



Meeting Summary

Strategic Initiative Action Items

Geodetic and Survey Control – Mr. Cobb provided updates to the LDP project and provided two web resources LDP Project: <https://neblldpproject.blogspot.com/> and the PLSS Database <http://www.sso.nebraska.gov/nescdb/nesc.html>. These resources provide more information on how to use the LDP and how to upload data to their office.

Elevation - The South Platte flight project has been completed. The contract for the Sand Hills Project has been finalized with the support of many local, state and federal partners. The Natural Resources Conservation Service was the largest driver and contributor to the program. Local entities including various Natural Resource Districts and state agencies such as DNR, NDOR, and DEQ contributed. The Eastern Nebraska Urban 3DEP project is expected to start data acquisition in March 2017 with deliverables scheduled for late Fall. The state is working on the statewide LiDAR data holdings to begin inventoring and sending data over to the state's Geospatial/GIS Enterprise file server.

Imagery – Imagery business plan themes were presented and discussed. Council members were requested to submit their comments back to Mr. Watermeier by October 1 so he can begin drafting the business plan. There are two components being addressed with the program, the business plan itself and the procurement process. The core product for the imagery program is a statewide orthoimage that has a 12 inch resolution, "leaf off" and meeting other specifications in the state standards. There is a need to purchase an orthoimagery product to meet necessary federal and state standards. This supports efforts such as NG9-1-1 requirements in order to derive street centerlines, boundaries, and address points from a high resolution orthoimage.

Land Records - The Nebraska Parcel Geodatabase will begin planning updates in December of 2016. The Secretary of State Records Board grants applications are due September 17, 2016. This opportunity has supported the digitizing of land records in the past for several counties.

Street Centerline and Address – High level business plan themes were presented and discussed. Council members were requested to submit their comments back to Mr. Watermeier by October 1 so the working group can start on the business plan. The implementation plan addresses standardized data models and work flow, maintenance of data, local data stewards and authority and what their responsibilities are. The Council will also need to make recommendations in places where there are no local data stewards and who should have the oversight to make sure it is done. Through the LB 938 process, it is the intent of this working group and business plan to be incorporated into the overall master plan to legislation. As we build the business plan we need to be aware of other stakeholders who need to be involved in these efforts. The state standards and follow through to federal standards such as the National Emergency Number Association (NENA) will be followed.

Boundaries - A consortium of states (i.e., MAGIC) have implemented a regional boundary assessment project. This includes the current composition of municipality, county, and state boundaries. This includes evaluating authoritative boundaries in terms of attribution, data schema/models, workflows from development to statewide aggregation, data stewardship, and applications. These findings will assist in developing best practices and minimum set of requirements so that states can use towards standardization of data schema/models, data aggregation workflows. It was also suggested to begin formalizing a GIS Council work group for boundaries. If any GIS Council member is interested in working on this issue please contact Mr. Watermeier.

NebraskaMAP - The updated Metadata Standards was approved by the NITC at the July 14, 2016 meeting. The new NebraskaMAP website was launched in July 2016. There are currently more than 40 data sets and 147 different data layers. During the first three weeks there more than 3,000 unique visitors with specific attention to map viewers for Nebraska broadband, parks, flood plain management, and bridges. Holly West, OCIO Public Information Officer, was introduced to the Council. Ms. West will also be developing a video as well to promote NebraskaMAP. GIS Week is November 13-19 and there will be a map gallery event sponsored by the Nebraska GIS LIS Association. A program and training are slated for state agencies on Nov. 16-17.

Census 2020

A draft MOU has been started with the U.S. Census for formalizing data sharing with statewide aggregation of various data

layers including boundaries, street centerlines, address points, and other landmarks. The Work Group will be meeting next week and will expand the group to include boundaries.

State GIS Enterprise

The Office of the CIO has been discussing cloud strategy to handle the large GIS data sets for more affordable storage. The CIO is exploring this as part of the current IT consolidation plan. Mr. Watermeier has met and gathered costs and information from various third party cloud hosting providers. An inventory process is being developed as the data is consolidated within the Enterprise system. A project management timeline with tasks have been developed and will begin to meet with agencies later this fall to begin further consolidation efforts. The statewide Esri master purchase agreement has been completed and is available to use.

Federal Initiative and News

A follow-up was provided on the National Address Database Pilot Project and the National Parcels Summit. These efforts begin to address the role of the federal government and exchange of data with the states as it relates to addresses and parcels. NISGIC will hold its fall meeting October 24-28 in Indianapolis. The organization will be celebrating 25 years. Jim Merchant assisted in the formation of this organization.

Updates from Agencies

The NG911 Project is moving along and initial staff have been hired. Dave Sankey is the 911 Director. The project will also be hiring a GIS position.

Membership

Nominations have been submitted to the Governor but have not received a response yet. Nominations for Vice Chair are open and will be ready for vote at the November meeting. Please send nominations to Mr. Watermeier up to the time of nominations closing at the November meeting.

Motions

Motions Carried:

- The June 1 minutes were approved.

Motions Failed:

There were no motions.

I. Roll Call and Quorum

Members Present: * *Authorized to Vote*

- * Tim Cielocha, Public Power Districts, Chair
- * *Jon Kraai*, Nebraska State Patrol, Vice Chair
- * John Beran, State Surveyor (Steve Cobb also present)
- * *Chad Boshart*, NEMA/Military Dept.
- * *Karis Bowen*, DHHS
- * *Josh Lear*, Department of Natural Resources
- * Jeff McReynolds, Lincoln Metro Area
- * *Jim Ohmberger*, Office of the CIO
- * *Sudhir Ponnappan*, Nebraska Game and Parks
- * Michael Schonlau, Member at Large
- * Gary Morrison, Dept. of Environmental Quality
- * Cullen Robbins, Public Service Commission
- * Milda Vaitkus, Conservation and Survey Division, UNL
- * *Bill Wehling*, Department of Roads
- * Kim Wessels, NACO
- * Todd Whitfield, At-Large Representative
- * Chuck Wingert, Representative Natural Resources

- Lash Chaffin, League of Nebraska Municipalities
- Pat Larson, Member at Large
- Erin Northwall*, Governor’s Policy Research Office
- Nancy Cyr*, Legislative Research
- Michael Preston, NE Geospatial Professional Assoc.
- Barb Oswald*, Property Tax Administrator
- Eric Herbert, Omaha Metro Area
- Jim Langtry, USGS
- Todd Wiltgen, NACO

NITC Representatives:	Nathan Watermeier, GIS Council Coordinator
Public Visitors:	Jeff Timm, OCIO; Steve Rathje, DNR; Steve Cobb, SSO; Marsha Munter, NDOR; Rob Christian, NDOR; Claire Inbody, NDOR; Leslie Rawlings, WSC; Doug Hallum, UNL; Casey Dunn, LRO; Tim Dayhuff and Walter Entz, Aerial Services Inc.; Steven Chase, NSRB; and Joe Heieck, GIS Workshop

I-III. General Meeting Formalities (continued)	
Roll Call and Quorum	The Chair, Tim Cielocha, called the meeting to order at 1:03 p.m. Roll call was taken. There were 16 members present at the time of roll call. A quorum was present to conduct official business.
Introduction of Audience Attendees	Public visitors were welcomed and were asked to introduce themselves if they wished. Visitors who wished to identify themselves as attending the meeting were to sign the visitor log and their name and affiliation would be reported in the minutes.
Public Meetings Regulations and Posting of the Same	NITC/GIS Council Homepage . The meeting notice posted on the Nebraska Public Meeting Calendar on November 13, 2015 and agenda posted on GIS Council website August 31, 2016.
Approval of Minutes from Previous Meeting	Ms. Vaitkus moved to approve the June 1, 2016 meeting minutes as presented. Mr. McReynolds seconded. Roll call vote: Cielocha-Yes, Kraai-Yes, Beran-Yes, Boshart-Yes, Bowen-Yes, Lear-Yes, McReynolds-Yes, Ponnappan-Yes, Schonlau-Yes, Morrison-Yes, Robbins-Yes, Vaitkus-Yes, Wehling-Yes, Wessels-Yes, Whitfield-Abstain, and Wingert-Yes. Results: Yes-15, No-0, Abstained-1. Motion carried.

IV. STRATEGIC INITIATIVE ACTION ITEMS

	<p>Geodetic and Survey Control - Low distortion projections (LDP) update. Steve Cobb reported that the LDPs that were previously discussed are now available via their website. The group is working on perimeter files. The website has information on “how to use LDP”. Section corner information is now available on the website. If members had any information they would like posted to their website, they were asked to send it to Mr. Cobb. Many counties have voluntarily submitted their information. A demonstration of the websites was provided.</p> <p>LDP Project web page: https://neblldpproject.blogspot.com/ Nebraska PLSS Database: http://www.sso.nebraska.gov/nescdb/nesc.html</p> <p>Nebraska Statewide Elevation Program – Project Updates. Jim Langtry was not present to report. Mr. Watermeier reported that the South Platte flight project has been completed. The contract for the Sand Hills Project has been negotiated and the project will begin soon. Mr. Watermeier wanted to acknowledge the various contributors to the effort including the Natural Resources Conservation Service, Nebraska Department of Natural Resources, Nebraska Department of Roads, Department of Environmental Quality, and the following Natural Resource Districts; Twin Platte, Upper Elkhorn, Upper Loup, Upper Niobrara, and Lower Loup for their commitments to the program. Mr. Schonlau is waiting to hear back on the Eastern Nebraska Urban 3DEP project. Their expectations are that the flight will occur sometime in March 2017 with deliverables scheduled for late Fall.</p> <p>Mr. Lear and Mr. Watermeier are working on the statewide LiDAR data holdings to begin inventorying and sending data over to the state’s Geospatial/GIS Enterprise file server. This data will be organized with a standardized naming convention and a folder system so that it can be easily cataloged with the new system.</p> <p>Nebraska Statewide Imagery Program - Business Plan Themes. Mr. Watermeier presented Imagery Business Plan themes. Members were asked to review these and provide comments back to him by October 1. Then he can move forward on the business plan draft. There are two components being addressed with the program, the business plan itself and the procurement process. The procurement process will be available for all Nebraska governments and political subdivisions to be</p>
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able to participate in the program. Procurement will be handled through the Administrative Services Division and OCIO with the State of Nebraska. The Work Group has looked at needs in regards to imagery for both rural and urban. The Council members would like to see flexibility in funding and payment options over a period of time for entities. LiDAR and older data will need to be refreshed periodically so it is was also suggested to include this technology through the procurement process.

Mr. Ohmberger arrived to the meeting.

Mr. Watermeier provided a high level overview of several of the themes for the program. For the first year the entire state would be done with 12 inch leaf off imagery meeting state standards. After the first year of complete data acquisition, the base product acquisition is ongoing and data will be acquired every two years for urban and priority areas and both rural/urban areas would be collected on the fourth year. Rural counties could have the option to buy-up every two years if needed. The determination of urban versus rural areas are dependent on their needs and when these acquisition periods would occur.

Mr. Watermeier still needs the Council's help and recommendation items possibly missing in the themes. We currently have standards and guidelines in place and will use that as core basis for the orthoimagery products. Administrative Services has already suggested to enter into award contracts on one year contract with the contingency that it could be expanded to multiple years contract. Most states have covered their imagery costs through 911 Boards with using cellular phone fees. All potential funding options will be available in the business plan. Currently, there is a need to purchase an orthoimagery product to meet necessary NG9-1-1 standards in particular if street centerlines, boundaries, and address points were to derive from a high resolution orthoimage. It was stated that counties have to submit an annual budget that needs to be approved. Counties will need plenty of notification to submit and potential costs in their budget requests. Completing the Imagery Business Plan is Mr. Watermeier's priority. He'd like to have the draft completed and presented at the November 2016 meeting.

Land Records – 2016/2017 Data Collection. The Work Group will be meeting on September 20th regarding the 2016/2017 Data Collection plan. The Nebraska Parcel Geodatabase will begin planning updates in December of 2016. The Secretary of State Records Board grants applications are due September 17, 2016. This opportunity has supported the digitizing of land records in the past for several counties.

Street Centerline and Address - Business Plan Themes. Mr. Watermeier distributed themes for the street centerline and address business plan. Council members were asked to provide input and recommendations by October 1st. The implementation plan addresses standardized data models and work flow, maintenance of data, local data stewards and authority and what their responsibilities are. The Council will also need to make recommendations in places where there are no local data stewards and who should have the oversight to make sure it is done. Through the LB 938 process, it is the intent of this working group and business plan to be incorporated into the overall master plan to legislation. The Council NESDI framework layers are the foundation to NG911 and Public Safety efforts. The Department of Roads is the statewide data steward responsible for the aggregation of data into a seamless dataset. They have been working on the Nebraska Street Centerline Database data models and workflows already. The Office of the CIO is suggested to be the statewide data steward for assembling the Nebraska Statewide Address Database. They have already been doing this work. They built a standardized data model and workflows and entering in data to the database. As we build the business plan we need to be aware of other stakeholders who need to be involved in these efforts. The state standards and follow through to federal standards such as the National Emergency Number Association (NENA) will be followed.

Boundaries - Boundary Assessment Project. The Council has been talking about boundaries for quite some time and it is recommended to formalize this NESDI topic. Several MAGIC consortium states met in Lawrence, KS in August to discuss authoritative municipality, county and state boundaries. This is an annual event where clearinghouse representatives get together. The consortium of states decided as a group to begin an assessment of boundaries in and between states. This includes the current composition of municipality, county, and state boundaries. This includes evaluating authoritative boundaries in terms of attribution, data schema/models, workflows from

development to statewide aggregation, data stewardship, and applications.

These findings will assist in developing best practices and minimum set of requirements so that states can use towards standardization of data schema/models, data aggregation workflows. This will also help develop agreements to be used for geometric placement of boundaries to support NG9-1-1 and other uses. This effort also has relationship to Boundary and Annexation Survey by Census.

Mr. Watermeier will be expanding the data collection method and processes to the existing group working on Census related projects. It was also suggested to begin formalizing a GIS Council work group for boundaries. If any GIS Council member is interested in working on this issue please contact Mr. Watermeier.

The Chair, Mr. Cielocha reminded members to get their input on the business plan themes to Mr. Watermeier by October 1st.

NebraskaMAP. The updated Metadata Standards was approved by the NITC at the July 14, 2016 meeting. The new NebraskaMAP website was launched in July 2016. It is also on Twitter. A new feature of the website is web-tracking and it has recorded 3,000 unique visitors within the first three weeks. A formal report of the number of hits will be summarized over time. Specific web viewers that are also being tracked and showing the most traffic include: Nebraska broadband, parks, flood plain management, and bridges. There are currently over 40 data sets and 147 different data layers.

The Office of the CIO did an internal news release on NebraskaMAP to state agencies a couple of weeks ago. Holly West, OCIO Public Information Officer, was introduced to the Council. Ms. West will also be developing a video as well to promote NebraskaMAP. Mr. Watermeier asked for volunteers to be in the video. GIS Week is November 13-19 and there will be a map gallery event sponsored by the Nebraska GIS LIS Association. A program and training are slated for state agencies on Nov. 16-17.

V. CENSUS 2020

DISCUSSION

Most of the summary was covered in the boundaries project report. Mr. Watermeier is working on a draft MOU with U.S. Census for formalizing data sharing with statewide aggregation of various data layers including boundaries, street centerlines, address points, and other landmarks.

The Work Group will be meeting next week and will expand the group to include boundaries. If interested, members were to contact Mr. Watermeier.

VI. STATE GIS COORDINATORS REPORT

DISCUSSION

State Geospatial/GIS Enterprise. Mr. Watermeier has been working on getting infrastructure in place. The Office of the CIO has been discussing cloud strategy to handle the large GIS data sets for more affordable storage. The CIO is exploring this as part of the current IT consolidation plan. Mr. Watermeier has met and gathered costs and information from various third party cloud hosting providers. The OCIO expects this will be a cost savings for state agencies. An inventory process is being developed as the data is consolidated within the Enterprise system. A project management timeline with tasks have been developed and will begin to meet with agencies later this fall to begin further consolidation efforts. The statewide Esri master purchase agreement has been completed and is available to use.

Federal Initiatives and News. A follow-up was provided on the National Address Database Pilot Project. In march, there was a summit to gather input on the following:

- Determine minimum data content standards that would be included in the national address database.
- Explore workflows for address creation
- Understand best practices for address roll-up
- Assess technical feasibility of the NAD

A national Parcels Summit sponsored by Homeland security was held June 17, 2016 in Reston

	<p>Virginia. The following items were addressed:</p> <ol style="list-style-type: none"> 1. Revisit the status and benefit of national parcel-level data. 2. Identify possible approaches for achieving a comprehensive national parcel level dataset. 3. Explore the appropriate role of the federal government. 4. Brainstorm incentives to increase parcel data sharing. <p>NISGIC will hold its fall meeting October 24-28 in Indianapolis. The organization will be celebrating 25 years. Jim Merchant assisted in its organization.</p>
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VII. UPDATES FROM MEMBER AGENCIES

DISCUSSION	Public Service Commission, Cullen Robbins. The NG911 Project is moving along and initial staff have been hired. Dave Sankey is the 911 Director. The project will also be hiring a GIS position. The deadline for that position has been closed.
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VIII. OTHER BUSINESS

DISCUSSION	<p>Membership. Nominations have been submitted to the Governor but have not received a response yet. Certificates for out-going members will be given at the next meeting. Nominations for Vice Chair will be ready for vote at the November meeting. The Vice Chair assumes the role of Chair when the Chair’s term has expired. The past Vice Chair will take over as Chair at the first meeting of the following year. Please send nominations to Mr. Watermeier up to the time of nominations closing at the November meeting.</p>
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IX. INVITATION FOR PUBLIC COMMENT FROM ATTENDEES

Meeting Conclusion	
Adjournment	<p>Mr. Schonlau moved to adjourn the meeting. Mr. Wehling seconded. All were in favor. Motion carried.</p> <p>The meeting was adjourned at 3:10 p.m.</p>
Next Meeting	<p>The next meeting will be November 2, 2016, 1:00-3:30 p.m. at the Department of Roads, Lincoln Nebraska.</p>

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