NEBRASKA INFORMATION TECHNOLOGY COMMISSION
Wednesday, April 2, 2014, 1:30 p.m.
University of Nebraska-Lincoln
Varner Hall-Board Room
3835 Holdrege Street, Lincoln, Nebraska
Video Conference Site [NEB. REV. STAT. § 84-1411(6) - Public Participation]
University of Nebraska-Kearney
Founders Hall - Warner Conference Room
2504 9th Avenue, Kearney, Nebraska
MINUTES

MEMBERS PRESENT:
Lieutenant Governor Lavon Heidemann, Chair
Pat Flanagan, PM Managed Services – CoSentry, LLC
Donna Hammack, Saint Elizabeth Foundation
Dr. Dan Hoesing, Superintendent, Schuyler Community Schools
Brad Moline, Allo Communications

MEMBERS ABSENT: Senator Dan Watermeier (non-voting); Mike Huggenberger, Director-Netlink, Great Plains Communications; and Dan Shundoff, Intellicom

MEMBERS PRESENT AT THE PUBLIC PARTICIPATION SITES: Doug Kristensen, JD, Chancellor, University of Nebraska-Kearney and Lance Hedquist, City Administrator, South Sioux City

ROLL CALL, NOTICE OF MEETING & OPEN MEETINGS ACT INFORMATION

Lt. Governor Heidemann called the meeting to order at 1:32 p.m. Roll call was taken. There were five voting members physically present at Varner Hall at the time of roll call. A quorum was present. The meeting notice was posted to the NITC website and the Nebraska Public Meeting Calendar on March 4, 2014. The agenda was posted to the NITC website on March 26, 2014. A poster of the Open Meetings Act was available on the south wall of the Board Room.

APPROVAL OF MINUTES – DECEMBER 10, 2013 MINUTES*

Commissioner Flanagan moved to approve the December 10, 2013 minutes as presented. Commissioner Hammack seconded. Roll call vote: Heidemann-Yes, Flanagan-Yes, Hammack-Yes, Hoesing-Yes, and Moline-Yes. Results: Yes-5, No-0, Abstained-0. Motion carried.

PUBLIC COMMENT

There were no public comments.

REPORT - COMMUNITY COUNCIL REPORT
Anne Byers, Community I.T. Manager

Survey of Nebraska Businesses on Broadband Use. Last fall, a survey was sent to 10,000 Nebraska businesses to learn more about their use of broadband technologies. The survey was conducted by Strategic Networks Group for the Nebraska Broadband Initiative. Results are based on 1,124 responses. Two key findings in the survey address job and revenue growth:
- Broadband use is having a positive impact on jobs, with 364 respondents reporting a net increase of 654 jobs due to using the Internet. Over 50 percent of net jobs reported by respondents were attributed to use of the Internet.
- Broadband use is also having a positive impact on business revenue with typical respondents reporting 25 to 45 percent of revenue from the Internet.

Other key findings include:

- Nebraska businesses on average are utilizing 13 out of 17 Internet applications and processes.
- Mobile devices and access are becoming increasingly important to Nebraskans.
- Broadband utilization varies by employment size, region and community size and industry.

Security and privacy concerns are bigger barriers to adoption of broadband technologies than the speed of available Internet service.
- Security and privacy concerns were the most significant barriers with 56% of respondents citing security concerns and 46% citing privacy concerns as very important.
- Sixteen percent of respondents cited connection speed as a very important barrier to Internet utilization.

The complete report, *Nebraska Broadband eSolutions Benchmarking Report: Utilizations and Impacts of Broadband for Nebraska Businesses* is available at broadband.nebraska.gov.

Broadband Plan Update

Ms. Byers gave an update on the state broadband plan, including the vision and goals.

Vision: Nebraska's broadband vision is that residents, businesses, government entities, community partners, and visitors have access to affordable broadband service and have the necessary skills to effectively utilize broadband technologies.
- Goal 1: To increase economic development opportunities, create good-paying jobs, attract and retain population, overcome the barriers of distance, and enhance quality of life in Nebraska by facilitating the continuing deployment of broadband technologies which meet the need for increasing connection speeds.
- Goal 2: To facilitate digital literacy and the widespread adoption of broadband technologies in business, agriculture, health care, education, government and by individual Nebraskans.

Broadband availability points of interests:
- Broadband is available to nearly all Nebraskans.
- Broadband availability in Nebraska improved between 2010 and 2013. Some areas of the state remain unserved, however.
- Nearly all Nebraska businesses have broadband access, and 75% of businesses are satisfied with their broadband service.
- Network Nebraska-Education has enabled the exchange of video distance learning classes and decreased the cost of commodity Internet for participating K-12 entities.
- The Library Broadband Builds Nebraska Communities BTOP grant significantly improved the capacity of libraries in Nebraska to provide public access to computers and broadband.
- The Nebraska Statewide Telehealth Network connects nearly all of the state's hospitals and all of the state's public health departments.
- As more hospitals, physicians, and other health care providers participate in health information exchange through NeHII or eBHIN, the demand for reliable broadband will likely increase.
- Mobile connections are becoming increasingly important to residents and businesses.

REPORT - EHEALTH COUNCIL
Anne Byers, Community I.T. Manager

State HIE Cooperative Agreement. The State HIE Cooperative Agreement ended on March 14, 2014. During the four years of the grant, we have seen the number of NeHII users grow from 464 to 3,590 and the number of participating hospitals in Nebraska grow from 8 to 22. The number of patients in the NeHII's Master Patient Index has grown from 1.5 million to 2.7 million. The Electronic Behavioral Health Information Network (eBHIN) is one of the country's first behavioral health networks and now has 565 users in the Omaha area (Region 6) and southeast Nebraska (Region 5). Metrics for NeHII and eBHIN are included in the meeting materials. The final evaluation of the grant will be completed by the evaluation team from UNMC by April 14, 2014.

Commissioner Flanagan commended Ms. Byers for her efforts in this accomplishment. Nebraska is far ahead of other states in regard to eHealth.

Membership*. NeHII has nominated Kevin Conway to represent NeHII on the eHealth Council, replacing Ken Lawonn who has accepted a position in San Diego. His bio is included in the meeting materials. Ms. Byers requested approval of Kevin Conway's nomination.

Commissioner Hammack moved to approve the nomination of [Kevin Conway](#) as a new member of the eHealth Council. Commissioner Moline seconded. Roll call vote: Heidemann-Yes, Flanagan-Yes, Hammack-Yes, Hoesing-Yes, and Moline-Yes. Results: Yes-5, No-0, Abstained-0. Motion carried.

REPORT - EDUCATION COUNCIL
Tom Rolfes, Education I.T. Manager

Mr. Rolfes voiced appreciation that Network Nebraska was acknowledged in the broadband study. The Education Council has met twice since the last NITC meeting. The next Council meeting is scheduled for April 16th. The Task groups continue to work on the NITC action items. Many of the Council's action items deal with the Digital Education Initiative and are part of statewide BlendEd endeavors. The Council has been following two legislative bills. One bill pertains to the Nebraska Education Improvement Fund and the other pertains to developing a strategic plan for education.

- LB497: Sec. 3. The Education Committee of the Legislature shall conduct a study of potential uses of the funds dedicated to education from proceeds of the lottery conducted pursuant to the State Lottery Act. The committee shall submit a report electronically on the findings and any recommendations to the Clerk of the Legislature on or before December 31, 2014. Factors the study shall consider, but not be limited to, include: (1) The educational priorities of the state; (2) What types of educational activities are suited to being funded by state lottery funds as opposed to state general funds; (3) Whether state lottery funds should be used for significant projects requiring temporary funding or to sustain ongoing activities; and (4) Whether periodic reviews of the use of lottery funds for education should be scheduled.

- LB1103: Sec. 2. The Education Committee of the Legislature shall conduct a strategic planning process to create the statewide vision for education in Nebraska described in section 1 of this act which shall include aspirational goals, visionary objectives, meaningful priorities, and practical strategies. The committee or subcommittees thereof may conduct meetings, work sessions, and focus groups with individuals and representatives of educational interests, taxpayer groups, the business community, or any other interested entities. The committee shall also hold at least three public hearings to receive testimony from the general public in locations that represent a variety of educational situations. The committee shall submit a report regarding such process electronically to the Clerk of the Legislature on or before December 31, 2014.

The Education Council members have expressed that they consider Network Nebraska a huge success and that the project has caused significant cost savings for school districts and colleges. The Education Council would like to prepare a document about Network Nebraska for use by the Legislature's Education Committee as it convenes the studies related to LBs 497 and 1103. The Council will present them to the NITC at the summer meeting for review and approval.

[Network Nebraska Update](#). RFP 4582 went out for bid and 8 contracts were awarded involving 29 circuits. The FCC is proposing major E-rate changes in regard to support for voice and telephone services for schools and libraries, enhancement of broadband, as well as additional support for consortiums. One possible option the FCC is exploring is to reduce the number of eligible services so that more money can be shared by more entities. This could greatly affect Network Nebraska depending upon the final Order which is expected to be released in late summer of 2014. The Office of the CIO files for E-Rate on behalf of all Nebraska schools participating in Network Nebraska-Education. The FCC is in the process of receiving public comments which are due on Monday, April 7. Mr. Rolfes will keep the Commission updated.

Commissioner Hoesing commented that E-rate reform is a great concern for school districts across the state and that getting broadband to the home is becoming more and more important. Commissioner Moline stated that the statewide consortium is very beneficial from the provider's perspective in opening up competitive bidding and having fewer points of contact for wide area network circuits. Since he started in 2005, the size of the circuits and the efficiency of the network has greatly improved.

Membership*. Jeff Stanley, representing Boards of Education, has resigned from the Education Council. Darren Oestmann has been nominated to replace Mr. Stanley on the Education Council to represent Boards of Education. Mr. Rolfes requested approval of Darren Oestmann's nomination.

Commissioner Hoesing moved to approve the nomination of Darren Oestmann as a new member of the Education Council. Commissioner Moline seconded. Roll call vote: Moline-Yes, Hoesing-Yes, Hammack-Yes, Flanagan-Yes, and Heidemann-Yes. Results: Yes-5, No-0, Abstained-0. Motion carried.

REPORT - GIS COUNCIL
Nathan Watermeier, State GIS Coordinator

Since the last NITC meeting, the Council has a new Chair and Vice-Chair for 2014:
- The Chair is Josh Lear from the Nebraska Department of Natural Resources. The Council's bylaws stipulate that the Vice Chair will assume the role of Chair.
- The newly elected Vice-Chair is Bill Wehling from the Nebraska Department of Roads.

Action Item Updates

Survey and Geodetic Control. An ad hoc group of state agency representatives led by the State Surveyor has a report drafted which will be submitted to the GIS Council for review at the April 16 meeting. The report provides an inventory and assessment of the current survey and geodetic control data based on various criteria for its use in the development of other NESDI framework layers. It provides recommendations on use and further development of survey and geodetic control data, education and training needs, and methods and linkages through data sharing to communicate and provide access to relevant data to users and stakeholders.

Defining the Nebraska Spatial Data Infrastructure (NESDI). A document is currently in development defining NESDI. The GIS Council Chair, Vice Chair, and State GIS Coordinator have been meeting weekly since the start of the year to discuss and develop a draft white paper for the NESDI. The definition and role for the NESDI is more than just data layers. A priority effort for the successful implementation of the NESDI is to define the specific datasets that comprise the NESDI, associated standards, their relationships to all of the other layers in the NESDI, and how they will be presented for public consumption. The document has been broken into the following components:
- Policies and Institutional Arrangements - Governance, management, data privacy, security, data sharing, financial and resource allocation, cost recovery
- Data Stewardship – Roles, responsibilities, cooperation
- Infrastructure - Data framework layers, technology, and networks
- Education – Training, education outreach, technical assistance

Standards Update

Standards have been drafted for Elevation Acquisition using LiDAR, Street Centerline, and Address points. They will be submitted to the GIS Council for approval at the April meeting. The standards provide a consistent structure for data producers and users to ensure compatibility of datasets within the same framework layer and when used between other Nebraska Spatial Data Infrastructure (NESDI) framework layers.

NITC 3-203 Elevation Acquisition Using LiDAR
> These standards are intended for entities participating in collaborative efforts to acquire airborne LiDAR (Light Detection and Ranging) elevations that may contribute to a comprehensive statewide elevation dataset in Nebraska. The basis for the standards is derived from the U.S. Geological Survey

(USGS) National Geospatial Program's (NGP) LiDAR Base Specification Version 1.0. In addition, it emphasizes particular requirements and needs for Nebraska that are not available in USGS standards and where additional clarity is needed.

NITC 3-205 Street Centerline and NITC 3-206 Address

These standards provide requirements necessary for the creation, development, delivery, and maintenance of a statewide Nebraska Street Centerline Database (NSCD) and Nebraska Address Database (NAD). Both standards have a direct correlation to one another. There are many applications that use street centerline and address point data. These standards will enable the data to be integrated not only with 9-1-1 but with existing state road network and address databases, routing services, emergency management, and public safety. Address points furthermore support state agency needs in contact database, tax assessment and enhancing the state's enterprise geocoding application databases. The standards are compatible with the National Emergency Number Association (NENA) standards for NG9-1-1 and are backwards compatible to enhanced 9-1-1. These standards are also being recommended in another GIS Council goal to develop NG9-1-1 GIS and Geospatial Data Recommendations.

NITC 3-204 Imagery

A draft specifications document has been completed and will be modified for a standards document. The
Imagery working group has currently established guidelines for future statewide aerial imagery (i.e., Digital Ortho Quarter Quadrangles (DOQQs)) acquisition that meet verified minimum horizontal accuracy requirements for a spatial resolution of twelve (12) inch, preferably flown during the "leaf-off" period for trees. Currently, there is little available imagery in much of the rural areas in the state that meet this requirement. The latest version of free imagery provided by the USDA Farm Services Agency in 2012 is at one (1) meter. Many larger municipalities and other cities in Nebraska have collected nine (9) inch or better in 2013. The requirements from NENA are also driving the need for greater spatial accuracy of imagery in order to meet needs to develop and create street centerline and address points.

Other Standards

There are currently two other standards that were originally developed and will be updated following the other standards completion. These include 3-201 Geospatial Metadata (http://nitc.ne.gov/standards/3-201.html) and 3-202 Land Record Information and Mapping (http://nitc.ne.gov/standards/3-202.html).

REPORT - TECHNICAL PANEL
Walter Weir, Chair

Membership*. Rick Golden, who currently serves as Mr. Weir's alternate on the Technical Panel, is retiring from the University of Nebraska. He has been instrumental with the development and implementation of Network Nebraska and other IT projects. Mr. Weir requested approval of the nomination of Don Milhulka to serve as Walter Weir's alternate.

Commissioner Moline moved to approve the nomination of Don Milhulka. Commissioner Hammack seconded. Roll call vote: Heidemann-Yes, Flanagan-Yes, Hammack-Yes, Hoesing-Yes, and Moline-Yes. Results: Yes-5, No-0, Abstained-0. Motion carried.

Enterprise Projects - Status Report
Andy Weekly

Mr. Weekly provided a brief overview of the projects status report. As suggested by the Commissioners, Mr. Weekly improved the Enterprise Project Status Report to provide the name of the project, along with the definition of the acronyms in the report, or omitted them completely. Per the Commission's request, the report also included a project description as well as funding and budget information.   The NITC website URL was provided as a link to the projects, reports, and lessons learned.

INFORMATIONAL UPDATES
Brenda Decker, Chief Information Officer, State of Nebraska

9th [Annual Nebraska Cyber Security Conference](#). The conference will be held on June 3, 2014 at the Southeast Community College Continuing Education Center in Lincoln.   SCC is one of the sponsors. State agency personnel can attend free. There will be several training sessions with a technical focus.

OCIO/NETC Open House. The Office of the CIO and the Nebraska Educational Telecommunications Commission held an open house last week for state and university employees. The open house was held to showcase capabilities to communicate with constituents across the state and country through the various types of technology offered by the two organizations.

NITC Awareness. This Legislative session has shown that there is a significant awareness of the NITC and the work that has been accomplished. Several bills introduced mention the Office of the CIO or the NITC. One bill of significant note was LB 919 introduced to create the Open Data Advisory Board. The intent of the Open Data Advisory legislation is to determine how the state can become more transparent and produce more data and opportunities for citizens to access data that can be used for economic development and reports. Although the bill has did not come out of committee, this is a topic we anticipate that the State Government Council will be looking at prior to the next session.

Preparedness. In the category of preparedness, the Office of the CIO participated in the NextGen911 study initiated by the Legislature and managed through the Public Service Commission. The final report has been delivered to the Legislature. Additionally, the Office of the CIO continues to work with the University of Nebraska and other partners to ensure that our systems have redundancy and backup data.

Data Centers Discussions. The Office of the CIO, along with the University of Nebraska and the City of Lincoln, have been in numerous discussions regarding the future of data centers. We are approaching the discussion in relation to where we want to be in 5 or 10 years. Topics and issues of discussion have included data centers versus the cloud, public cloud versus private cloud, concerns of cybersecurity, and utility costs.

NITC COMMISSIONERS

Departing Commissioners. Dr. Dan Hoesing, Doug Kristensen, Lance Hedquist, Pat Flanagan, and Mike Huggenberger have served two four-year terms and in accordance with statute, are now departing the Commission. Ms. Decker provided a brief overview of what the Commissioners have accomplished during their eight year appointment:
- Prioritized and recommended funding fifty-two (52) I.T. projects totaling $756,000,000.
- The Commission has overseen 14 different enterprise projects.
- Network Nebraska's participation increased to 100% of Educational Service Units, 94% of public K-12 districts, 100% of public higher education, and 50% of private higher education institutions.
- The Commissioners approved implementation of a Talent Management Human Resource system for Nebraska State Government.
- Nebraska state government went from 30 different email systems to one email for ALL employees with the exception of the Legislature. Nebraska's eHealth grant is one of the top eHealth projects in the county and has gained national recognition.
  The Public Safety Statewide Radio System was built and implemented, and currently is operating statewide with interoperability being accomplished in many areas of the State. The system meets the coverage requirements of 95% coverage.

Commissioners were presented with a plaque of appreciation and each were given an opportunity to make some final comments.

Newly Appointed Commissioners. Lt. Governor Heidemann introduced two of the four new Commissioners who were in attendance:

- Walter Weir from Lincoln who will represent postsecondary education
- Dorest Harvey from Omaha who will represent the general public

Not present but also announced as new Commissioners were:
- Randy Meininger from Scottsbluff who will represent communities;
- Gary Warren from Aurora who will represent the general public.

In addition, Commissioner Dan Shundoff was re-appointed for a second 4-year term.

ADJOURNMENT

With no further business, Commissioner Flanagan moved to adjourn. Commissioner Hoesing seconded. All were in favor. Motion carried. The meeting was adjourned at 3:20 p.m.

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