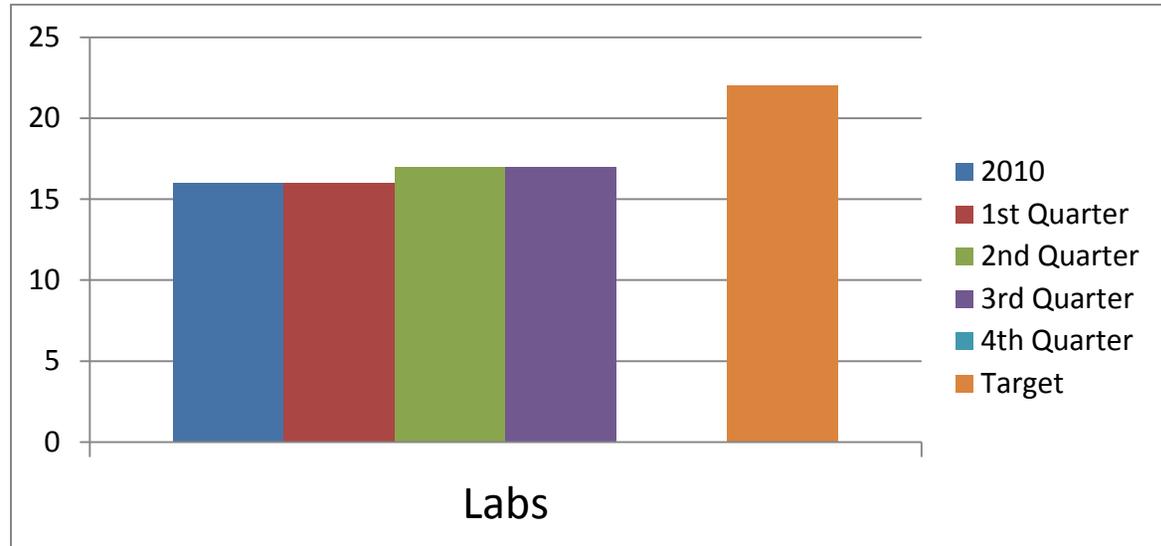
Nebraska HIE Users

| Baseline-2010 | 1 st Quarter 2011 | 2 nd Quarter 2011 | 3 rd Quarter 2011 | 4 th Quarter 2011 | Target 2011 |
|---|---|---|---|------------------------------|---|
| <p>NeHII 1,288 total users, including physicians, mid-levels, nurses, pharmacists, and staff</p> <p>500 Physician and Physician Extenders out of 4,266 in state 12% of physicians and physician extenders</p> | <p>1,396 total users, including physicians, mid-levels, nurses, pharmacists, and staff</p> <p>554 physician and physician extenders</p> | <p>1,683 total users including physicians, mid-levels, nurses, pharmacists and staff</p> <p>633 physician and physician extenders</p> <p>eBHIN – 175 providers</p> <p>4% of behavioral health providers</p> | <p>1,773 total users including physicians, mid-levels, nurses, pharmacists and staff</p> <p>714 physician and physician extenders</p> <p>eBHIN – 175 providers</p> <p>4% of behavioral health providers</p> | | <p>2,000 total users, including physicians, mid-levels, nurses, pharmacists, and staff</p> <p>900 physicians and physician extenders out of 4,266 in state</p> <p>21% of physicians and physician extenders</p> <p>eBHIN 776 providers out of 3,929 behavioral health providers</p> <p>20% of behavioral health providers</p> |

Health Plan Participation—NeHII

| Baseline-2010 | 1st Quarter 2011 | 2nd Quarter 2011 | 3rd Quarter 2011 | 4th Quarter 2011 | Target 2011 |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------|
| 1 health plan (BlueCross BlueShield of Nebraska) currently participates | 1 health plan | 1 | 1 | 1 | 1 |

Participating Laboratories—NeHII



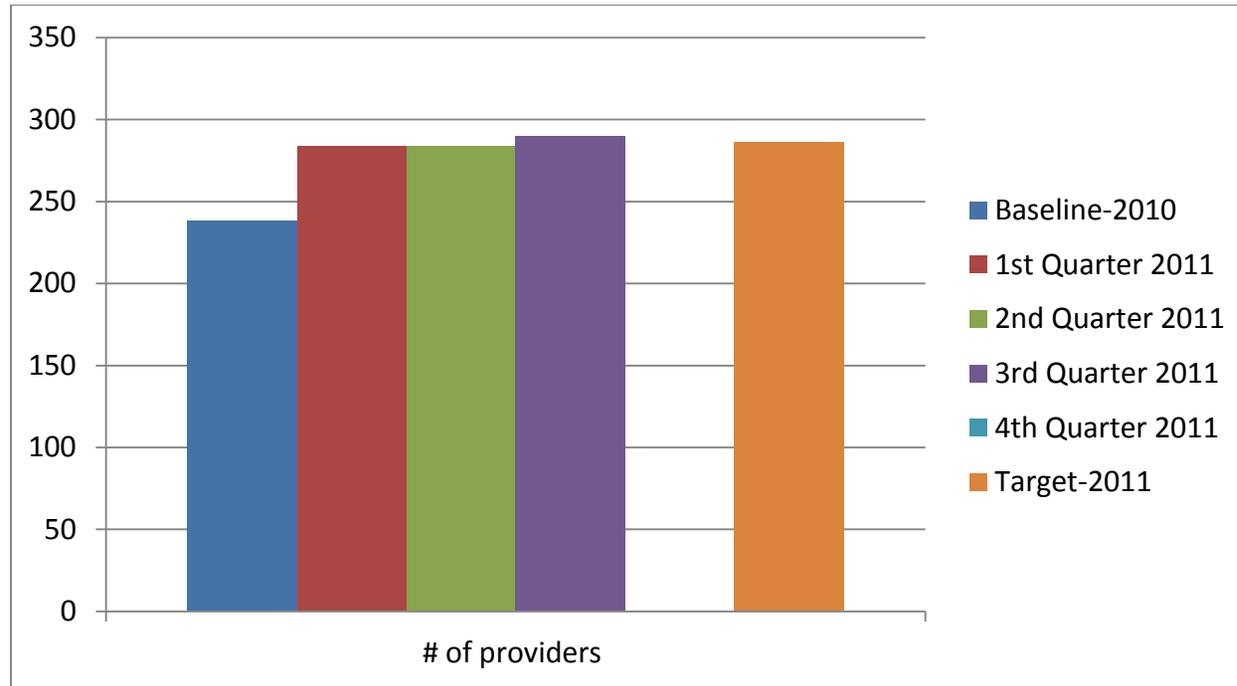
Laboratory Participation--NeHII

| Baseline-2010 | 1 st Quarter 2011 | 2 nd Quarter 2011 | 3 rd Quarter 2011 | 4 th Quarter 2011 | Target 2011 |
|---|---|---|--|------------------------------|--|
| <p>NeHII 0 out of six independent reference labs 10 hospital labs out of 90 hospital labs 10% of 96 hospital and major independent reference labs</p> | <p>16 hospitals (13 Nebraska & 3 Iowa)</p> | <p>17 hospitals (14 Nebraska & 3 Iowa)</p> | <p>17 hospitals (14 Nebraska & 3 Iowa) *14 Critical Access Hospitals, 2 regional hospitals and 1 research hospital have signed participation agreements in Q3</p> | | <p>NeHII 1 out of six independent reference labs 21 hospital labs out of 90 hospital labs 21% of hospital and independent reference labs</p> <p>eBHIN N/A. eBHIN will most likely go through NeHII for laboratory information.</p> |

Participating Laboratories--NeHII

| 1 st Quarter 2011 | 2 nd Quarter 2011 | 3 rd Quarter 2011 | 4 th Quarter 2011 |
|--|---|---|------------------------------|
| <ul style="list-style-type: none"> • Bellevue Medical Center - Bellevue, NE • Bergan Mercy Hospital - Omaha, NE • Children’s Hospital and Medical Center - Omaha, NE • Great Plains Regional Medical Center - Omaha, NE • Lakeside Hospital - Omaha, NE • Immanuel Hospital - Omaha, NE • Mary Lanning Memorial Hospital - Hastings, NE • Memorial Hospital -Schuyler, NE • Methodist Hospital - Omaha, NE • Methodist Women’s Hospital – Omaha, NE • Midlands Hospital -Papillion, NE • Nebraska Spine Hospital - Omaha, NE • The Nebraska Medical Center - Omaha, NE • Community Memorial Hospital - Missouri Valley, IA • Mercy Hospital, Corning, IA • Mercy Hospital – Council Bluffs, IA | <ul style="list-style-type: none"> • Bellevue Medical Center - Bellevue, NE • Bergan Mercy Hospital - Omaha, NE • Children’s Hospital and Medical Center - Omaha, NE • Creighton University and Medical Center, Omaha, NE • Great Plains Regional Medical Center - Omaha, NE • Lakeside Hospital - Omaha, NE • Immanuel Hospital - Omaha, NE • Mary Lanning Memorial Hospital - Hastings, NE • Memorial Hospital -Schuyler, NE • Methodist Hospital - Omaha, NE • Methodist Women’s Hospital – Omaha, NE • Midlands Hospital -Papillion, NE • Nebraska Spine Hospital - Omaha, NE • The Nebraska Medical Center - Omaha, NE • Community Memorial Hospital - Missouri Valley, IA • Mercy Hospital - Corning, IA • Mercy Hospital - Council Bluffs, IA | <ul style="list-style-type: none"> • Bellevue Medical Center - Bellevue, NE • Bergan Mercy Hospital - Omaha, NE • Children’s Hospital and Medical Center - Omaha, NE • Creighton University and Medical Center, Omaha, NE • Great Plains Regional Medical Center - Omaha, NE • Lakeside Hospital - Omaha, NE • Immanuel Hospital - Omaha, NE • Mary Lanning Memorial Hospital - Hastings, NE • Memorial Hospital -Schuyler, NE • Methodist Hospital - Omaha, NE • Methodist Women’s Hospital – Omaha, NE • Midlands Hospital -Papillion, NE • Nebraska Spine Hospital - Omaha, NE • The Nebraska Medical Center - Omaha, NE • Community Memorial Hospital - Missouri Valley, IA • Mercy Hospital - Corning, IA • Mercy Hospital - Council Bluffs, IA <p data-bbox="1060 1117 1449 1198">*14 Critical Access Hospitals, 2 regional hospitals and 1 research hospital have signed participation agreements in Q3</p> | |

Providers Submitting to Immunization Registry

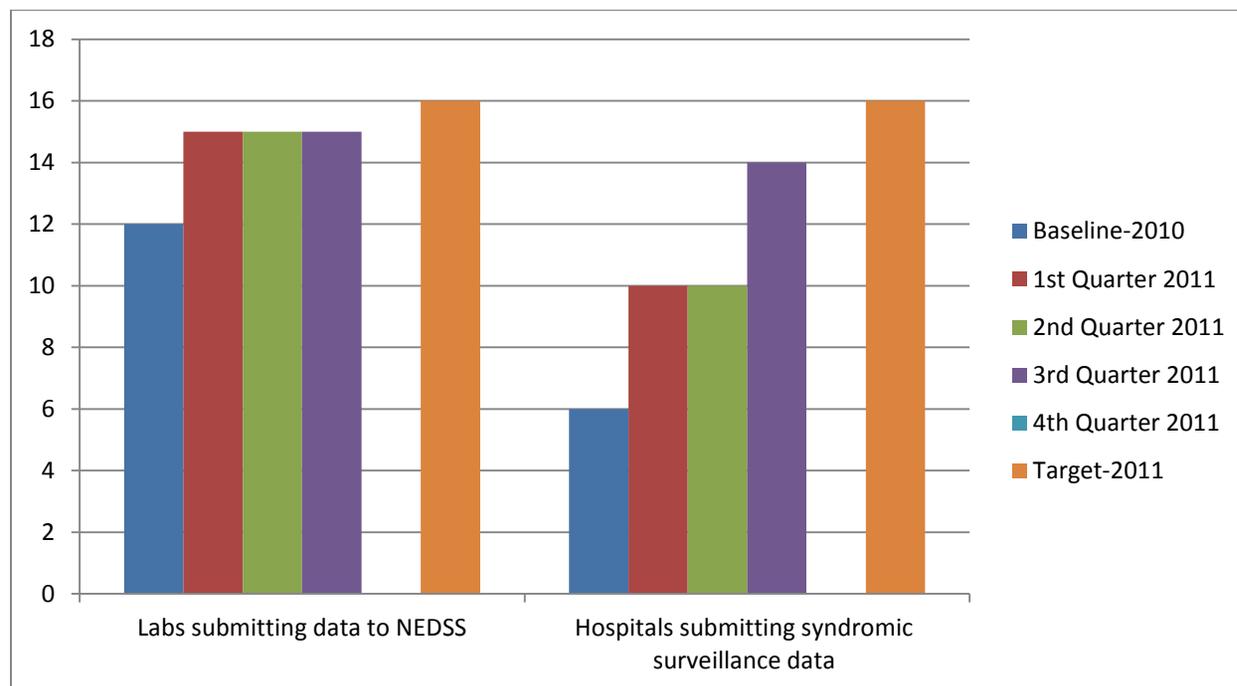


Providers Submitting to Immunization Registry

| Baseline—2010 | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter | Target—End of 2011 |
|---------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| 238 | 284 | 284* | 290* | | An increase of 20% to 286 |

***Note:** 31 of these providers are sending immunization data electronically at this time. We are in the process of testing 8 more facilities and 4 vendors.

Public Health Reporting



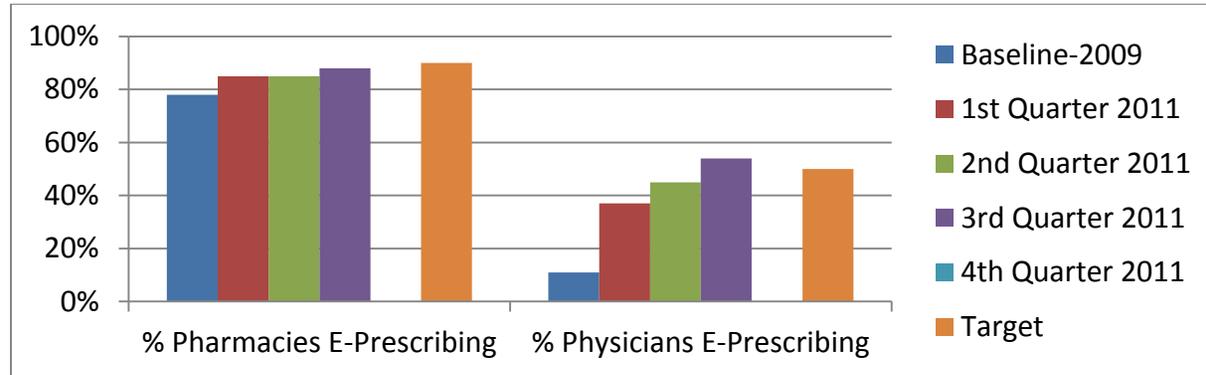
Public Health Reporting

| Public Health Reporting | Baseline—2010 | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter | Target—End of 2011 |
|---|---------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| # of labs submitting data to NEDSS | 12 | 15 | 15 | 15 | | An increase of 30% to 16 |
| # of hospitals submitting data to the syndromic surveillance system | 6 | 10 | 10 | 14 | | 16 |

Public Health Reporting

| Public Health Connections | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter |
|--|---|---|---|-------------------------|
| Labs submitting to NEDSS— Please list and include city | UNMC - Omaha Bryan LGH - Lincoln Columbus Community Hospital Faith Regional Medical Center - Norfolk Great Plains Regional-North Platte Regional West-Scottsbluff Children’s Hospital-Omaha ARUP-serves multiple cities in NE Cerner-serves multiple cities in NE Kearney Good Samaritan- Kearney Creighton Medical-Omaha PLab-Lincoln Quest-serves multiple cities in NE Catholic Health-Grand Island Alegent-Lincoln | UNMC - Omaha Bryan LGH - Lincoln Columbus Community Hospital Faith Regional Medical Center - Norfolk Great Plains Regional-North Platte Regional West-Scottsbluff Children’s Hospital-Omaha ARUP-serves multiple cities in NE Cerner-serves multiple cities in NE Kearney Good Samaritan- Kearney Creighton Medical-Omaha PLab-Lincoln Quest-serves multiple cities in NE Catholic Health-Grand Island Alegent-Lincoln | UNMC - Omaha Bryan LGH - Lincoln Columbus Community Hospital Faith Regional Medical Center - Norfolk Great Plains Regional-North Platte Regional West-Scottsbluff Children’s Hospital-Omaha ARUP-serves multiple cities in NE Cerner-serves multiple cities in NE Kearney Good Samaritan- Kearney Creighton Medical-Omaha PLab-Lincoln Quest-serves multiple cities in NE Catholic Health-Grand Island Alegent-Lincoln | |
| Hospitals submitting syndromic surveillance data—Please list and include city | York General Hospital Children’s Hospital-Omaha Great Plains Reg Med Center- North Platte Fremont Area Medical Center Beatrice Comm. Hospital The NE Medical Center-Omaha Nebraska Methodist Hosp – Omaha Mary Lanning Hospital-Hastings Falls City Comm. Medical Center Box Butte General Hospital | York General Hospital Children’s Hospital-Omaha Great Plains Reg Med Center- North Platte Fremont Area Medical Center Beatrice Comm. Hospital The NE Medical Center-Omaha Nebraska Methodist Hosp – Omaha Mary Lanning Hospital-Hastings Falls City Comm. Medical Center Box Butte General Hospital | Children’s Hospital-Omaha Great Plains Reg Med Center- North Platte Fremont Area Medical Center Beatrice Comm. Hospital The NE Medical Center-Omaha Nebraska Methodist Hosp – Omaha Mary Lanning Hospital-Hastings Falls City Comm. Medical Center Box Butte General Hospital McCook Community Hospital Providence Medical Center (Wayne) | |

E-Prescribing Adoption



E-Prescribing Adoption

| Baseline-- End of 2009 | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter | Target—End of 2011 |
|---|--|--|---|-------------------------|--|
| 78% of community pharmacies activated for e-prescribing | 85% of pharmacies are activated for e-prescribing (March 2011) Note: Two pharmacies joined NeHII | 85% of pharmacies are activated for e-prescribing (May 2011) Note: Four more pharmacies joined NeHII, bring the total to six | 88% of pharmacies are activated for e-prescribing (August 2011) | | 90% of community pharmacies activated for e-prescribing |
| 11% of physicians in Nebraska routed prescriptions electronically | 37% (1197 out of 3202) of physicians in Nebraska are routing prescriptions electronically (March 2011) | 45% (1436 out of 3202) of physicians in Nebraska are routing prescriptions electronically (May 2011) | 54% (2342 out of 3202) of physicians in Nebraska are routing prescriptions electronically (August 2011) | | 50% of physicians in Nebraska routing prescriptions electronically |

Nebraska Information Technology Commission

--State Government Council Charter--

DRAFT REVISED

1. Introduction

The Nebraska Information Resources Cabinet ("IRC") was created in January 1996 by Executive Order 96-1. The IRC was re-established as the Government Council of the Nebraska Information Technology Commission (hereafter referred to as "Commission") through Executive Order 97-7 in November 1997. The Commission became a statutory body in Laws 1998, LB 924, and the Commission re-established the State Government Council (hereafter referred to as "Council").

2. Purpose

The purpose of this Charter is to clarify the role of the Council and its relationship with the Commission.

3. Authority

The Nebraska Information Technology Commission shall: "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[.]" Neb. Rev. Stat. § 86-516(7).

"Information technology means computing and telecommunications systems, their supporting infrastructure, and interconnectivity used to acquire, transport, process, analyze, store, and disseminate information electronically." Neb. Rev. Stat. § 86-507

4. Commission Mission and Responsibilities

4.1 Commission Mission

~~The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's information technology infrastructure more accessible and responsive to the needs of its citizens, regardless of location, while making investments in government, education, health care and other services more efficient and cost effective. The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's investment in information technology infrastructure more accessible and responsive to the needs of its citizens regardless of location while making government, education, health care and other services more efficient and cost effective.~~

4.2 Commission Responsibilities (~~Neb. Rev. Stat. § 86-516~~)

~~4.2.1 Annually by July 1, adopt policies and procedures used to develop, review, and annually update a statewide technology plan;~~

~~4.2.2 Create an information technology clearinghouse to identify and share best practices and new developments, as well as identify existing problems and deficiencies;~~

~~4.2.3 Review and adopt policies to provide incentives for investments in information technology infrastructure services;~~

~~4.2.4 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;~~

~~4.2.5 Adopt guidelines regarding project planning and management, information sharing, and administrative and technical review procedures involving state-owned or state-supported technology and infrastructure. Governmental entities, state agencies, and political subdivisions shall submit projects which directly utilize state-appropriated funds for information technology purposes to the process established by sections 86-512 to 86-524. Governmental entities and political subdivisions may submit other projects involving information technology to the commission for comment, review, and recommendations;~~

~~4.2.6 Adopt minimum technical standards, guidelines, and architectures upon recommendation by the technical panel;~~

~~4.2.7 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, and state agencies;~~

~~4.2.8 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, for which new or additional funding is requested;~~

~~4.2.9 Approve grants from the Community Technology Fund and Government Technology Collaboration Fund;~~

~~4.2.10 Adopt schedules and procedures for reporting needs, priorities, and recommended projects; and~~

~~4.2.11 Assist the Chief Information Officer in developing and maintaining Network Nebraska pursuant to section 86-5,100.~~

The responsibilities and duties of the Commission are codified at Neb. Rev. Stat. § 86-516.

5. Council Mission and Responsibilities

5.1 Council Mission

To provide direction and oversight for state government information technology vision, goals and policy.

5.2 Council Responsibilities

5.2.1 Establish, coordinate, and prioritize technology needs for state agencies;

5.2.2 Review and make recommendations to the Commission on requests for funds from the Government Technology Collaboration Fund;

5.2.3 Review and make recommendations to the Commission on agency technology projects requesting ~~new or additional~~ funding as part of the state budget process;

5.2.4 Assist the Commission in developing, reviewing and updating the statewide technology plan;

5.2.5 Recommend planning and project management procedures for state information technology investments;

5.2.6 Evaluate and act upon opportunities to more efficiently and effectively deliver government services through the use of information technology;

5.2.7 Recommend policies, guidelines, and standards for information technology within state government; and

5.2.8 Such other responsibilities as directed by the Commission.

6. Membership

6.1 Number of Members

The Council shall have 25 Members.

6.2 Representation

6.2.1 The agency director or his or her designee from the following agencies:

6.2.1.1 Administrative Services, Department of

6.2.1.2 Banking and Finance, Department of

6.2.1.3 Correctional Services, Department of

6.2.1.4 Crime Commission

6.2.1.5 Environmental Quality, Department of

6.2.1.6 Governor's Policy Research Office

6.2.1.7 Health and Human Services, Department of ~~Finance and Support~~

6.2.1.8 Labor, Department of

6.2.1.9 Motor Vehicles, Department of

6.2.1.10 Natural Resources, Department of

6.2.1.11 Revenue, Department of

6.2.1.12 Roads, Department of

6.2.1.13 State Patrol, Nebraska

6.2.2 Other Members

6.2.2.1 Chief Information Officer

6.2.2.2 Office of the CIO - IT Administrator, Enterprise Computing Services

6.2.2.3 Office of the CIO - IT Administrator, Network Services

6.2.2.4 Education, Department of - Administrator for Education Support Services

6.2.2.5 Secretary of State

6.2.2.6 State Budget Administrator

6.2.2.7 State Court Administrator

6.2.2.8 Workers' Compensation Court Administrator

6.2.2.9 One additional representative of Non-Code state agencies, to be appointed by the Commission

6.2.2.10 Two (2) representatives from the general public with extensive IT experience, to be appointed by the Commission

6.2.3 Other Members - Nonvoting

6.2.3.1 Legislative Fiscal Office, Director

6.3 Alternates

Each member of the Council may designate one (1) official voting alternate. This official voting alternate shall be registered with the Office of the Chief Information Officer and, in the absence of the official member, have all the privileges as the official member on items of discussion and voting.

6.4 Member Responsibilities; Conflicts of Interest

A Member with a potential conflict of interest in a matter before the Council or a potential interest in a contract with the Council is subject to the provisions of the Nebraska Political Accountability and Disclosure Act including sections 49-1499.02 and 49-14,102. A Member with a potential conflict of interest or a potential interest in a contract shall contact the Nebraska Accountability and Disclosure Commission and take such action as required by law.

7. Meeting Procedures

7.1 Chair

The Chief Information Officer shall serve as the Chair of the Council.

7.2 Quorum

A quorum consists of at least 50% of the voting membership.

7.3 Voting

Issues shall be decided by a majority vote of the voting members present.

7.4 Non-Member Agencies

Attendance and input by non-member state government agencies is encouraged. The director of a non-member agency may submit to the Council the name of a contact person within his or her agency to receive notification of Council meetings.

7.5 Meeting Frequency

The Council shall meet not less than four times per year.

7.6 Notice of Meetings

~~7.6.1~~ Notice of the time and place of each meeting of the Council shall be made at least seven (7) calendar days prior to the meeting. Notice shall be published on the Council's website at <http://www.nitc.state.ne.us/ne.gov/>.

~~7.6.2~~ The notice shall contain an agenda of subjects known at the time of the publicized notice or a statement that the agenda shall be readily available for public inspection at the Office of the Chief Information Officer, 501 S. 14th Street, 4th Floor, Lincoln, NE, during normal business hours by appointment.

7.7 Subcommittees

7.7.1 Subcommittees will be designated by vote of the Council to address specific topics.

7.7.2 Pursuant to provisions of Neb. Rev. Stat. § 84-1409(1), subcommittees of the Council shall not be required to provide notice of meetings.

Approved by the Nebraska Information Technology Commission on June 29, 1999.
Amendments approved by the NITC on June 13, 2001; September 16, 2002; February 22, 2007, and June 27, 2007.

IT Project Proposal Report - Detail
Agency: 085 - PUBLIC EMPLOYEES RETIREMENT SYSTEM
Budget Cycle: 2012 Deficit **Version: AF - AGENCY FINAL REQUEST**

IT Project : Transfer NPERS Infrastructure to OCIO

General Section

| | | |
|---|--|--------------------------|
| Contact Name : Fred Turner | E-mail : Fred.Turner@Nebraska.Gov | Agency Priority : |
| Address : 1221 N. Street, Suite 325 P.O. Box | Telephone : 402 471 7076 | NITC Priority : |
| City : Lincoln | | NITC Score : |
| State : Nebraska | Zip : 68509- | |

Expenditures

| IT Project Costs | Total | Prior Exp | FY10 Appr/Reappr | FY12 Request | FY13 Request | Future Add |
|--------------------------------------|----------|-----------|------------------|--------------|--------------|------------|
| Contractual Services | | | | | | |
| Design | 0 | 0 | 0 | 0 | 0 | 0 |
| Programming | 0 | 0 | 0 | 0 | 0 | 0 |
| Project Management | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Conversion | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Contractual Services | 0 | 0 | 0 | 0 | 0 | 0 |
| Telecommunications | | | | | | |
| Data | 0 | 0 | 0 | 0 | 0 | 0 |
| Video | 0 | 0 | 0 | 0 | 0 | 0 |
| Voice | 0 | 0 | 0 | 0 | 0 | 0 |
| Wireless | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Telecommunications | 0 | 0 | 0 | 0 | 0 | 0 |
| Training | | | | | | |
| Technical Staff | 0 | 0 | 0 | 0 | 0 | 0 |
| End-user Staff | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Training | 0 | 0 | 0 | 0 | 0 | 0 |

IT Project Proposal Report - Detail
Agency: 085 - PUBLIC EMPLOYEES RETIREMENT SYSTEM
 Budget Cycle: 2012 Deficit Version: AF - AGENCY FINAL REQUEST

Expenditures

| IT Project Costs | Total | Prior Exp | FY10 Appr/Reappr | FY12 Request | FY13 Request | Future Add |
|---------------------------------------|--------------|------------------|-------------------------|---------------------|---------------------|-------------------|
| Other Operating Costs | | | | | | |
| Personnel Cost | 0 | 0 | 0 | 0 | 0 | 0 |
| Supplies & Materials | 0 | 0 | 0 | 0 | 0 | 0 |
| Travel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other Operating Costs | 0 | 0 | 0 | 0 | 0 | 0 |
| Capital Expenditures | | | | | | |
| Hardware | 0 | 0 | 0 | 0 | 0 | 0 |
| Software | 0 | 0 | 0 | 0 | 0 | 0 |
| Network | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Capital Expenditures | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL PROJECT COST | 0 | 0 | 0 | 0 | 0 | 0 |

Funding

| Fund Type | Total | Prior Exp | FY10 Appr/Reappr | FY12 Request | FY13 Request | Future Add |
|----------------------|--------------|------------------|-------------------------|---------------------|---------------------|-------------------|
| General Fund | 0 | 0 | 0 | 0 | 0 | 0 |
| Cash Fund | 0 | 0 | 0 | 0 | 0 | 0 |
| Federal Fund | 0 | 0 | 0 | 0 | 0 | 0 |
| Revolving Fund | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Fund | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL FUNDING | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIANCE | 0 | 0 | 0 | 0 | 0 | 0 |

IT Project Proposal Report - Detail
Agency: 085 - PUBLIC EMPLOYEES RETIREMENT SYSTEM
Budget Cycle: 2012 Deficit **Version: AF - AGENCY FINAL REQUEST**

IT Project: Transfer NPERS Infrastructure to OCIO

EXECUTIVE SUMMARY:

The transfer of the Nebraska Public Employees Retirement Systems (NPERS) infrastructure to the Office of the OCIO is driven by economies and efficiencies gained in moving to a virtual environment, increased capability for disaster recovery and relocating NPERS offices from Great Western to the Assurity Building (formerly Woodmen building) in the fall 2012 or spring 2013.

GOALS, OBJECTIVES, AND OUTCOMES (15 PTS):

Project description : Existing servers will be virtualized and traditional equipment replacement costs, maintenance and upgrade costs, will be eliminated. Existing cooling, monitoring and fire suppression equipment costs will also be eliminated. Relocation and virtualization of this equipment at the OCIO will allow NPERS IT Infrastructure and Support personnel to focus on software management and reduce their time focused on hardware management. Relocate the existing NPERS infrastructure to the OCIO. NPERS has no option to build a new server room in their targeted new location, the Assurity Building, now owned by the State.

This move will eliminate an existing server room at NPERS along with costs associated with cooling, fire suppression, servers and equipment. The move will require that all NPERS backup tapes be converted to a backup format used by the OCIO.

PROJECT JUSTIFICATION / BUSINESS CASE (25 PTS):

4. Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers). The project will accommodate the physical move of the Retirement Agency from its current location to the Assurity/Woodmen building. Analyzing a cost comparison between NPERS vs. OCIO hosting, an approximate \$4000 savings in operating costs is projected by the 2018-2019 budget period.

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

Moving NPERS from Great Western to the Assurity/Woodmen Building requires a change in the location of our infrastructure. Doing nothing is not an option. Additionally, NPERS will not be permitted to create a server room in the Woodmen building thus relocating the infrastructure to the OCIO makes good business sense for now and any future moves the agency might face..

IT Project Proposal Report - Detail
Agency: 085 - PUBLIC EMPLOYEES RETIREMENT SYSTEM
Budget Cycle: 2012 Deficit **Version: AF - AGENCY FINAL REQUEST**

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

NPERS is working with the State Building Division to move the agency from the Great Western Building to the Assurity/Woodmen building.

TECHNICAL IMPACT (20 PTS):

Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution.

This project moves NPERS infrastructure from its existing location at 1221 N Street, Suite 325, to the OCIO 501 building first floor server room. Additionally, this will involve the virtualization of 20 NPERS servers, 3 of which will be retired due to OCIO hosting services going forward. Tape media backup will be eliminated and backup data will be converted to a format compatible with OCIO data backup requirements. Communication between the OCIO and the NPERS agency located in the Assurity Building will occur across the State's backbone. Disaster recovery communication will occur through an internet connection between the OCIO and a disaster recovery offsite location.

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

- Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.

This hardware migration and conversion will provide NPERS a reliable, secure and scalable platform that will replace and improve the existing infrastructure as well as provide the required flexibility should additional agency physical moves take place.

- Address conformity with applicable NITC technical standards and guidelines (available at <http://nitc.ne.gov/standards/>) and generally accepted industry standards.

The existing NPERS infrastructure was built in conformity with NITC technical standards and guidelines and the transition of this environment to the OCIO will conform to those standards and guidelines.

- Address the compatibility with existing institutional and/or statewide infrastructure.

This migration, working in conjunction with the OCIO, will meet existing institutional and statewide infrastructure guidelines.

PRELIMINARY PLAN FOR IMPLEMENTATION (10 PTS):

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

IT Project Proposal Report - Detail

Agency: 085 - PUBLIC EMPLOYEES RETIREMENT SYSTEM

Budget Cycle: 2012 Deficit Version: AF - AGENCY FINAL REQUEST

The project is segmented by physical-to-virtual migration, backup migration and file store migration. Planning for all three phases begins by mid September 2011 and continues until January 2012. Testing commences in February 2012 with OCIO hosting officially beginning in March of 2012. A migration schedule begins in April 2012 for the physical-to-virtual migration, backup and tape conversion as well as file store migration. Cutover to the OCIO is to be completed by mid July, 2012.

The project team is headed by Chad Schlotfeld, IT Infrastructure and Support Lead and is supported by Dean Gress, IT Infrastructure and Support Analyst. Both are NPERS IT resources. OCIO resources will also participate in the project as required.

10. List the major milestones and/or deliverables and provide a timeline for completing each.
See attached.
11. Describe the training and staff development requirements.
None at this time.
12. Describe the ongoing support requirements.
NPERS Infrastructure and Support personnel will continue to be responsible for NPERS software and the identification and resolution of any known hardware/connection issues with NPERS infrastructure hosted by the OCIO.

Attachments:

MigrationTimeline Milestones.xlsx

RISK ASSESSMENT (10 PTS):

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

| Risk | Risk Level | Risk Plan |
|---|------------|---|
| Delay in obtaining hardware/software resources from the OCIO Assurity Building availability delayed as promised. | H L | Possibly delay agency physical move Project can be implemented as planned with connection from OCIO to Great Western building. |
| Unforeseen connections issues | M | Call upon OCIO infrastructure resources (and Saber resources) as needed |

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

NPERS is working closely with the OCIO well in advance of our target date communicating our needs clearly through meetings (as required) and emails.

IT Project Proposal Report - Detail
Agency: 085 - PUBLIC EMPLOYEES RETIREMENT SYSTEM
Budget Cycle: 2012 Deficit **Version: AF - AGENCY FINAL REQUEST**

NPERS is meeting regularly with State Building Division personnel coordinating space requirements and availability date of the new facility (Assurity Building).

FINANCIAL ANALYSIS AND BUDGET (20 PTS):

15. Financial Information

See "Server Hosting Comparison Spreadsheet" below for OCIO hosting costs projected to FY 2018-2019. Additionally, see Deficit Spending Request Summary noting that item number 1, Migration of NPERS Servers, contains the OCIO hosting costs for FY 2012-2013.

Attachments:

ServerHostingComparison (2).xlsx

Deficit Spending Request Summary Budget Request.docx

2011-12 Major Migration Schedule

| | <u>Physical-to-Virtual Migration</u> | <u>Backup Migration</u> | <u>File Store Migration</u> |
|--------|--------------------------------------|-------------------------|-----------------------------|
| Jun-11 | | | |
| Jul-11 | | | |
| Aug-11 | | | |
| Sep-11 | Planning | Planning | Planning |
| Oct-11 | Planning | Planning | Planning |
| Nov-11 | Planning | Planning | Planning |
| Dec-11 | Planning | Planning | Planning |
| Jan-12 | Planning | Testing | Planning |
| Feb-12 | Testing | Testing | Planning |
| Mar-12 | Testing | OCIO Protection Begins | Planning |
| Apr-12 | Utility Server Migration | NPERS Backup Offline | Planning |
| May-12 | ST/Dev Migration | Tape Conversion | Testing |
| Jun-12 | UAT Migration | Tape Conversion | Testing |
| Jul-12 | PRD Migration | Tape Conversion | NAS Cutover |
| Aug-12 | | | |
| Sep-12 | | | |

NPERS Hosting Cost Comparison

| Item | 2012-2013 | | 2013-2014 | | 2014-2015 | | 2015-2016 | | 2016-2017 | | 2017-2018 | | 2018-2019 | |
|----------------------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | NPERS Hosted | OCIO Hosted | NPERS Hosted | OCIO Hosted | NPERS Hosted | OCIO Hosted | NPERS Hosted | OCIO Hosted | NPERS Hosted | OCIO Hosted | NPERS Hosted | OCIO Hosted | NPERS Hosted | OCIO Hosted |
| Cooling ¹ | \$1,280 | \$0 | \$1,325 | \$0 | \$1,370 | \$0 | \$1,415 | \$0 | \$1,465 | \$0 | \$1,515 | \$0 | \$1,565 | \$0 |
| Fire Suppression ² | \$130 | \$0 | \$135 | \$0 | \$140 | \$0 | \$145 | \$0 | \$150 | \$0 | \$155 | \$0 | \$160 | \$0 |
| Servers & Equipment ³ | \$35,765 | \$0 | \$36,975 | \$0 | \$200,370 | \$0 | \$0 | \$0 | \$0 | \$0 | \$42,230 | \$0 | \$43,660 | \$0 |
| Virtual Servers ⁴ | \$0 | \$28,450 | \$0 | \$29,525 | \$0 | \$30,654 | \$0 | \$31,810 | \$0 | \$33,020 | \$0 | \$34,275 | \$0 | \$35,580 |
| SAN Storage ⁵ | \$0 | \$4,100 | \$0 | \$4,665 | \$0 | \$5,085 | \$0 | \$5,305 | \$0 | \$6,035 | \$0 | \$6,865 | \$0 | \$7,805 |
| NAS Storage ⁶ | \$0 | \$1,025 | \$0 | \$1,165 | \$0 | \$1,325 | \$0 | \$1,510 | \$0 | \$1,715 | \$0 | \$1,950 | \$0 | \$2,220 |
| Backups ⁷ | \$4,810 | \$18,630 | \$4,915 | \$18,630 | \$5,020 | \$18,630 | \$5,125 | \$18,630 | \$5,235 | \$18,630 | \$5,345 | \$18,630 | \$5,460 | \$18,630 |
| Antivirus ⁸ | \$1,770 | \$1,440 | \$1,830 | \$1,490 | \$1,895 | \$1,540 | \$1,960 | \$1,590 | \$2,025 | \$1,645 | \$2,095 | \$1,700 | \$2,165 | \$1,755 |
| Totals: | \$43,755 | \$53,645 | \$45,180 | \$55,475 | \$208,795 | \$57,234 | \$8,645 | \$58,845 | \$8,875 | \$61,045 | \$51,340 | \$63,420 | \$53,010 | \$65,990 |
| Total NPERS Hosted: | \$419,600 | | | | | | | | | | | | | |
| Total OCIO Hosted: | \$415,654 | | | | | | | | | | | | | |

¹NPERS cooling costs at Great Western include routine maintenance charges. The OCIO cooling cost is included in the rack space and virtual machine charge.

²NPERS fire suppression costs at Great Western include ongoing system maintenance and monitoring fees. The OCIO fire suppression cost is included in the rack space and virtual machine charge.

³NPERS servers/data center costs at Great Western for 2012-2014 include the maintenance renewals of all of the equipment. In 2014-2015 all of the equipment will need to be retired and replaced. In 2017-2019 the new equipment will have maintenance renewals each year. The OCIO servers/data center equipment costs are \$0, because all NPERS software and data will reside on OCIO-owned equipment.

⁴NPERS virtual server costs at Great Western are \$0, because all of NPERS servers are existing physical servers. OCIO virtual server costs will include the virtualization of 20 of the existing NPERS servers. 3 of the existing NPERS servers will be retired at this point, because they host services that will be provided by OCIO going forward.

⁵NPERS SAN storage costs at Great Western are \$0, because all of NPERS' data is stored on existing physical servers and attached storage. OCIO SAN storage costs include the storage of all major NPERS SQL databases, as well as all imaging data, on the OCIO SAN. The current size of this data as of 4/2011 is approximately 1100GB. The future SAN costs take into account the 25% average annual growth rate of the NPERS SAN data and the 9% average annual cost decline of magnetic storage as reported by the US Bureau of Labor Statistics.

⁶NPERS NAS storage costs at Great West are \$0, because all of NPERS' data is stored on existing physical servers and attached storage. OCIO NAS storage costs include the storage of the file server data and the software distribution data. The current size of this data as of 4/2011 is approximately 550Gb. The future NAS costs take into account the 25% average annual growth rate of the NPERS NAS data and the 9% average annual cost decline of magnetic storage as reported by the US Bureau of Labor Statistics.

⁷NPERS backup costs at Great Western include tape media and renewal of Symantec Backup Exec. The backup hardware costs are included in the servers price line. The OCIO backups cost includes backup of all of NPERS data. The current size of the NPERS data is 2250GB and an average growth rate of 25% annually is estimated. Also accounted for is the 20% annual decline in tape media costs per Gb.

⁸NPERS antivirus costs at Great Western include renewal of Symantec Endpoint Protection. The antivirus software is installed on an existing multipurpose server that is included in the servers price line. The OCIO antivirus cost includes the OCIO managed antivirus solution.

Note: The cost estimates originate from both readily attainable price rates or, when price rates were not readily attainable, were extrapolated from earlier purchases. An inflation rate of 3.38% was used in several line items to estimate future costs of the items. Exceptions accounting for known divergences from the 3.38% inflation rate are noted in the spreadsheet footnotes. OCIO costs were based on the OCIO shared services rates for FY2010.

NPERS IT Deficit Spending Request Summary

This deficit spending request covers the approximate IT expenses for four items:

- 1.) **Migration of the NPERS servers** from NPERS to the OCIO Virtual Machine (VM) environment. This migration will provide economies in the elimination of hardware maintenance and replacement, backup tapes and management, and disaster recovery capability.

1.) Migration of servers from NPERS to OCIO (1-Time Costs)

Physical-to-Virtual Migration

| | | |
|------------------|-------------------|--|
| Virtual Machines | \$9,000.00 | Includes virtualization of 20 NPERS servers. 3 of the existing NPERS servers will be retired because hosting services are provided by OCIO going forward. |
| Storage | \$750.00 | Includes the storage of all major NPERS SQL databases plus imaging data. Current size is approximately 1100GB. |
| Sub-total | \$9,750.00 | |

Backup Migration (Tapes)

| | | |
|------------------|-------------------|---|
| Backups | \$7,000.00 | Includes backup all NPERS data. Current size is approximately 2250GB. |
| Sub-total | \$7,000.00 | |

File Store Migration

| | | |
|------------------|-----------------|---|
| Storage | \$500.00 | Includes the storage of file server data and software distribution data. Current size is approximately 550GB. |
| Sub-total | \$500.00 | |

| | | |
|-----------------------------|--------------------|--|
| Total Migration Cost | \$17,250.00 | |
|-----------------------------|--------------------|--|

| Project # | Agency | Project Title |
|-----------|------------------------------------|---------------------------------------|
| 85-01 | Public Employees Retirement System | Transfer NPERS Infrastructure to OCIO |

SUMMARY OF REQUEST (Executive Summary from the Proposal)

[Full text of all proposals are posted here: http://nitc.ne.gov/nitc/documents/2012_deficit/index.html]

The transfer of the Nebraska Public Employees Retirement Systems (NPERS) infrastructure to the Office of the OCIO is driven by economies and efficiencies gained in moving to a virtual environment, increased capability for disaster recovery and relocating NPERS offices from Great Western to the Assurity Building (formerly Woodmen building) in the fall 2012 or spring 2013.

FUNDING SUMMARY**NPERS IT Deficit Spending Request Summary**

This deficit spending request covers the approximate IT expenses for four items:

- 1.) Migration of the NPERS servers from NPERS to the OCIO Virtual Machine (VM) environment.** This migration will provide economies in the elimination of hardware maintenance and replacement, backup tapes and management, and disaster recovery capability.

1.) Migration of servers from NPERS to OCIO (1-Time Costs)**Physical-to-Virtual Migration**

| | | |
|------------------|-------------------|---|
| Virtual Machines | \$9,000.00 | Includes virtualization of 20 NPERS servers. 3 of the existing NPERS servers will be retired because hosting services are provided by OCIO going forward. |
| Storage | \$750.00 | Includes the storage of all major NPERS SQL databases plus imaging data. Current size is approximately 1100GB. |
| Sub-total | \$9,750.00 | |

Backup Migration (Tapes)

| | | |
|------------------|-------------------|---|
| Backups | \$7,000.00 | Includes backup all NPERS data. Current size is approximately 2250GB. |
| Sub-total | \$7,000.00 | |

File Store Migration

| | | |
|------------------|-----------------|---|
| Storage | \$500.00 | Includes the storage of file server data and software distribution data. Current size is approximately 550GB. |
| Sub-total | \$500.00 | |

Total Migration Cost **\$17,250.00**

PROJECT SCORE

| Section | Reviewer 1 | Reviewer 2 | Reviewer 3 | Mean | Maximum Possible |
|---|------------|------------|--------------|-----------|------------------|
| Goals, Objectives, and Projected Outcomes | 15 | 15 | 10 | 13 | 15 |
| Project Justification / Business Case | 25 | 25 | 15 | 22 | 25 |
| Technical Impact | 20 | 20 | 10 | 17 | 20 |
| Preliminary Plan for Implementation | 8 | 10 | 6 | 8 | 10 |
| Risk Assessment | 10 | 8 | 5 | 8 | 10 |
| Financial Analysis and Budget | 20 | 20 | 18 | 19 | 20 |
| | | | TOTAL | 87 | 100 |

REVIEWER COMMENTS

| Section | Strengths | Weaknesses |
|---|--|---|
| Goals, Objectives, and Projected Outcomes | <ul style="list-style-type: none"> - Goal makes absolute sense for all the reasons stated in the proposal - Promotes efficiencies, results in cost savings, takes advantage of agencies' strengths and potentials. - Project intent is consistent with industry best practice and modest cost reduction is achieved. | <ul style="list-style-type: none"> - This is a multi-modal migration project including server, primary storage, backup storage and backup system. The intent is clear and in keeping with industry best practice, however, there is not enough detail to determine whether desirable outcomes will be achieved. For example, how will the scalability of the database environment be achieved in a virtualized environment. |
| Project Justification / Business Case | <ul style="list-style-type: none"> - Move to the OCIO appears to be the appropriate move. Cost savings should be realized - The responses suggest that this project will consolidate servers from both a facilities and quantitative perspective. The limited detail in the proposal outlines a course of action consistent with industry best practice. | <ul style="list-style-type: none"> - It is clear that a change in facilities has provided an opportunity to consolidate IT infrastructure. There is no mention that other options were explored and the overall reduction in cost relative to the total cost is less than anticipated. |
| Technical Impact | <ul style="list-style-type: none"> - All indications in the proposal appear to be both technically appropriate and doable. - On the face of it, the move to a virtualized environment is desirable from a manageability, scalability, and ecological perspective. Based on the limited information, the course of action is a reasonable response to the opportunity provided by a change in facilities. | <ul style="list-style-type: none"> - There is, simply, insufficient detail to assess the technical impact. What is good, "in theory" requires a great deal of preparation to be successful "in practice." One hopes the level of detail being considered is much greater than the scant outline provided. |
| Preliminary Plan for Implementation | <ul style="list-style-type: none"> - Phased in three stage plan. Sound project team identified. - It appears there is a reasonable amount of time to properly plan, test, and validate project deliverables. | <ul style="list-style-type: none"> - There could be a need for some limited training in the area of communication between NPERS and OCIO in the area of help desk or outage conditions. - Responses lack sufficient detail and it is unclear how a move of this magnitude will be achieved without the need for any professional development. It may well be that the OCIO will be responsible for the migration to and maintenance of the virtualized environment, SAN environment and backup environment. Such detail is not provided and it is implausible that the expertise in each of the critical infrastructure areas already exists. |
| Risk Assessment | <ul style="list-style-type: none"> - Appropriate risks have been addressed | <ul style="list-style-type: none"> - Physical relocation brings many factors - some that are not in direct control of project managers - into play. - A great deal of resources in the form of time, money and work were expended to implement the update to the NPERS environment. Given the documented complexity of that implementation, a move of this magnitude requires far more in the way of a risk assessment and mitigation plan than |

| Section | Strengths | Weaknesses |
|-------------------------------|---|--|
| Financial Analysis and Budget | <ul style="list-style-type: none"> - Cost avoidance of \$ 200,000 is a good financial reason to move to OCIO. All the costs on the data sheet appear reasonable - Cost savings in 2014/15 clearly demonstrate the strategic and financial benefits of the project. - Costs are broken out and an explanation of some of those costs is provided. | is documented.... <ul style="list-style-type: none"> - The cost of backups remains constant despite an estimated annual growth of 25%. There is not sufficient documentation to explain how cost will remain constant despite growth of 150% over the documented project timeline. |

TECHNICAL PANEL COMMENTS

| Technical Panel Checklist | | | | Technical Panel Comment |
|---|-----|----|---------|-------------------------|
| | Yes | No | Unknown | |
| 1. The project is technically feasible? | ✓ | | | |
| 2. The proposed technology is appropriate for the project? | ✓ | | | |
| 3. The technical elements can be accomplished within the proposed timeframe and budget? | ✓ | | | |

STATE GOVERNMENT COUNCIL COMMENTS

The State Government Council recommends that this project be categorized as a Tier 2 project.

NITC COMMENTS

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

NITC 5-102

State of Nebraska Nebraska Information Technology Commission Standards and Guidelines

NITC 5-102 (Draft)

| | |
|---------------|--|
| Title | Microsoft Enterprise Agreement – Home Use Program Policy |
| Category | Groupware Architecture |
| Applicability | Applies to all state government agencies participating in the Statewide Microsoft Enterprise Agreement |

1. Purpose

The purpose of the Home Use Program is to encourage consistency in the office productivity software that employees use at home and at work. Skills learned at home will translate better to the workplace, which leads to higher productivity at work. The Home Use Program is not intended to require or encourage telework or taking work home.

1.1 Background

One benefit of software assurance for Microsoft Office that is included under the statewide Microsoft Enterprise Agreement is the Home Use Program. The Home Use Program allows a qualified employee to pay a nominal fee to Microsoft to download and install the most recent version of Office Professional Plus on one home computer and use another copy on a personally owned portable device.

Some of the key provisions of the program include the following:

(Based on information from Microsoft documentation. "Customer" means the State of Nebraska.)

- Under the Home Use Program, customers' employees, who are users of the licensed qualifying applications, may acquire a single license for the corresponding Home Use Program software, to be installed on one home computer. The license terms for that software permit the primary user of the home computer to install and use another copy on a portable device.
- The number of Home Use Program licenses that may be acquired for any given desktop application is limited to the number of licenses for the corresponding qualifying desktop application(s) for which the customer acquires Software Assurance.
- Under the Home Use Program, an employee's usage rights are tied to continued employment with the Customer, and end with termination of employment, termination or expiration of Software Assurance coverage for the copy of the corresponding desktop application that employee uses at work, the employee is no longer a user of the licensed copy of the software, or upon the employee's installation and use of any prior or later version of that desktop application pursuant to a Home Use Program license.
- Customers are not responsible for their individual employee's compliance with the Home Use Program end user license terms. Those terms are between Microsoft and the customer's employee and do vary from the rights provided under the customers Volume Licenses. Microsoft does require that customers limit the Home Use Program access to employees and inform employees of when they should discontinue use of the Home Use Program software in conjunction with a

- lapse in Software Assurance coverage or employment termination.
- Offering the Home Use Program (HUP) involves the following steps:
 - First customer must activate the Home Use Program benefits. Once activated, the Software Assurance Manager (within the OCIO) will get a HUP program code that can be distributed to employees using the email templates, banner ads or other [downloadable marketing resources from HUP](#).
 - Employees getting this information will use their HUP program code and work email address (must use work e-mail address) to [validate their eligibility](#). Once accepted, they'll get a confirmation email that allows them to make purchases directly through the HUP Online Store.
 - Employees pay \$9.95 to Microsoft for the license and download of each product available. Physical back-up media is available for an additional \$12.00 (includes shipping/not available for Language Packs). Prices can change and do vary outside the U.S. See the [HUP Web site](#) for current offers.

2. Policy

State agencies may offer the Microsoft Home Use Program to their employees subject to the following restrictions:

- State agencies must have committed to participating in the Statewide Microsoft Enterprise Agreement by purchasing Office Professional licenses through the OCIO.
- State employees must have a state email address (Nebraska.gov) and must use Office Professional at work.
- State agencies must determine which employees are eligible and whether any agency specific statutes or other restrictions apply.

3. Support

While the OCIO manages and provides support for the Enterprise Agreement, there will be no support for individual users of the Home Use Program. Neither the OCIO nor state agencies will provide support for this program.

VERSION DATE: DRAFT - September 9, 2011

HISTORY:

PDF FORMAT: (to be added)



Nebraska Information Technology Commission

STANDARDS AND GUIDELINES

Network Edge Device Standard for Entities Choosing to Connect to Network Nebraska

| | |
|----------|--|
| Category | Network Architecture |
| Title | Network Edge Device Standard for Entities Choosing to Connect to Network Nebraska |
| Number | |

| | |
|---------------|---|
| Applicability | <input checked="" type="checkbox"/> State Government Agencies <input checked="" type="checkbox"/> All Standard <input type="checkbox"/> Excluding Not Applicable <input type="checkbox"/> State Funded Entities - Not Applicable <input checked="" type="checkbox"/> Other: Entities electing to connect to <i>Network Nebraska</i> Standard Definitions: Standard - Adherence is required. Certain exceptions and conditions may appear in this document, all other deviations from the standard require prior approval (see Section 4.3). Guideline - Adherence is voluntary. |
|---------------|---|

| | |
|--------|---|
| Status | <input checked="" type="checkbox"/> Adopted <input type="checkbox"/> Draft <input type="checkbox"/> Other: _____ |
| Dates | Version Date: April 17, 2006 Date Adopted by NITC: May 1, 2006 Other: Revision November 8, 2011 (Technical Panel) |

1.0 Technical Standard

All state government agencies, boards, and commissions, and entities electing to connect to Network Nebraska for purposes of transmitting data across the state shall comply with this standard.

1.1 Network Edge Device Specifications for new purchases

- QoS capabilities
- Sufficient ports for desired network design
- Security and/or firewall features
- Routing and/or routing protocol
- Traffic shaping and rate limiting
- VLAN (802.1q) support
- Secure remote management (SSH)
- Hardware based encryption acceleration
- Performance to meet anticipated usage demand
- [Compatibility with central site router features](#)
- [IPv6 capable](#)

Option A:

Layer 3 Router (for basic site deployment)

Option B:

Enhanced Layer 3 Router (for larger site deployment or higher performance)

Option C:

Layer 3 Switch/[Firewall combination](#)

1.2 Network Edge Device Specifications for existing equipment

- QoS capabilities
- Sufficient ports for desired network design
- Security and/or firewall features
- Routing and/or routing protocol
- Traffic shaping and rate limiting
- VLAN (802.1q) support
- Secure remote management (SSH)
- Hardware based encryption acceleration
- Performance to meet anticipated usage demand
- [Compatibility with central site router features](#)
- [IPv6 capable](#)

2.0 Purpose and Objectives

The purpose of this standard is to set minimum standards and specifications for network edge devices that would perform the routing and switching functions of voice, video, and data across the network and assure that packets would get to their correct destination while maintaining the appropriate quality of service (QoS).

2.1 Background

~~Network Nebraska--Education~~ currently has about ~~200-245~~ local school ~~districts,~~ ~~educational service units~~ and ~~colleges/campuses~~ that use ~~managed high bandwidth~~ interactive video and Internet services over ~~45 Mbps DS-3~~ ~~high bandwidth fiber transport~~ circuits. ~~As these contracts reach the end of their terms, network upgrade or replacement will be examined through the bid process. In order to accomplish this upgrade,~~ ~~more~~ Network Nebraska--Education requires that intelligent edge devices ~~must~~ be deployed at the school and campus levels to be able to ensure an acceptable quality of service, packet prioritization, better security and firewall features, and remote management. The Technical Panel of the NITC, in cooperation with the operational staff of Network Nebraska, are naming these edge device standards for ~~educational~~ entities seeking to connect to Network Nebraska in order to comply with the provisions of ~~LB-1208 (2006)-Neb. Rev. Stat. 86-5,100 and 86-520.01.~~

~~Approximately 100 other high schools have 100 Mbps or greater local connections that may opt to connect to Network Nebraska for reasons of statewide data exchange. This standard contains new equipment and existing equipment standards that would also apply to their edge device installation.~~

2.2 Objective

The objective of this standard is to prescribe the acceptable routing and switching device attributes that can be deployed at the local sites of Network Nebraska in order to achieve a multipurpose, converged network, capable of traffic prioritization and shaping, that performs reliably and ensures an expected quality of service.

The ~~Specifications~~ specifications for purchase of new equipment affects those Network Nebraska entities that will be upgrading existing fiber circuits and purchasing new edge devices for connecting connection to Network Nebraska, ~~in the 2007-2009 time frame.~~

The ~~Specifications~~ specifications for existing equipment affects those entities that may have already upgraded to IP networking over high bandwidth circuits, have recently purchased or upgraded their edge equipment, and are connecting to Network Nebraska, ~~in the 2007-2009 time frame.~~

3.0 Definitions

3.1 IP

Internet Protocol. Packet-based protocol for delivering data across networks.

3.2 IPv6

Internet Protocol version 6 is an upgrade to IP version 4. While IPv4 allows 32 bits for an Internet Protocol address, and can therefore support 2^{32} (4,294,967,296) addresses, IPv6

uses 128-bit addresses, so the new address space supports 2^{128} (approximately 340 undecillion or 3.4×10^{38}) addresses.

3.2-3 Mbps

Megabits per second. A unit of measure of data of 1,000,000 bits per second.

3.3-4 Network Nebraska

Network Nebraska is the term used to describe the statewide multipurpose telecommunications backbone and all of its associated service offerings and support. Network Nebraska is made possible through a consortium of public entities working together to provide a scalable, reliable and affordable infrastructure capable of carrying a spectrum of services and applications. Network Nebraska shall meet the demand of state agencies, local governments, and educational entities. Network Nebraska—Education is the sub-network managed to serve the needs of public and nonpublic K-12 education, and public and nonpublic higher education.

3.4-5 QoS

Quality of Service. The ability to define a level of performance in a data communications system.

3.5-6 router

A device or setup that finds the best route between any two networks using IP addressing, even if there are several networks to traverse. Like bridges, remote sites can be connected using routers over dedicated or switched lines to create wide area networks.

3.6-7 SSH

Secure Shell (SSH client) is a program for logging into a remote machine and for executing commands on a remote machine. It is intended to replace rlogin and rsh, and provide secure encrypted communications between two untrusted hosts over an insecure network.

3.7-8 switch

A mechanical or solid state device that opens and closes circuits, changes operating parameters or selects paths for circuits on a space or time division basis.

3.8-9 VLAN

Virtual Local Area Network. Virtual LANs (VLANs) can be viewed as a group of devices on different physical LAN segments which can communicate with each other as if they were all on the same physical LAN segment.

4.0 Applicability

4.1 State Government Agencies

This standard applies to all state government agencies, boards, and commissions.

4.2 Other Entities

This standard applies to entities electing to connect to Network Nebraska--Education.

4.3 ExemptionWaivers

Exemptions may be granted by the NITC Technical Panel upon request by an agency or other entity. Entities seeking a waiver of this standard should follow the process described in NITC Waiver Policy 1-103: <http://www.nitc.nebraska.gov/standards/1-103.html>

4.3.1 Exemption Process

Any agency or other entity may request an exemption from this standard by submitting a "Request for Exemption" to the NITC Technical Panel. Requests should state the reason for the exemption. Reasons for an exemption include, but are not limited to: statutory exclusion; federal government requirements; or financial hardship. Requests may be submitted to the Office of the NITC via e-mail or letter (Office of the NITC, 521 S. 14th Street, Suite 301, Lincoln, NE 68508). The NITC Technical Panel will consider the request and grant or deny the exemption. A denial of an exemption by the NITC Technical Panel may be appealed to the NITC.

5.0 Responsibility

5.1 NITC

The NITC shall be responsible for adopting minimum technical standards, guidelines, and architectures upon recommendation by the technical panel. (N.R.S. 86-516 §6)

5.2 Network Nebraska Operational entities

The Collaborative Aggregation Partnership, composed of the University of Nebraska Computer Services Network, the Department of Administrative Services--Division of Communications, and Nebraska Educational Telecommunications, will be responsible for sharing the responsibilities of the network operations portion of *Network Nebraska*. The responsibility for identification and mitigation of non-compliant entities with respect to the Network Edge Device Standard resides with the Collaborative Aggregation Partnership.

5.3 Equipment Reporting

An education-related political subdivision shall provide notice in writing, as 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. (<http://www.networknebraska.net/equipment.shtml>) (N.R.S. 86-520.01)

Nebraska Information Technology Commission

--Technical Panel Charter--

DRAFT REVISED

1. Introduction

The Technical Panel was created by LB 924 in 1998 as an advisory body to the Nebraska Information Technology Commission (hereafter referred to as "Commission").

2. Purpose

The purpose of this charter is to provide operational guidance to the Technical Panel members, clarify its relationship to the Commission, and to provide general information to all who read the proceedings and recommendations of the Technical Panel.

3. Authority

The Technical Panel of the Nebraska Information Technology Commission is codified at Neb. Rev. Stat. § 86-521. ~~Section 86-521(2) provides:~~
~~The technical panel shall review any technology project or request for additional funding recommended 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.~~

4. Commission Mission and Responsibilities ~~(NEB. REV. STAT. § 86-516)~~

4.1 Commission Mission

"The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's information technology infrastructure more accessible and responsive to the needs of its citizens, regardless of location, while making investments in government, education, health care and other services more efficient and cost effective."~~"The mission of the Nebraska Information Technology Commission is to make the State of Nebraska's investment in information technology infrastructure more accessible and responsive to the needs of its citizens regardless of location while making government, education, health care and other services more efficient and cost effective."~~
<http://www.nite.state.ne.us/>

4.2 Commission Responsibilities:

~~4.2.1 Adopt policies and procedures used to develop, review, and annually update a statewide technology plan;~~

~~4.2.2 Create a technology information clearinghouse to identify and share best practices and new developments, as well as identify existing problems and deficiencies;~~

~~4.2.3 Review and adopt policies to provide incentives for investments in information technology infrastructure services;~~

~~4.2.4 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;~~

~~4.2.5 Adopt guidelines regarding project planning and management, information sharing, and administrative and technical review procedures involving state-owned or state-supported technology and infrastructure. Governmental entities, state agencies, and political subdivisions shall submit projects that directly utilize state appropriated funds for information technology purposes to the process established by NEB. REV. STAT. §§ 86-512 to 86-524. Governmental entities and political subdivisions may submit other projects involving information technology to the Commission for comment, review, and recommendations;~~

~~4.2.6 Adopt minimum technical standards, guidelines, and architectures upon recommendation by the technical panel;~~

~~4.2.7 Establish ad hoc technical advisory groups to study and make recommendations on specific topics, including work groups to establish, coordinate, and prioritize needs for education, local communities, and state agencies;~~

~~4.2.8 Make recommendations on technology investments to the Governor and the Legislature, including a prioritized list of projects, reviewed by the technical panel, for which new or additional funding is requested;~~

~~4.2.9 Approve grants from the Community Technology Fund and Government Technology Collaboration Fund; and~~

~~4.2.10 Adopt schedules and procedures for reporting needs, priorities, and recommended projects.~~

The responsibilities and duties of the Commission are codified at Neb. Rev. Stat. § 86-516.

5. Technical Panel Mission and Responsibilities

5.1 Technical Panel Mission

The mission of the Technical Panel is to assist in the development of a statewide technical infrastructure that will be scalable, reliable, and efficient.

5.2 Technical Panel Responsibilities

5.2.1 Assist the Commission in developing, reviewing, and updating the statewide technology plan;

5.2.2 Review any technology project ~~or request for additional funding recommended~~ presented to the Commission including any recommendations by working groups established by the Commission;

5.2.3 Recommend technical standards and guidelines to be considered for adoption by the Commission;

5.2.4 Review requests for funding from the Community Technology Fund, the Government Technology Collaboration Fund, and other requests for funding for technology projects as directed by the Commission; and

5.2.5 Such other responsibilities as directed by the Commission.

6. Membership

6.1 Number of Members

The Technical Panel may include but not be limited to five members approved by the Commission.

6.2 Representation

6.2.1 One representative from the Nebraska Educational Telecommunications Commission;

6.2.2 One representative from the office of Chief Information Officer;

6.2.3 One representative from the University of Nebraska Computing Services Network;

6.2.4 One member with expertise in assistive technology;

6.2.5 One member representing K-12 education; and

6.2.6 Other members as specified by the Commission.

6.3 Member Recommendations and Approval

Recommendations for membership on the Technical Panel will be considered: from the agency represented for members in sections 6.2.1 through 6.2.3; from the CIO of the University of Nebraska and the CIO of the State of Nebraska for the member listed in section 6.2.4; and from the Education Council of the NITC for the member listed in section 6.2.5.

All members of the Technical Panel must be approved by the Commission.

6.4 Member Responsibilities; Conflicts of Interest

A Member with a potential conflict of interest in a matter before the Technical Panel or a potential interest in a contract with the Technical Panel is subject to the provisions of the Nebraska Political Accountability and Disclosure Act including sections 49-1499.02 and 49-14,102. A Member with a potential conflict of interest or a potential interest in a contract shall contact the Nebraska Accountability and Disclosure Commission and take such action as required by law.

7. Meeting Procedures

7.1 Chair(s)

7.1.1 A Chair, elected by the members, will conduct the meetings of the Technical Panel, oversee the establishment, operation and dissolution of committees, propose meeting agendas, and maintain the general operations of the Panel.

7.1.2 The Chair of the Technical Panel will serve a one-year term beginning January 1 of each year.

7.2 Quorum and Action Items

An official quorum consists of at least 50% of the members or their alternates. No official voting business may be conducted without an official quorum. Issues shall be decided by a majority vote of the members present.

7.3 Designated Alternates and Non-voting Alternates

Each member of the Technical Panel shall designate one (1) official alternate to be approved by the Commission. This official voting alternate shall be registered with the Office of the Chief Information Officer and NITC and, in the absence of the official member, have all the privileges as the official member on items of discussion and voting.

7.4 Meeting Frequency

The Technical Panel shall meet not fewer than four times per year (quarterly).

7.5 ~~Open Meeting Laws and Public Notice~~ Notice of Meetings

Notice of the time and place of each meeting of the Council shall be made at least seven (7) calendar days prior to the meeting. Notice shall be published on the Technical Panel's website at <http://www.nitc.ne.gov/>.

~~7.5.1 Advance Notice
The Technical Panel shall give reasonable advance publicized notice of the time, place, and agenda of each meeting through the use of its web page, <http://www.nitc.state.ne.us/>. The agenda will also be available for public inspection during normal business hours at the Office of the CIO NITC, 501 S. 14th, Lincoln, Nebraska.~~

7.5.2 Minutes and Voting

~~The Technical Panel shall keep minutes of all meetings showing the time, place, members present and absent and the substance of all matters discussed. Any action taken on any question or motion duly moved and seconded shall be by roll call vote of the Technical Panel in open session, and the record shall state how each member voted or if the member was absent or not voting. The roll call shall be called on a rotational basis. Minutes shall be written and available for inspection within ten working days or prior to the next convened meeting, whichever occurs earlier.~~

Approved by the NITC on August 30, 1999. Amendments approved by the NITC on April 30, 2002.
Statutory references revised June 7, 2004. Amendments approved by the NITC on September 23, 2005 and November 1, 2006.

Nebraska Information Technology Commission
Enterprise Project Status Dashboard – As of November, 2011

| Project: Access Nebraska (Q) | | | Contact: Karen Heng | | | |
|---|------------|-----------------------|----------------------------|-------------------------|------|------|
| Start Date | 09/16/2008 | Orig. Completion Date | 06/30/2012 | Revised Completion Date | | n/a |
| | | | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments: | | | | | | |
| <p>ACCESSNebraska transition continues. In October, staff moved into the Lexington Customer Service Center. This staff will move to Universal Case Management in January 2012. The Scottsbluff Customer Service Center started transition to Universal Case Management and answering phone calls. There were approximately 30 workers answering telephone calls as of October 31. Staff and caseloads began transitioning into Universal Case Management from Central and Western Service Areas. This transition will continue through February 2012. The transition is currently 80% complete.</p> <p>On the technology side, October 3, we added a Submit Documents application to the ACCESSNebraska web site. This application accepts documents in .tif and .jpg file formats. We have had 2,130 pages submitted in October utilizing this feature. We have had to reject 15% of the documents submitted. This is usually due to the document not being readable. Customer feedback has been positive about the application. Users especially like the email that confirms the document has moved into the Document Imaging System. An email is also sent when we are unable to accept the document into the system and offers different ways to get the document to the Department.</p> <p>Testing has been completed on an automated Interview Scheduler that will be put into production on Nov. 13. This tool will schedule a required interview when an application is received by the State. Testing is currently occurring on a new phone dashboard that will provide staff statistics on their computers as to number of calls in wait and average wait times.</p> | | | | | | |

| Project: Student Information System (Q) | | | Contact: Walter Weir | | | |
|--|--|--|-----------------------------|--------|------|------|
| | | | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments: | | | | | | |
| <p>Now reporting quarterly. No update for September.</p> <p>ADA Compliance updates are only outstanding items.</p> | | | | | | |

Nebraska Information Technology Commission
Enterprise Project Status Dashboard – As of November, 2011

| Project: Link – Human Capital Management (formerly Talent Management System) | | Contact: Dovi Mueller | | | | |
|--|----------|------------------------------|-----------|-------------------------|------|------|
| Start Date | 6/1/2009 | Orig. Completion Date | 7/1/2012 | Revised Completion Date | n/a | |
| | November | October | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments | | | | | | |
| <p>Applicant Tracking (NEOGOV)</p> <ul style="list-style-type: none"> NEOGOV's Fall release/update will include the ability to link the Insight and Online Hiring Center Accounts so that HR staff for have both will sign in once and be able to toggle between both <p>Learning Development & Performance (Cornerstone OnDemand)</p> <ul style="list-style-type: none"> Finalizing the outbound CSoD integration and getting ready to run unit test There are currently 300+ courses available in the LMS. The first Webinar has been loaded and employees are beginning to sign-up to attend. <p>Benefits / Human Capital Management (Workday)</p> <ul style="list-style-type: none"> Data clean-up continues with each agency being notified regarding data integrity issues found in E1. All clean-up activities are to be completed by November 15 Workgroup has been identified and has started to compare the list of Workday standard reports to the HR/Benefits reports currently available in E1. Reports will be rewritten as needed. Workday HCM training has been scheduled for agency participation the week of November 28. There are currently 14 attendees and this training will be held onsite. This group of trainees will become our train-the-trainers for the remaining HR staff. Employees will not be trained on Benefits Open Enrollment until March/April 2012 time frame. | | | | | | |

| Project: Link - Procurement | | Contact: Dovi Mueller | | | | |
|--|----------|------------------------------|-----------|-------------------------|------|------|
| Start Date | 6/1/2009 | Orig. Completion Date | 7/1/2012 | Revised Completion Date | n/a | |
| | November | October | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments | | | | | | |
| <p>Procurement</p> <ul style="list-style-type: none"> Procurement team will be using the test scenarios provided to them as a basis for testing Workday functionality. Additional use cases will be added as they become familiar with the business processes and environment. Any gaps found during testing will be documented on Central Desktop This month, work will begin on developing end-user training documents | | | | | | |

**Nebraska Information Technology Commission
Enterprise Project Status Dashboard – As of November, 2011**

| Project: Network Nebraska Education | | Contact: Tom Rolfes | | | | |
|--|------------|----------------------------|------------|-------------------------|------|------|
| Start Date | 05/01/2006 | Orig. Completion Date | 06/30/2012 | Revised Completion Date | n/a | |
| | November | October | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments | | | | | | |
| <p>The College Park emergency power generator was installed and tested in early September. The RFP was released as scheduled on October 25 and included 234 WAN circuits for K-12, statewide backbone transport, statewide Internet access, and WAN circuits for four higher education institutions. Bid opening is scheduled for December 9. Communicating bid prices to prospective purchasers and finalizing all vendor contracts prior to the end of January 2012 will be the next big challenges.</p> | | | | | | |

| Project: Public Safety Wireless (Q) | | Contact: Mike Jeffres | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------|------------------------------|------------------------------|---------------|------|------|--|--|--|--|--|-------------|-----------------------------|---------------------------|------------------------------|---------------|---|---|-------------|----------|--|
| | November | October | September | August | July | June | | | | | | | | | | | | | | | |
| Overall Status | | | | | | | | | | | | | | | | | | | | | |
| Schedule | | | | | | | | | | | | | | | | | | | | | |
| Budget | | | | | | | | | | | | | | | | | | | | | |
| Scope | | | | | | | | | | | | | | | | | | | | | |
| Comments | | | | | | | | | | | | | | | | | | | | | |
| <p>System acceptance is pending coverage testing, which is on temporary hold.</p> <p>We are currently in discussion with Motorola on developing the final check list any remaining open issues to complete the system acceptance plan.</p> | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="5">Project Issues (For example, if a Milestone shown above late, what is the planned recovery?)</th> </tr> <tr> <th>Description</th> <th>Impact on Project - (H,M,L)</th> <th>Date Resolution is Needed</th> <th>Issue Resolution Assigned to</th> <th>Date Resolved</th> </tr> </thead> <tbody> <tr> <td>Coverage testing on hold – pending ongoing investigation of noise issue related to antenna used at towers, system remains in operation.</td> <td>L</td> <td>Spring 2012</td> <td>Motorola</td> <td></td> </tr> </tbody> </table> | | | | | | | Project Issues (For example, if a Milestone shown above late, what is the planned recovery?) | | | | | Description | Impact on Project - (H,M,L) | Date Resolution is Needed | Issue Resolution Assigned to | Date Resolved | Coverage testing on hold – pending ongoing investigation of noise issue related to antenna used at towers, system remains in operation. | L | Spring 2012 | Motorola | |
| Project Issues (For example, if a Milestone shown above late, what is the planned recovery?) | | | | | | | | | | | | | | | | | | | | | |
| Description | Impact on Project - (H,M,L) | Date Resolution is Needed | Issue Resolution Assigned to | Date Resolved | | | | | | | | | | | | | | | | | |
| Coverage testing on hold – pending ongoing investigation of noise issue related to antenna used at towers, system remains in operation. | L | Spring 2012 | Motorola | | | | | | | | | | | | | | | | | | |

Nebraska Information Technology Commission
Enterprise Project Status Dashboard – As of November, 2011

| Project: Fusion Center | | Contact: Kevin Knorr | | | | |
|---|------------|-----------------------------|------------|-------------------------|------------|------|
| Start Date | 04/13/2010 | Orig. Completion Date | 06/11/2011 | Revised Completion Date | 12/15/2011 | |
| | November | October | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments | | | | | | |
| <p>System training began on September 6, 2011 and will continue until mid-November. During that time the team will continue to bring additional data sources online and work through minor punch list items. The train the trainer has been completed, but the training of users has been delayed until a connectivity issue can be worked through.</p> <p>Issues: We have encountered a system stability issue that relates to the current server configuration. This is an issue that causes the server to re-boot due to a very low level error. The error itself has not yet been identified, but the teams will be updating the operating system patches to be consistent with a stable server within a stable server.</p> <ul style="list-style-type: none"> The system stability issue has potentially been resolved with the addition of proper server patches. We are holding on stating completion to ensure that the system remains stable. <p>Regarding the connectivity issues – the state’s mobile environment caused our developers to explore a web environment that provides access to all law enforcement agencies. This creates some complexities with user authentication.</p> | | | | | | |

| Project: Online Assessment | | Contact: John Moon | | | | |
|--|------------|---------------------------|------------|-------------------------|------------|------|
| Start Date | 07/01/2010 | Orig. Completion Date | 06/30/2011 | Revised Completion Date | 06/30/2012 | |
| | November | October | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments | | | | | | |
| <p>Nebraska State Accountability (NeSA) is a statewide assessment system mandated by Nebraska Statute. Nebraska Department of Education has contracted with Data Recognition Corporation (DRC) to continue the development of the assessment system including management, development, delivery, administration, scanning/imaging, scoring, analysis, reporting, and standard setting for the online and pencil/paper reading, science, and mathematics tests for July 1, 2011 through June 30, 2012. Starting this year the alternate assessments will be incorporated into the assessment system with DRC. DRC will facilitate the delivery, administration, scanning/imaging, scoring, analysis, and reporting for the alternate pencil/paper reading, science, and mathematics tests during the same assessment window. Online writing assessment will be added to the NeSA system in 2012 for grades 8 and 11.</p> <p>Student data will be transferred from the Nebraska Student Staff Record System (NSSRS) to DRC’s student data assessment system. The online subcontractor Computerized Assessments & Learning (CAL) for the online components of the assessment system will upload the student data from DRC. Schools will install CAL’s software on local computers and software updates will be automatically uploaded when students log onto the assessment system. The student responses are cached on the local computer and sent to CAL. Each district has used CAL’s school capacity process to evaluate online requirements for NeSA testing. The student responses for secure online assessments will be collected by CAL and transferred to DRC for analysis and reporting. During spring 2012, NDE is estimating that over 140,000 students will participate in the Reading, Science, and Mathematics operational testing. The NeSA reading/science/math test window is</p> | | | | | | |

Nebraska Information Technology Commission Enterprise Project Status Dashboard – As of November, 2011

from March 26 through May 4, 2012. Test administrators will be able to monitor testing during the test window and review test results immediately after test administration (raw scores only). DRC's comprehensive corrections system will permit NDE to correct student records for duplicates, incorrect school assignment, etc during the month of June. Complete reporting of student results to districts, schools, and parents will be completed in August 2012.

Update for November 8, 2011: Technical Coordinator training is scheduled for three sessions on November 8-9 covering the following topics:

- System Overview
- System Requirements
- Computer Lab Configurations
- Installation Process
- Remote Installations
- Server Installations
- Firewalls/Filters
- Software Updates
- What's New for 2011-2012

| Project: Interoperability Project | | Contact: Rod Hutt | | | | |
|--|------------|--------------------------|------------|-------------------------|------|------|
| Start Date | 10/01/2010 | Orig. Completion Date | 06/01/2013 | Revised Completion Date | n/a | |
| | November | October | September | August | July | June |
| Overall Status | | | | | | |
| Schedule | | | | | | |
| Budget | | | | | | |
| Scope | | | | | | |
| Comments | | | | | | |
| <p>The project is gaining momentum. The "Pilot Region" (Panhandle & North Central Regions) equipment has been ordered and is arriving. Actual construction will take place on September 1, with completion and system testing and signoff taking place in October. In the Southwest region, all path studies, tower mapping, structural analyses and grounding tests have been completed and equipment will be ordered in October. Completion and signoff of the Pilot Region is a prerequisite for starting construction in the rest of the regions. In the South Central and Southeast regions, all path studies, tower mapping, structural analyses and grounding tests have been completed. Equipment will be ordered for South Central in December. In the remaining regions (East Central, Northeast and Tri-County) much of the pre-construction work has been accomplished.</p> <p>Project is moving forward nicely with lessons learned in the Pilot Region making it easier to perform tasks.</p> <p>Will upcoming target dates be missed? Possibly. 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.</p> | | | | | | |

**Nebraska Information Technology Commission
Enterprise Project Status Dashboard – As of November, 2011**

| Project: MMIS | | Contact: | | | | | | |
|-------------------------------|----------|-----------------------|-----------|--------|------|-------------------------|--|-----|
| Start Date | n/a | Orig. Completion Date | | | n/a | Revised Completion Date | | n/a |
| | November | October | September | August | July | June | | |
| Overall Status | | | | | | | | |
| Schedule | | | | | | | | |
| Budget | | | | | | | | |
| Scope | | | | | | | | |
| Comments | | | | | | | | |
| Project On Hold until renewed | | | | | | | | |

| Project: Enterprise Content Management | | Contact: Kevin Keller | | | | | | |
|---|------------|------------------------------|-----------|--------|------------|-------------------------|--|------------|
| Start Date | 10/15/2010 | Orig. Completion Date | | | 05/31/2011 | Revised Completion Date | | 09/30/2011 |
| | November | October | September | August | July | June | | |
| Overall Status | | | | | | | | |
| Schedule | | | | | | | | |
| Budget | | | | | | | | |
| Scope | | | | | | | | |
| Comments | | | | | | | | |
| The ECM system now has public access. | | | | | | | | |
| The project is complete | | | | | | | | |

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

Network Nebraska

2012-2014

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 aggregates disparate networks into a multipurpose core backbone extending from Omaha to Lincoln to Grand Island and Scottsbluff, with Ethernet clouds extending out to the furthest corners of the state. The State of Nebraska Office of the CIO, the University of Nebraska, Nebraska Educational Telecommunications Commission, Department of Education, Public Service Commission, and the Nebraska Information Technology Commission have formed the Collaborative Aggregation Partnership (CAP) to guide and implement Network Nebraska. The next phase of this initiative is to formalize business relationships and agreements and to enhance rural bandwidth through local aggregation.

The major components of this initiative include:

- Development of a scalable, reliable, and secure telecommunications infrastructure that enables any type of eligible entity (i.e., local and state government, K-12 and higher education) to purchase the amount of service that the entities need, when they need it, on an annual basis;
- Establishment of a catalog of value-added services that enables eligible entities to pick and choose applications that are pertinent to them (e.g., Internet1, Internet2, and videoconferencing);
- Implementation of a network operations center that offers a helpdesk, network diagnostics, and engineering assistance in order to ensure acceptable qualities of service;
- Establishment of a billing or accounting center to accept service orders, extend service agreements, provide consolidated billing, and to maintain customer accounts;
- The organization of advisory groups (i.e. Network Nebraska—Education) that can provide input and recommendations on network issues to the executive sponsors of such networks.

Benefits

Through aggregation of demand, adoption of common standards, and collaboration with network services and applications, participants can achieve many benefits, including:

- Lower network costs;
- Greater efficiency for participating entities;
- Interoperability of systems providing video courses and conferencing;
- Increased collaboration among all K-20 educational entities, as well as state agencies;
- New educational opportunities;
- Competitiveness with surrounding states; and
- Better use of public investments.

Current Action Items (2012-2014)

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

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

Lead: Network Nebraska (CAP)

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

Timeframe: 2012-2014

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

Status: Continuation

Action: Education entities will act as primary tenants to encourage the aggregation of data transport by community anchor institutions.

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

Participating Entities: Specific communities, Office of the Chief Information Officer, NITC Education Council, Nebraska League of Municipalities, Nebraska Association of County Officials, and public libraries

Timeframe: 2012-2014

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

Status: New

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

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

Lead: Network Nebraska (CAP)

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

Timeframe: 2012-2014

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

Status: Continuation

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

Lead: Office of the Chief Information Officer

Participating Entities: Network Nebraska (CAP), ESU-NOC, Education Council

Timeframe: 2012-2014

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

Status: Continuation

3. Offer Internet I services to eligible network participants.

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

Lead: Network Nebraska (CAP)

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

Timeframe: 2012-2014

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

Status: Continuation

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

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

Lead: Network Nebraska—Education Advisory Group

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

Timeframe: 2012-2014

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

Status: Continuation with minor revisions

Action: Charter a work group to research advanced network services for Network Nebraska participants.

Lead: Network Nebraska—Education Advisory Group,

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

Timeframe: 2012-2014

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

Status: Continuation

Action: Annually reissue the Network Nebraska Marketing Survey and subsequent Report to help steer the strategic direction of Network Nebraska—Education.

Lead: Education Council Marketing Task Group

Participating Entities: Network Nebraska—Education Advisory Group.

Timeframe: 2012-2014

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

Status: Continuation

Action: Annually update the Network Nebraska Marketing Plan.

Lead: Education Council Marketing Task Group

Participating Entities: Network Nebraska—Education Advisory Group.

Timeframe: 2012-2014

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

Status: Continuation

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

Lead: Office of the Chief Information Officer

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

Timeframe: 2012-2014

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

Status: New

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

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

Timeframe: 2012-2014

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

Status: New

Completed Action Items

Action: Develop an online E-rate cost allocation calculator that will enable K-12 and non-K-12 entities to estimate the ineligible telecommunications costs resulting from offering non-K-12 services in a K-12 facility.

Lead: Education Council Funding/E-rate Task Group

Participating Entities: Distance Education Council

Timeframe: 2012-2014

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

Status: Completed 2011

Action: Review the viability and effectiveness of the Network Nebraska—Education Advisory Group and make appropriate changes to affect its structure, membership and meeting frequency.

Lead: Education Council Governance Task Group

Participating Entities: Education Council, Chief Information Officer

Timeframe: 2012-2014

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

Status: Completed 2011

Discontinued Action Items

Action: Work to change the federal E-rate policies that create impediments and financial disincentives for collaborative usage of networks and videoconferencing by ineligible populations (Pre-K, adults, telehealth, etc...).

Lead: Nebraska E-rate Coordinator

Participating Entities: Educational Service Units, NITC Education Council

Timeframe: 2012-2014

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

Status: Discontinued 2011

Action: Research and pursue grant writing that would assist with the deployment of statewide technology services.

Lead: Education Council Funding/E-rate Task Group

Participating Entities: Network Nebraska—Education Advisory Group, ESU Coordinating Council.

Timeframe: 2012-2014

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

Status: Discontinued 2011

Action: Develop a business plan for Network Nebraska—Education.

Lead: Education Council Marketing Task Group

Participating Entities: CAP, Network Nebraska Advisory Group, ESU Coordinating Council, ESUs

Timeframe: 2012-2014

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

Status: **Discontinued 2011**

IT Planning and Development

2012-2014

Objective

- To foster community and economic development in Nebraska communities through the effective use of information technology.

Description

Technology is an important economic development tool for communities. Telecommunications infrastructure is often compared to roads and water in its importance to communities. As important as infrastructure is the ability of community leaders to utilize technology effectively to enhance economic development opportunities. The Community Council has been addressing technology-related development in Nebraska's communities since its formation in 1998. As technologies and the needs of communities have changed, programming and areas of emphasis have shifted. The Community Council recognizes the importance of building partnerships, leveraging resources, and building community capacity in addressing technology-related development. Over the past several years, partnerships have been developed with many partners including the University of Nebraska, Nebraska Department of Economic Development, Nebraska Public Service Commission, Nebraska Public Power District, the AIM Institute, and other organizations.

The Nebraska Public Service Commission is partnering with the University of Nebraska, NITC Community Council, Nebraska Department of Economic Development, and AIM Institute on a broadband planning project funded as part of the Nebraska Public Service Commission's broadband mapping grant from the National Telecommunications Information Administration. The grant was funded through the American Recovery and Reinvestment Act. The project is identifying barriers to the adoption of broadband and IT services, creating and facilitating local technology planning teams, and collaborating with broadband service providers to encourage broadband deployment. Project activities are summarized below:

1. Regional planning teams are being formed to conduct regional assessments, prioritize needs, and develop strategies to address needs.
2. An initial survey of Nebraskans about their computer and Internet usage, challenges and desires for the future was conducted in 2010. Follow-up surveys are also planned.
3. Regional forums were conducted to present broadband mapping and mail survey results, to solicit feedback, and to kick off regional planning efforts.
4. A broadband conference was held in Lincoln on Nov. 1, 2011 to facilitate learning and discussions regarding broadband issues.
5. Businesses are being surveyed through the Business Retention and Expansion process to identify the strengths and challenges they face in utilizing technology.

6. Seven to 10 focus groups will be held with anchor institutions and utility providers as well as populations with low usage rates to gain understanding into the barriers from their perspective.
7. Use of the Internet and computers will be encouraged through demonstration workshops and training in collaboration with the broadband service providers and information technology companies.
8. Regional technology plans as well as a statewide report and recommendations will be developed and presented to the Nebraska Information Technology Commission, Nebraska Public Service Commission, Department of Economic Development and University of Nebraska Lincoln. These plans will be made publicly available through the project website.

Benefits

The potential benefits of information technology to communities, businesses, local government, and residents are numerous:

- Communities can use their Web sites to publicize community events, communicate with former residents and prospective newcomers, and advertise available commercial sites.
- Communities can enhance promotional and informational activities through the use of newer technologies such as social networking or video content delivered through youTube or podcasts.
- Businesses can use information technology to decrease costs, increase sales, and provide better customer service.
- Local governments can use information technology to more efficiently deliver services and provide information to citizens.
- Residents can update their skills through continuing education, search for employment, network with others who share their interests, and share photos or videos with distant family members or Internet users worldwide.

Action Plan

Current Action Items

1. **Identify and address technology-related needs in communities through participation in the planning component of the state's Broadband Mapping program.**

Action: Serve as the project's advisory group, including assisting in the development of survey questions, the revision of materials for use with regional technology teams, and the development of a statewide report and recommendations.

Lead: University of Nebraska, Nebraska Department of Economic Development, and Community Council

Participating Entities: University of Nebraska, Nebraska Department of Economic Development, Community Council, Public Service Commission, and others

Timeframe: 2012-2014

Funding: ARRA-funded Broadband Mapping program through the NTIA

Status: Continuing

Completed Action Items (2010-2011)

1. Work with the Nebraska Department of Economic Development, University of Nebraska Extension, and NPPD to continue to provide assistance in website development to communities.

Discontinued Action Items

1. Monitor technology trends that affect Nebraska communities and play a leadership role in presenting these new technologies in a timely manner. (This action item will be incorporated into the broadband planning action item.)

eHealth

2012-2014

Objective

- To foster the collaborative and innovative use of eHealth technologies through partnerships between public and private sectors, and to encourage communication and coordination among eHealth initiatives in Nebraska.

Description

Health information technology (Health IT), often referred to as eHealth, promises to improve individual patient care and public health while reducing costs and improving efficiencies. eHealth technologies include health information exchange, electronic medical records, electronic health records, personal health records, electronic prescribing, clinical decision support, computerized provider order entry, and telehealth.

Health Information Exchange is the electronic movement of health-related information among organizations according to nationally recognized standards. (NAHIT)

An Electronic Medical Record is an electronic record of health-related information on an individual that can be created, gathered, managed, and consulted by authorized clinicians and staff within one health care organization. (NAHIT)

An Electronic Health Record is an electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be created, managed, and consulted by authorized clinicians and staff across more than one health care organization. (NAHIT)

A Personal Health Record is an electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be drawn from multiple sources while being managed, shared, and controlled by the individual. (NAHIT)

Electronic Prescribing (eRx) is a type of computer technology whereby physicians use handheld or personal computer devices to review drug and formulary coverage and to transmit prescriptions to a printer or to a local pharmacy. (Office of the National Coordinator Glossary of Selected Terms)

A Decision-Support System (DSS) consists of computer tools or applications to assist physicians in clinical decisions by providing evidence-based knowledge in the context of patient-specific data. (Office of the National Coordinator Glossary of Selected Terms)

Computerized Provider Order Entry (CPOE) is a computer application that allows a physician's orders for diagnostic and treatment services (such as medications, laboratory, and other tests) to be entered electronically instead of being recorded on order sheets or prescription pads. (Office of the National Coordinator Glossary of Selected Terms)

Telehealth is the use of telecommunications and information technologies to provide healthcare services over distance and/or time, to include diagnosis, treatment, public health, consumer health information, and health professions education. (Minnesota e-Health Glossary of Selected Terms)

Current Initiatives

The importance of electronic health records in efforts to improve the quality of care was officially recognized in 2004 when President Bush called for Americans to have electronic health records by 2014 and created the Office of the National Coordinator for Health IT. Under President Obama, the push to adopt health IT and to reform health care has intensified. The American Recovery and Reinvestment Act established several programs to support the meaningful use of health information technology. Meaningful use of health information technology includes the use of electronic health records, e-prescribing, and connectivity to a health information exchange. A detailed definition of Meaningful Use is being developed by the Centers for Medicare and Medicaid Services.

Several eHealth initiatives are currently underway in Nebraska, including the Nebraska Health Information Initiative (NeHII), Electronic Behavioral Health Information Network, Wide River Technology Extension Center, Metropolitan Community College's Health IT Program, and the Nebraska Statewide Telehealth Network.

State HIE Cooperative Agreement. Nebraska received \$6.8 million in funding from the U.S. Department of Health and Human Services Office of the National Coordinator for Health IT on March 14, 2010. The four-year grant is providing funding to expand health information exchange across Nebraska. NeHII, eBHIN, the Nebraska Department of Health and Human Services Division of Public Health, and the Nebraska Statewide Telehealth Network are receiving funding for eHealth activities through the grant.

The Nebraska Health Information Initiative (NeHII), the state's largest health information exchange, is a fully operational and sustainable health information exchange. As the lead health information exchange for Nebraska, NeHII will act as the integrator for the state, providing the technical infrastructure for the sharing of health information. NeHII is exchanging laboratory, radiology, medication history and clinical documentation information between hospitals throughout the state. As of Nov. 7, over 30 hospitals are actively participating in NeHII or have signed participation agreements.. When all of these hospital connections have been implemented, nearly two-thirds of the state's hospital beds will be covered by NeHII. In addition, insurance eligibility information is being sent and will be used to create a comprehensive patient summary. NeHII is providing e-prescribing functionality, linking hospitals and provider with pharmacy services. NeHII offers physicians a basic, web-based electronic medical record (EMR) that is certified, so that providers who have not yet implemented electronic medical records can participate at an affordable price. Over 1800 users are currently participating in NeHII. Over 1.9 million patient records are available through the system. More information is available at www.nehii.org.

The Electronic Behavioral Health Information Network (eBHIN) is currently developing an eHealth network to exchange behavioral health information among behavioral health providers in the Region V Service area, with the applications offered to other Regions in the State as time and resources allow. eBHIN has implemented its electronic health record and is uploading information to Magellan, the Administrative Service Organization (ASO) which oversees the provision of mental health, substance abuse and gambling addiction treatment for eligible

children and adults. The health information exchange is scheduled to go live in early 2012 in Region V. Region I in the Panhandle will follow later in 2012. Planning is beginning for other regions. eBHIN and NeHII have developed an innovative consent process to allow for the release of health information exchange between the two exchanges.

The **Nebraska Statewide Telehealth Network** connects nearly all of the state's hospitals and all of the state's public health departments. The Nebraska Statewide Telehealth Network is used for patient consultations, teletrauma, teleradiology, continuing medical education, and other applications.

Wide River Technology Extension Center provides assistance to primary care physicians and critical access hospitals in implementing electronic health records. Nearly all of the state's rural primary care physicians are working with Wide River Technology Extension Center. Wide River Technology Extension Center has received funding through the Office of the National Coordinator for Health IT.

Metropolitan Community College is offering a health IT certificate through the Community College Consortium program funded by the Office of the National Coordinator for Health IT. Metropolitan Community College is a leader nationally in the number of students completing the program.

Benefits

Benefits of eHealth include:

- **Reducing medication errors.** More than 2 million adverse drug events could be prevented through e-prescribing, saving 4.5 billion annually and 190,000 hospitalizations per year.
- **Reducing health care waste.** Health IT adoption is estimated to save an average of \$42 billion annually during a 15-year adoption period.
- **Facilitating medical research.** Health IT can facilitate research on the effectiveness of new therapies and can accelerate the diffusion of health care knowledge.
- **Reducing variability in healthcare delivery and access.** Disparities exist in access to care and quality of care. Telehealth can provide access to specialists in rural areas. Clinical decision support systems can improve quality of care by providing treatment reminders at the point of care. Adults in the U.S. receive only about 55 percent of recommended care for a variety of common conditions. Clinical decision support systems have been shown to increase adherence to recommended care guidelines.
- **Empowering consumer involvement in health management.** Having access to medical histories as well as customized health education and guidance could increase consumer participation in their health maintenance and care.
- **Improving the identification and reporting of disease outbreaks and other public health threats.** One study found that the use of a countywide electronic system for public health reporting led to a 29% increase in cases of shigellosis identified and a 2.5 day decrease in reporting time.

Action Plan

Current Action Items

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

Lead: eHealth Council and Lt. Governor Sheehy

Participating Entities: eHealth Council, Lt. Governor Sheehy, NeHII, regional and specialty health information exchanges, and others.

Timeframe: 2012-2014

Funding: State HIE Cooperative Agreement Program

Status: Continuation

Status: Continuation

Discontinued 2010-2011

1. Develop a sustainable action plan to facilitate progress (present and future) in assuring privacy and security protections in the exchange of health information for and by each of our citizens.
2. Support efforts of the Nebraska Statewide Telehealth Network Governing Board to advocate for ongoing support for line charges for telehealth. Activities supporting this action item could include writing letters of support to policy makers as well as sharing information on this issue with policymakers.
3. Support efforts of the Nebraska Statewide Telehealth Network Governing Board to advocate for the reduction of barriers to connectivity posed by federal Universal Service Fund rules, regulations, and policies. Activities supporting this action item could include writing letters of support to policy makers as well as sharing information on this issue with policymakers. The eHealth Council will also explore the development of a position paper no longer than four pages in length which clarifies the issue, identifies barriers, specifies what action needs to be taken, and identifies opportunities that can be leveraged.

Completed Action Items (2008-2009)

1. Work with Lt. Governor Sheehy and other policymakers to develop a process to assess, evaluate and prioritize health IT activities (including statewide initiatives, proposed eHealth projects of the eHealth Council or other state entities, and eHealth components such as e-prescribing) in order to make funding recommendations. Criteria used to evaluate eHealth activities, will include return on investment (ROI) as well as additional evaluation criteria determined by the eHealth Council with input from policy makers.
2. Develop a plan and resources to inform citizens, health care providers, and other stakeholders about issues related to health information security and privacy and involve them in policy discussions.
3. The eHealth Council should ensure that an in-depth short-term study of existing laws and regulations, with guidance from representatives from the health professions, health educators and health organizations, be done in order to identify health information security and privacy and make recommendations.
4. Explore the optimal method for identifying clients in health information exchange.

Discontinued 2010-2011

1. Develop a sustainable action plan to facilitate progress (present and future) in assuring privacy and security protections in the exchange of health information for and by each of our citizens.
2. Support efforts of the Nebraska Statewide Telehealth Network Governing Board to advocate for ongoing support for line charges for telehealth. Activities supporting this action item could include writing letters of support to policy makers as well as sharing information on this issue with policymakers.
3. Support efforts of the Nebraska Statewide Telehealth Network Governing Board to advocate for the reduction of barriers to connectivity posed by federal Universal Service Fund rules, regulations, and policies. Activities supporting this action item could include writing letters of support to policy makers as well as sharing information on this issue with policymakers. The eHealth Council will also explore the development of a position paper no longer than four pages in length which clarifies the issue, identifies barriers, specifies what action needs to be taken, and identifies opportunities that can be leveraged.

Public Safety Communications System

2012-2014

Objective

- Implement the Nebraska statewide radio system and migrate state law enforcement and other state agencies onto the system. Create the system user group to educate, train and develop best practices for agencies using the system. Develop interoperability options for local agencies to enable cost-effective, functional, and reliable communications between state, local and public power agencies.

Description

The OCIO-Network Services Public Safety team coordinates project coordination, technical planning, and management of the Nebraska statewide radio system. This is in partnership with the Nebraska Public Power District, an equal owner and operator of the system. OCIO and NPPD jointly coordinate regular system user group meetings, and hold ongoing meetings with the system operating group concerning management, policies, and infrastructure planning.

State agencies are actively using the system for their communications while OCIO is coordinating with the agencies on decommissioning their old systems. Coverage, voice clarity, and ease of use have improved dramatically with the new system. OCIO and NPPD have ongoing discussions with local agencies and public power districts interested in participation on the system. OCIO is the lead contact for public safety agencies, while NPPD is the lead contact for utilities.

A System Operating Agreement outlines the management and operational practices OCIO and NPPD are developing in support of the OCIO-NPPD interlocal agreement to jointly own, operate and maintain the statewide radio system. The system operating group manages the system and coordinates the system user group to address ongoing system issues and improvements.

Next steps involve these major milestones:

- Complete the System Operating Agreement
- Complete the system policy, system management, and user guide documents

- Determine support resources needed from the system vendor (Motorola)
- Complete steps and resolve any outstanding issues to develop the system acceptance test plan to complete system acceptance.
- Continue developing planning steps to ensure successful migration of new user agencies.

Benefits

The system plan brings state agencies and NPPD on a single technology platform. The system improves radio coverage, technology, and capacity. The infrastructure is able to grow as additional agencies migrate to the system. The system leverages existing towers, network and personnel resources to the greatest degree feasible. Benefits of the system include:

- Reduces multiple agency systems to a consolidated shared infrastructure;
- Provides the ability for the State Patrol and other agencies to be interoperable; where old state systems lacked the necessary capacity and technology;
- Leverages existing state, local, and utility tower assets;
- Reduces the cost of the initial system through partnering with the state's largest utility provider;
- Enables participation opportunities for any public safety or public utility to use the system.

Action Plan

Current Action Items

1. CIO-Network Services is:

- Continuing to jointly develop with NPPD the operational and management aspects of the system.

Lead: OCIO-Network Services

Participating Entities: State Patrol, Nebraska Public Power District, Game and Parks Commission, State Fire Marshal's Office, Department of Correctional Services, Department of Agriculture, Department of Motor Vehicles, Nebraska Emergency Management Agency, Department of Roads, and several local and

federal agencies.

Timeframe: September 2011 – June 2012

Funding: State and NPPD share the cost of ownership, state agencies and other partner agencies pay the cost of operation through user fees. The system is self-sustaining.

Status: System is operational, ongoing management and operational planning.

Completed Action Items (2007-2011)

1. RFP requirements and procurement process (Completed March 2008)
2. Contracts in place to develop tower infrastructure, license frequencies and consulting assistance for RFP technical evaluations and implementation
3. Initiated regional leadership meeting to coordinate state and local interoperability planning in all regions of the state.
4. Conduct competitive bid process for the system. (Completed October 8, 2008)
5. Establish interoperability governance structure. (Completed December 2008)
6. System operational December 2010.
7. Participation plan and fee structure in place.
8. Levels of participation created for flexibility in migrating to the system.

Digital Education

2012-2014

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

This 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.

The initiative 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.

The Digital Education Initiative will recognize that many standalone and disparate software applications are needing to undergo integration and convergence so that an instructor can: 1) research digital content, 2) construct a lesson or unit on a computer in a series of virtual or face-to-face or videoconferencing activities using rich multimedia, 3) assess the learners electronically, and then 4) move the student data to a database or data warehouse, 5) export relevant achievement and attendance data to a web-based student information system so parents, or the students themselves, can view it from home; 6) export data to a statewide student information system; and then finally 7) make “real-time” instructional decisions based upon the recently documented progress of the learners.

The primary components of the Digital Education Initiative would include:

- A statewide telecommunications network with ample bandwidth capable of transporting voice, video, and data between and among all education entities [see Network Nebraska];
- Distance insensitive Internet pricing for all Nebraska education entities;
- Development of a statewide eLearning environment so that every teacher and every learner has access to a web-based, digital curriculum and learning management system;
- Development of a statewide digital resource library so that any teacher or learner will be able to retrieve digital media for use in instructional and student projects;
- Synchronous videoconferencing interconnections between all schools and colleges;
- The means to coordinate and facilitate essential education opportunities for all students through a statewide student information system; and
- Regional PreK-20 education cooperatives that vertically articulate educational programs and opportunities.

Benefits

Establishing a Digital Education Initiative is critical to Nebraska’s future. Internet has gone from a “nice to have” educational application of the 1990’s to the “must have” mission critical source of information for the 21st Century. So much of what teachers, students, and administrators do today is tied to Internet-

based information and communication. Although Nebraska's ranking of 'students per high speed, Internet-connected computer in the classroom' seems to compare favorably with the U.S. average, it still makes it challenging for students to complete their digital assignments when they are expected to share two or three students to a computer, or to wait their turn to be able to use a computer. Educators and administrators everywhere should continue to make technology investments until 1:1 computer or 1:1 Internet-connected device use is attained.

The benefits of the Digital Education Initiative would include:

- Greater technical capacity for schools and colleges to meet the increasing demands of a more diverse customer base;
- More equitable and affordable Internet access for Nebraska schools and colleges;
- A comprehensive Web-based approach to curriculum mapping and organization and automation of student assessment data gathering and depiction;
- The availability of rich, digital media to the desktop that is indexed to Nebraska standards, catalogued, and searchable by the educator or student;
- A more systematic approach to synchronous video distance learning that enables Nebraska schools and colleges to exchange more courses, staff development and training, and ad hoc learning opportunities.

Each of the components of the Digital Education Initiative is vital to future student success in Nebraska. The components are especially pertinent in that these applications and services provide the foundation for capacity building in our schools and colleges.

Current Action Items (2012-2014)

Promote the availability, distribution, and use of digital media throughout the Nebraska educational community.

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

Lead: ESU Coordinating Council

Participating Entities: NITC Education Council

Timeframe: 2012-2014

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

Status: Continuation with minor revisions

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

Lead: NITC Technical Panel

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

Timeframe: 2012-2014

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

Status: Continuation

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

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

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

Timeframe: 2012-2014

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

Status: Continuation

Action: Develop and deploy a statewide learning management system for every K-12 teacher and learner, grades 6-12, and to also train teachers in effective instructional design to integrate synchronous and asynchronous technologies.

Lead: ESU Coordinating Council

Participating Entities: NITC Education Council, ESU Technology Affiliate Group

Timeframe: 2012-2014

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

Status: Continuation with minor revisions

Action: Develop and deploy a statewide directory services structure that will enable students and teachers a single sign-on to associated learning management services and content management resources.

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

Participating Entities: ESU-NOC, ESU-iMAT

Timeframe: 2012-2014

Funding: Some funding will be required for this action item

Status: New

Completed Action Items

Action: Provide training and encourage all education providers to list all dual enrollment and concurrent enrollment courses, and all enrichment opportunities on the statewide clearinghouse and scheduling software system.

Lead: ESU Coordinating Council

Participating Entities: NITC Education Council, Higher education entities

Timeframe: 2010-2011

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

Status: Completed 2011

Action: Monitor the Nebraska Statewide Assessment System (NeSAS) and develop strategies that will assure its continued success and use of the most efficient and scalable technology infrastructure.

Lead: Technical Panel

Participating Entities: Education Council Services Task Group, ESU-NOC

Timeframe: 2010-2011

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

Status: Completed 2011

Discontinued Action Items

Action: Develop a business plan for Network Nebraska—Education to provide digital education resources statewide.

Lead: Education Council Marketing Task Group

Participating Entities: CAP, Network Nebraska Advisory Group, ESU Coordinating Council, ESUs

Timeframe: 2010-2011

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

Status: Discontinued 2011

State Government Efficiency

2012-2014

Objective

- To address multiple items improving efficiency in state government, including implementing enterprise shared services and adopting standards and guidelines.

Description

The primary components of this initiative are the implementation of shared services and the development of standards and guidelines.

Shared Services. The State Government Council has identified a number of potential shared services for state government. Action items are included for those services that are actively being reviewed and implemented.

Standards and Guidelines. The State Government Council, working with the Technical Panel, will continue to develop standards and guidelines to better coordinate state agency technology efforts.

Benefits

Benefits of this initiative include lower costs, easier interoperability among systems, greater data sharing, higher reliability, and improved services.

Action Plan

Current Action Items

Shared Services

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

Lead: Steve Schafer

Participating Entities: State Government Council, EM/PA Work Group

Timeframe: Ongoing

Funding: No funding required.

Status: Continuation. The Office of the CIO implemented several enterprise agreements during FY2011. An enterprise agreement with Adobe qualifies state agencies for a discount on Adobe products. On some products the savings are as much as 21%. Access to this discount will become easier after a new software reseller contract is in place, sometime in FY2012. On behalf of seven state agencies needing assistance with implementation of the state's enterprise content management system, the Office of the CIO entered into a "block time" services agreement with eDocument Resources that reduces the hourly cost of solution analysts by 32% (from \$180 per hour to \$123 per hour), by guaranteeing a minimum of 9,825 hours of work through February 2012. The annual agreement with IBM provided savings of \$213,749 in FY2011. The Microsoft Enterprise Agreement for Office and Windows licenses will save the Department of Health and Human Services \$317,530 per year and the Department of Roads \$42,336 per year, while giving all agencies access to software assurance and other benefits at a deeply discounted price. The Office of the CIO and the Materiel Division also began participating in the Premium Savings Package of the Western States Contracting Alliance (WSCA). This gives state agencies discounts on standard configurations of PCs and laptops of as much as 46% compared to normal pricing.

Several initiatives started in FY2011 will take effect in FY2012. These include new contracts for long distance service that will save agencies 14% on long distance calls and toll free calls with Windstream and 12% on use of Language Line interpretation services. The State of Nebraska has also become a participant in a recent WSCA contract for Software Value Added Reseller (VAR) Services. The new software reseller contract will be available sometime in the first half of FY2012. It will provide better pricing and streamlined purchases on an extensive list of software manufacturers and products.

2. Implement Geographic Information System (GIS) as a shared service.

Action: NebraskaMAP - a Geospatial Data Sharing and Web Services Network. Continue the development of the NebraskaMAP – an enterprise-level geospatial web portal, with Internet mapping and data services. A collaborative pilot project developed a NebraskaMAP working prototype designed to enable the users of Nebraska-related GIS/geospatial data to efficiently and reliably find, access, display, and build public information applications utilizing the geospatial data maintained by a wide variety of state, local and federal agencies and where appropriate, provide for a coordinated security system, including the possibility for limited data access and password protection. To sustain and enhance this successful collaborative endeavor, the development of a plan for providing on-

going administrative and technical support is critical.

Lead: NITC GIS Administrative Manager, Nebraska GIS Council

Participating Entities: State Government Council; GIS Council

Timeframe: December 31, 2013

Funding: The original two-year pilot project was funded with a mix of state and federal funding sources, with one-half coming from the NITC Government Technology Collaborative Fund. Unfortunately the end of the two-year pilot occurred in the midst of a significant state budget crunch. This has made it especially challenging to arrange for the funding required to provide on-going technical support for this collaborative effort. A second \$25,000 grant has been secured from the State Records Board to help pay software maintenance costs and some interim technical support costs. For the project to survive and prosper it will be necessary to identify sustainable funding for the dedicated technical support required.

Status: Continuation. Twelve state and local government agencies endorsed a Project Charter to indicate their support for, and partnership in, developing this online, enterprise-level GIS/geospatial data mapping and services portal. The OCIO was asked to be the lead agency for this collaborative project. Funding was secured for a two-year pilot project and through a contract between the OCIO and UNL a Project Manager was hired. A working prototype of this data sharing and web services portal was developed. The specialized online GIS server software was purchased and installed on OCIO servers along with the customized NebraskaMAP application. In addition to facilitating the location and access of GIS data, two initial applications/services were developed: serving statewide street centerline-address data (with a geocoding service) and serving statewide aerial imagery. With the end of the initial two-year pilot project funding, the Project Manager position was terminated. The prototype continues to function from its current home on the OCIO servers. However, with no dedicated technical support staff, the further development of the program is severely limited. The interagency NebraskaMAP Partners Committee is working with the OCIO and the GIS Council to explore avenues for sustainable funding for the necessary technical support. In the interim, some Partner agencies are lending technical personnel to help maintain the system.

Action: Street Centerline-Address Database. Update an existing statewide street centerline-address database with more recent data and develop a plan (including responsibilities and resource requirements) for the on-going

maintenance of a composite, “best available”, statewide street centerline/address database.

Lead: NITC GIS Administrative Manager, Nebraska GIS Council

Participating Entities: State Government Council; GIS Council

Timeframe: December 31, 2012

Funding: Limited development funding is potentially available through the State Patrol and its Fusion Center Project. Data development funding is on-going through Public Service Commission, Dept. of Roads, and several local governments.

Status: Continuation. An interagency working group of the GIS Council developed draft guidelines for the integration of street centerline-address data from multiple sources into a composite statewide dataset. The staff of the NebraskaMAP project, with limited funding available from NEMA and the State Patrol, developed an initial composite statewide dataset following these draft guidelines. This initial composite dataset was completed in early 2010 and it involved the integration of data from the Public Service Commission’s E911 efforts, Douglas, Sarpy and Lancaster Counties, and the Department of Roads. This dataset is now at least 1-½ years old and more current data has been developed from all of the original data providers. All of the original data providers are willing to share their more recent street centerline-address data. The challenges are to finalize a broadly accepted data model, identify a lead agency, find the funding required, and the development of the interagency agreements necessary to support the ongoing maintenance of this critical dataset.

Action: Metadata and State Geospatial Data Catalog. Document existing state agency GIS/geospatial data with formal metadata and encourage the listing of available geospatial data in NebraskaMAP.

Lead: NITC GIS Administrative Manager, Nebraska GIS Council

Participating Entities: State Government Council; GIS Council

Timeframe: December 31, 2013

Funding: Primarily supported through in-kind support of state and local agency personnel

Status: Continuation. The NITC has adopted a Geospatial Metadata Standard

http://www.nitc.state.ne.us/standards/data/metadata_standard_20050923.pdf), which calls for the progressive documentation of state agency geospatial data, within a one-year timeframe (originally by Sept. 2006). The Department of Natural Resources, in partnership with the Nebraska GIS Council, originally developed a Nebraska Geospatial Data Center, which included metadata development tools. More recently new online metadata develop tools have been integrated into the NebraskaMAP. Metadata training sessions have been held in Lincoln and Omaha. Despite the existence of the NITC standard requiring metadata, the availability of metadata development tools and training, there remains a large body of state agency GIS/geospatial data that has not been documented with metadata and has not been listed either on the Data Center Clearinghouse Catalog or the more recent NebraskaMAP portal. It is hoped that that development of the NebraskaMAP will help to further the development of metadata documentation, as metadata is a requirement for the functioning of the NebraskaMAP online data sharing tools.

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

Lead: NITC GIS Administrative Manager, Nebraska GIS Council

Participating Entities: State Government Council; GIS Council

Timeframe: December 2012

Funding: A \$50,000 strategic planning grant proposal has been awarded by the Federal Geographic Data Committee (FGDC) to the Office of the CIO on behalf of the Nebraska GIS Council. The majority of these grant funds are to be used to hire a planning consultant.

Status: Continuation. The GIS Council has endorsed a major outreach and planning effort to develop a new GIS/Geospatial Strategic Plan with the goal of facilitating the coordination and collaboration of the broader GIS user community in Nebraska. Due to a prioritization of other efforts, this strategic planning process has been delayed but will proceed in 2011-12. A Strategic Planning Advisory Committee has been established to oversee the process. An RFP for GIS Strategic Planning has been released and a contract has been signed with

Applied Geographics, Inc, a national consulting firm, to assist the GIS Council with this strategic planning effort. The GIS Council, through its Planning Advisory Committee, will lead this process but the active support of the NITC, the State Government Council and its member agencies will be very helpful.

Action: Planning for Periodic, Collaborative Orthoimagery Acquisition.

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. Most GIS applications require or benefit from the availability of current aerial imagery. 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.

Lead: NITC GIS Administrative Manager, Nebraska GIS Council

Participating Entities: GIS Council, state, local and federal government agencies

Timeframe: December 2012

Funding: It is believed that existing staff and resources will be sufficient to complete this planning process.

Status: Continuation. 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).

Action: Statewide Land Record Information System. 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 into 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.

Lead: NITC GIS Administrative Manager, Nebraska GIS Council

Participating Entities: GIS Council; Nebraska Association of County Officials; Department of Revenue, Property Assessment Division

Timeframe: December 31, 2012

Funding: Staffing resources are currently available to support the collaborative planning and standards/guidelines development. The initial hardware and software are available through the NebraskaMAP data sharing and web services network. As more detailed plans are developed related to the specifics of the architecture and protocols for an integrated land record system, additional resources maybe necessary to provide the technical support required to design and implement this system.

Status: New. NITC Land Record Information and Mapping Standards have been adopted with the goal of enabling the integration of local government land records into a statewide dataset. Current intergovernmental working group efforts are focused on developing guidelines for a common geodatabase model that would be freely available to local governments to adopt. The foundation for a decentralized data sharing and web services system has been established by the NebraskaMAP project. Local governments, state agencies, and the private sector need to be engaged in a collaborative planning process to define a shared vision of such a collaborative data sharing and integration system.

3. Explore opportunities and options relating to desktop and server virtualization in state government.

Lead: State Government Council

Participating Entities: State Government Council and Technical Panel

Timeframe: 2012

Funding: None

Status: New.

Standards and Guidelines

4. The State Government Council working with the Technical Panel will continue to develop standards and guidelines to better coordinate state agency technology efforts.

Lead: Rick Becker

Participating Entities: Technical Panel, State Government Council

Timeframe: Ongoing

Funding: None

Status: Ongoing. New and revised standards and guidelines adopted in 2010-2011: NITC 4-201: Web Branding and Policy Consistency; NITC 1-201: Agency Information Technology Plan Form; NITC 4-205: Social Media Guidelines; NITC 3-202: Land Record Information and Mapping Standard; NITC 5-204: Linking a Personal Portable Computing Device to the State Email System; NITC 5-102: Microsoft Enterprise Agreement – Home Use Program Policy; NITC 7-201: Network Edge Device Standard for Entities Choosing to Connect to Network Nebraska

Other

5. Review issues and determine process for maintaining an inventory of non-education state government technology assets, including hardware, applications, and databases.

Lead: Office of the CIO

Participating Entities: State Government Council

Timeframe: 2012

Funding: None

Status: Continuation

6. Provide access to OCIO electronic billing information for state agencies.

Lead: Steve Schafer

Participating Entities: Office of the CIO and State Government Council

Timeframe: 2012

Funding: None

Status: Continuation. Billing detail for all Office of the CIO services is now available electronically. This gives customers access to much more information in a more flexible format than previously available. Several agencies have allowed the Office of the CIO to end sending paper copies of the billing detail with the monthly invoice. The Office of the CIO will continue improving electronic access and eventually plans to eliminate paper copies for most state agencies.

7. Moving State email to the cloud.

Lead: Office of the CIO

Participating Entities: Office of the CIO and State Government Council

Timeframe: 2012

Funding: None

Status: New

Future Action Items

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

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

Completed Action Items (2007-2011)

- 1. New and revised standards and guidelines adopted:** [2007] NITC 8-303: Remote Access Standard; NITC 4-204: Emergency Information Page; NITC 8-304: Remote Administration of Internal Devices; NITC 8-103: Minimum Server Configuration; NITC 7-103: SMTP Routing Standard; NITC 7-102: DNS Forwarding Standard; NITC 8-101: Information Security Policy; NITC 8-102: Data Security Standard; NITC 8-301 Password Standard; and NITC 5-201: Email Policy for State Government Agencies. [2008-2009] NITC 1-101: Definitions; NITC 1-103: Waiver Policy; NITC 1-201: Agency Information Technology Plan; NITC 1-202: Project Review Process; NITC 1-203: Project Status Reporting; NITC 1-204: IT Procurement Review Policy; NITC 1-205: Enterprise Projects; NITC 5-202: Blocking Email Attachments; NITC 5-301: Use of Computer-based Fax Services by State Government Agencies; NITC 7-101: Acceptable Use Policy; NITC 7-403: Scheduling Standard for Synchronous Distance Learning and Videoconferencing; NITC 8-301: Password Standard; NITC 8-401: Incident Response and Reporting Standard. [2010-2011] NITC 4-201: Web Branding and Policy Consistency; NITC 1-201: Agency Information Technology Plan Form; NITC 4-205: Social Media Guidelines; NITC 3-202: Land Record Information and Mapping Standard; NITC 5-204: Linking a Personal Portable Computing Device to the State Email System; NITC 5-102: Microsoft Enterprise Agreement – Home Use Program Policy; NITC 7-201: Network Edge Device Standard for Entities Choosing to Connect to Network Nebraska
- 2. Review and revise procurement review process for IT related purchases by state agencies. (2007)**
- 3. Review options for integrating agency IT plans and IT project proposal forms into new budget system. (2007)**
- 4. Email shared service implementation. (2009)**
- 5. Video conferencing shared service implementation. (2009)**
- 6. Instant messaging shared service implementation. (2009)**
- 7. Review secure file transfer shared service options. (2009)**
- 8. RFP for contract vendors that provide temporary IT personnel. (2009)**
- 9. Review issues and determine process for project status reporting. (2009)**
- 10 GIS - Statewide LiDAR Acquisition. (2010)**
- 11. Implement enterprise content management (ECM) as a shared service. (2011)**
- 12. Implement interactive VRU applications as a shared service. (2011)**

E-Government

2012-2014

Objective

- To further the use of e-government to improve services and increase the efficiency and effectiveness of agencies.

Description

The three goals for e-government are:

- **Government-to-Citizen and Government-to-Business.** Anyone needing to do business with state government will be able to go to the state's Web site, easily find the information or service they need, and if they desire, complete all appropriate transactions electronically. Areas to be addressed include citizen portal enhancement; business portal enhancements; education portal; and forms automation.
- **Government-to-Government.** State agencies will improve services and increase the efficiency and effectiveness of government operations through collaboration, communication, and data sharing between government agencies at all levels.
- **Government-to-Employee and Internal Operations.** Agencies will examine internal operations to determine cost-effective e-government applications and solutions. The purpose of these efforts is to improve efficiency and effectiveness by replacing manual operations with automated techniques.

The e-government principles guiding the council are:

- E-government should be considered a continuous process of using technology to serve citizens and improve agency operations;
- Internet technologies create new opportunities for major change, including self-service, integration of information and services, and elimination of time, distance and availability of staff as constraints to providing information and services;
- Agencies have responsibility for performing statutory functions, which means that agency directors must retain ownership of data, responsibility over the use of information technology, and prioritization of projects within the agency to achieve

the greatest benefit;

- Cooperation is critical to achieving the goals of e-government, in order to integrate information and services and allow the easy exchange of information;
- An enterprise approach is essential to e-government, including the topics of accessibility for disabled persons, architecture, directories, funding, portal, privacy, security, and other issues; and
- E-government is defined as the use of technology to enhance information sharing, service delivery, constituency and client participation, and governance by transforming internal and external relationships.

Benefits

The primary benefits from the use of e-government are:

- Improved services for citizens and businesses.
- Increased efficiency and effectiveness for agencies.

Action Plan

Current Action Items

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

Lead: State Government Council

Participating Entities: Office of the CIO, Webmasters Workgroup

Timeframe: Ongoing

Funding: None

Status: Revised.

2. Provide for better access to information and services from the OCIO by providing services through an online Apps Catalog and Store.

Lead: Steve Schafer

Participating Entities: Office of the CIO, State Government Council

Timeframe: 2012

Funding: To be determined.

Status: Continuation.

3. Maintain the Education Portal on the State of Nebraska website.

Lead: Nebraska.gov (Nebraska Interactive LLC)

Participating Entities: Education Council

Timeframe: Ongoing

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

Status: Continuation.

Future Action Items

1. Work with the Nebraska.gov Manager and county officials to provide the means for online payment of property taxes and other local fees. This system is currently being provided by NACO/MIPS. Nebraska.gov will consider the cost benefit of moving forward with this project.
2. Work with the Nebraska State Patrol to review options for providing online access to certain, limited, criminal history information.
3. Develop an online application for use by businesses attempting to find a suitable site for business development.
4. Develop strategies to address the following government-to-government activities:
 - Intergovernmental Cooperation Groups. Expand upon current intergovernmental cooperative efforts like the CJIS Advisory Committee and the GIS Council; and develop new cooperative groups for those agencies that have specific, shared interests.
 - Integration of Government Information and Services. Develop strategies for using Internet technologies to provide integrated access to information and services to

citizens, businesses, employees, and other governmental entities.

- Forms Automation. Work with state agencies and political subdivisions to identify and prioritize opportunities for automating forms that local government uses to interact with state government.

5. The State Government Council will identify specific improvements and value-added services to be incorporated into the state employee portal.

6. Develop method of providing authentication for “first time” users.

Completed Action Items (2007-2011)

1. Phase 1 of the online business registration project was completed in November 2007 with the creation of the Nebraska One-Stop Business Registration Information System website (<https://www.nebraska.gov/osbr/>).

2. Department of Motor Vehicles provided for online specialty plate ordering in March 2008.

3. Phase 2 of the online business registration project was completed in January 2009. In December of 2008, new code was launched, giving One Stop users the option to create a basic account allowing them to save their business start up checklist, and to file online. In January of 2009 the first online filings were integrated. The Office of the Secretary of State’s Business Division accepted its first corporate filings online through the system, LLC Biennial Reports and LLP Annual reports.

4. Department of Motor Vehicles provided for online vehicle registration renewals in December 2008.

5. Department of Motor Vehicles provided for online driver license renewals in April 2010.

6. Nebraska Judicial System developed mobile apps for the Nebraska Court Calendar in December 2010.

7. Nebraska Internship website launched by the Department of Economic Development in August 2011.

Security and Business Resumption

2012-2014

Objective

- To define and clarify policies, standards and guidelines, and responsibilities related to the security of the state's information technology resources.

Description

Information security serves statutory goals pertaining to government operations and public records. These include:

- Insure continuity of government operations (Article III, Section 29 of the Nebraska Constitution; Neb. Rev. Stat. § 28-901 and 84-1201);
- Protect safety and integrity of public records (Neb. Rev. Stat. § 28-911, 29-2391, and 84-1201);
- Prevent unauthorized access to public records (Neb. Rev. Stat. § 29-319, 81-1117.02, and 84-712.02);
- Insure proper use of communications facilities (Neb. Rev. Stat. § Section 81-1117.02); and
- Protect privacy of citizens (Neb. Rev. Stat. § 84, Article 7).

Major activities include:

- Development of an overall security strategy, including policies, security awareness, and security infrastructure improvements;
- Network security standards and guidelines;
- Education and training;
- Authentication (directory services);
- Disaster recovery for information technology systems (as part of a broader business continuity planning);

- Compliance with federal privacy and security mandates;
- Security assessments.

Benefits

Benefits will include lower costs by addressing security from an enterprise perspective, cost avoidance, and protecting the public trust.

Action Plan

Current Action Items

Security

1. Review and revise policies and procedures relating to identity management and directory services.

Lead: State Information Security Officer

Participating Entities: State Government Council, Security Work Group

Timeframe: 2011-2012

Funding: No funding required.

Status: Continuation

2. Develop policies and standards relating to the hosting of State data by vendors.

Lead: State Information Security Officer

Participating Entities: State Government Council, Security Work Group

Timeframe: 2011-2012

Funding: No funding required.

Status: New

Business Resumption

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

Lead: Office of the CIO and University of Nebraska

Participating Entities: State Government Council

Timeframe: Ongoing

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

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

- Established a fiber optic communications link between the University and State enterprise server primary sites located in Lincoln and an alternate site that provides greater geographic separation.
- Acquired and implemented an enterprise server that can provide backup and execute assigned processing loads.

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

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

- Develop plans and procedures for fast recovery capability using the mutual assistance of physically separated data centers.
- Develop a capabilities-based all-hazards approach to a multi-year exercise program to evaluate plans, procedures and infrastructure associated with the alternate site. The purpose of this exercise program will be to measure and validate performance of capabilities and critical tasks.

- Maintain and exercise the operating system on the enterprise server to insure compatibility between locations.
- Identify business applications to be tested and operated from the alternate location.

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

Lead: Jim Ohmberger / Mark Robertson

Participating Entities: State Government Council

Timeframe: Ongoing

Funding: No funding required.

Status: Continuation. The Director-level meetings, chaired by Lt. Governor Sheehy, identified critical business functions and categorized them into one of three categories: public safety, public health and institutional care. Progress has been made with public safety (lead by Nebraska State Patrol) in identifying:

- The agencies that work together in the public safety domain
- The data the partners use to complete their work
- The IT infrastructure used to support the data

Initial kick-off meetings have been held with public health (lead by Department of Health and Human Services) to identify the same items. Work continues with Nebraska Emergency Management Agency to understand and refine the implementation of the incident command system and its interactions with the State EOC. Work to integrate continuity of operations, disaster recovery, emergency operations and emergency action plans will be advanced by establishing a working group within the State Government Council.

Completed Action Items (2007-2011)

Security

- 1. Conduct annual independent security audits. (2008)**

2. Enhance Network Security and Network Management.

Action: Investigate and recommend an enterprise solution to ensure that encrypted traffic adheres to State security requirements. **Status:** Completed. Migration of all Avaya firewalls to the Fortinet infrastructure. (2008)

Action: Evaluate and recommend options for providing encryption to clients across the state's Wide Area Network. **Status:** Completed. The State of Nebraska has entered into a contract with PGP for whole disk encryption. (2008)

Action: Evaluate and recommend options for providing compliance auditing across the state's Wide Area Network. **Status:** Completed. The State of Nebraska has purchased Cisco's Compliance Manager and has been attending training classes for staff. (2008)

3. Implement security incident response team. NSP has lead with State IT resources as needed. (2010)

4. Develop policies and procedures governing the use of mobile devices on the state network and review and make recommendations on the use of personal devices on the state network. (2011)

Business Resumption

5. Encourage testing and updating of disaster plans. The Continuity of Operations Planning/Disaster Recovery Planning Shared Services Group worked to develop and act on ways to better coordinate disaster recovery planning and to provide for more consistent disaster recovery plans. **Status:** Completed. An NITC standard ("Information Technology Disaster Recovery Plan Standard") has been put in place. Work has been completed to better understand disaster recovery plan assumptions and dependencies. (2008)