



Meeting Summary

Strategic Initiative Action Items

Geodetic and Survey Control – Preparations are underway for new datum for 2022. The target is 2 centimeter accuracy relative to sea level (orthometric heights) using GPS/GNSS (Global Positioning System/Global Navigation Satellite System) and a geoid (gravity) model from NGS' GRAV-D (Gravity for the Redefinition of the American Vertical Data) project - newest realizations. Tasks and next steps include the following: 1) Obtain precise ellipsoid heights on NAVD (North American Vertical Datum) 88 bench marks, 2) Require/provide complete metadata for all mapping contracts, and 3) Prepare to change legislation (eg, Nebraska Statutes 76-2501 to 76-2506; 76-2502 currently states NAD (North American Datum) 1983.)

Elevation – The South Platte Basin LiDAR Project for Western Nebraska (BAA 2015) is progressing. There will be additional coverage of 147 sq. miles on top of 4,492 sq. miles. Expected delivery of the data is February 2017.

Imagery – An Imagery Request for Information (RFI) was released in December 2015. Primary and add-on data and services were specified for the request. The summary varied among all submissions. These will be built into estimates for the business plan costs.

Land Records – The Land Records Work Group met with Nebraska GIS Assessors Committee on December 18th. There was a recap on findings and review of data received from counties. A discussion evolved around common issues experienced in various county data sets. The work group continues to collaborate with the Department of Revenue and the county assessors on data quality issues. The OCIO has a secure online map viewer with assessors to show visual representation of data. Requests will be made twice a year. The next one will go out in July/August 2016 to a few larger sized counties that include Douglas, Sarpy, Lancaster, Hall, Scottsbluff, and Buffalo counties. Then all counties will be requested in January 2017. The purpose of making it a public record request is so that it is formally documented until a system in place in the future that will be more automated.

Street Centerline and Address – LB938 was introduced to *Adopt the 911 Service System Act* and transfer funds from the Enhanced Wireless 911 Fund to the 911 Service System Fund introduced by Senator Smith. Mr. Pursley informed the council that the Public Service Commission is developing a “master plan” for NG911 and would like the council’s assistance in developing the master plan. The master plan will need to be submitted December 2017. The bill also calls for staffing for NG911. The bill will sunset on 2018. The next steps for the street centerline work group involved reviewing federal requirements and national efforts. Explore existing statewide data, schemas and workflows that will go towards the Nebraska Address Database and Nebraska Street Centerline Database. Identify current data stewards and address authorities. And examine street centerline workflows through NDOR LRS/ARNOLD and E911 street-centerline.

NebraskaMAP – Progress on the new clearinghouse design and features were highlighted. State agency datasets are the first data sets to be uploaded. Other local governments should be getting their metadata updated and be prepared to have their data available. The Work Group has updated the Metadata standard to improve terminology and definitions for specific categories required for minimum and complete metadata. The Metadata standard changes were approved to move to the NITC Technical Panel for a 30-day review period. A NebraskaMAP Data Subcommittee was identified to handle data requests through the clearinghouse. The change in creation of the NebraskaMAP Data Subcommittee also prompted that the working group charters be updated. It was approved to update and modify the timeline for all GIS Council Work Group charters to reflect that the work group will be on-going until the Council votes to conclude or further modify the work group. A Geospatial Data and Content Management Policy was approved as the process of handling data requests through NebraskaMAP. This includes making further modifications to the policy for up to 6 months then move them through the NITC as standards.

Geospatial Preparedness Plan A group of state agencies have met including state patrol, Nebraska Emergency Management Agency, Office of the Chief Information Officer, Department of Roads, Department of Agriculture, and Health and Human Services. The end goal is a plan for a workflow and platform to get access to a set of most current data sets with formal data sharing agreements used in times of emergencies and other geospatial preparedness related events. The core group is co-led by Lt. Jon Kraai, State Patrol and Nathan Watermeier, OCIO.

Census 2020

The overall goal of Nebraska for this program is to coordinate and roll-up our statewide NESDI datasets to improve the US Census data set. The impacted NESDI data layers include: street centerlines, address points, boundaries, and hydrography. Data coordination efforts are being led by Office of the CIO, Legislative Research, and Nebraska Department of Roads. An overview of the Census projects were highlighted along with their timelines. The first project is led by the Legislative Research Office for the Block Boundary Suggestion Project (BBSP).

State GIS Coordinators Report

LB 720. Changes certain invasion of privacy provisions to include unmanned aircraft or unmanned aircraft systems (Senator Kuehn).

State GIS Enterprise. The Office of the CIO Roadmap and IT Implementation plans has been posted on the website and presented to the NITC and the State Government Council. The OCIO's mission is "Respect the taxpayer of the State of Nebraska". The GIS Enterprise platform mirrors the OCIO Roadmap and will be accomplished in four components: 1) current assessment, 2) targeted architecture, 3) implementation, and 4) evaluation and monitoring metrics.

Broadband: Mr. Watermeier had a meeting with the NTIA and White House along with the State of Utah regarding expanding broadband into rural areas. The discussion was around Open Mapping data to evaluate and support expansion of broadband in underserved areas.

National Address Database: Since last fall, the US DOT is working with pilot states to work towards a set of minimum content schema and standards. The federal agencies have been working with states to explore existing data structures and coverage, as well as "Address Authority" boundaries and contacts.

Next Generation 9-1-1: The FCC is requiring states to have their NG911 plans completed by 2020. An overview of the NEAD – National Emergency Address Database (device driven) was provided. NENA standards in planning GIS Data Model and GIS Data Stewardship is also underway for setting nationwide guidelines.

Homeland Security: HIFLD (Homeland Infrastructure Foundation Level Data) released their open data portal which made available 270+ data layers (<https://gii.dhs.gov/hifld/data/open>)

Updates from Agencies Mr. Wehling invited members to attend the 2016 NeUG (Nebraska User Group) Spring Conference, to be held March 9-10, Cornhusker Marriott, Lincoln, Nebraska.

Motions

Motions Carried:

- The November 4, 2015 minutes were approved.
- Moved to approved to recommend the Metadata Standard to the NITC Technical Panel for review and posting for the 30-day public comment period.
- Moved and approved to update and modify the timeline for all GIS Council Work Group charters to reflect that the work group will be on-going until the Council votes to conclude or further modify the work group.
- Moved to approve the Geospatial Data and Content Management Policy as the process of handling data requests through NebraskaMAP for up to 6 months then moved through the NITC standards review after such time.

Motions Failed:

There were no motions that failed.

I. Roll Call and Quorum

Members Present: * *Authorized to Vote*

- * *Bill Wehling*, Department of Roads, Chair
- * *John Beran*, State Surveyor
- * *Chad Boshart*, NEMA/Military Dept.
- * Eric Herbert, Omaha Metro Area
- * *Jon Kraai*, Nebraska State Patrol
- Jim Langtry, USGS
- * Lash Chaffin, League of Nebraska Municipalities
- * *Josh Lear*, Department of Natural Resources
- * Jeff McReynolds, Lincoln Metro Area
- * Chuck Wingert, NE Assoc. of Resource Districts
- * *Jim Ohmberger*, Office of the CIO
- * Jeff Pursley, Public Service Commission
- * Michael Schonlau, Member at Large
- * *Sudhir Ponnappan*, Nebraska Game and Parks
- * *Nancy Cyr*, Legislative Research
- * Michael Preston, NE Geospatial Professional Assoc.
- * *Karis Bowen*, DHHS
- * Todd Whitfield, Member at Large
- * Les Howard, Conservation & Survey Division

- Tim Cielocha, Public Power Districts, Vice Chair
- Lauren Kintner, Governor’s Policy Research Office
- Pat Larson, Member at Large
- Ruth Sorensen*, Property Tax Administrator
- Gary Morrison*, Dept. of Environmental Quality
- Kim Wessels, NACO
- Todd Wiltgen, NACO

* *Italicized names are designees to council seats.*

NITC Representatives:

Nathan Watermeier, GIS Council Coordinator

Public Visitors:

Michael Munson, Claire Inbody, Rob Christian, Rose Braun, of NDOR; Joseph Heyeck, GIS Workshop; Jeff Timm, OCIO

I-III. General Meeting Formalities (continued)

Roll Call and Quorum	The Chair, Bill Wehling, called the meeting to order at 1:05 p.m. Roll call was taken. There were 15 members present at the time of roll call. A quorum was present to conduct official business. One member arrived later.
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 Meeting notice posted on the Nebraska Public Meeting Calendar on 11-13-2015 and agenda posted on GIS Council website 02-17-2016.
Approval of Minutes from Previous Meeting	Mr. Schonlau moved to approve the November 4, 2015 meeting minutes as presented. Mr. Preston seconded. Roll call vote: Wehling-Yes, Lear-Yes, Ohmberger-Yes, Howard-Abstained, Preston-Yes, Boshart-Yes, Kraai-Yes, Ponnappan-Yes, Herbert-Yes, Pursley-Abstain, Chaffin-Yes, McReynolds-Yes, Schonlau-Yes, Cyr-Yes, Whitfield-Yes, and Langtry-Abstained. Results: Yes-13, No-0, Abstained-3. Motion carried.

IV. INTRODUCTION OF NEW MEMBERS

New GIS Council members were approved by the Governor's office and introduced at the meeting.

- Chuck Wingert, Nebraska Natural Resource Districts
- Kim Wessels, Nebraska Association of County Officials
- Erin Northwall, Governors Policy Research Office

V. STRATEGIC INITIATIVE ACTION ITEMS

A set of [presentation slides](#) were made available during the meeting to summarize several updates.

Working Group Reports

Geodetic and Survey Control Preparations are underway for new datum for 2022. The target is 2 centimeter accuracy relative to sea level (orthometric heights) using GPS/GNSS (Global Positioning System/Global Navigation Satellite System) and a geoid (gravity) model from NGS' GRAV-D (Gravity for the Redefinition of the American Vertical Data) project - newest realizations. Tasks and next steps include the following:

1. Obtain precise ellipsoid heights on NAVD (North American Vertical Datum) 88 bench marks
 - Move from NGVD (National Geodetic Vertical Datum) 29 to NAVD 88
2. Require/provide complete metadata for all mapping contracts
3. Prepare to change legislation
 - Nebraska Statutes 76-2501 to 76-2506; 76-2502 currently states NAD (North American Datum) 1983.

The GRAV-D data has been collected for most of Nebraska including additional data bases for determining vertical accuracy. Contacts for this initiative include Brian Shaw, NOAA NGS and Dave Zenk, St. Paul, Regional Geodetic Advisor.

Elevation The South Platte Basin LiDAR Project for Western Nebraska (BAA 2015) is progressing. The vendor, Woolpert, is ready to fly in a few weeks (March-April). There are some accumulated snow cover in areas such as ditches. There will be additional coverage of 147 sq. miles on top of 4,492 sq. miles. Expected delivery of the data is February 2017.

The Metro Omaha Area LiDAR Project (BAA 2016). There should be a public announcement of all funded National projects coming very soon. Hopefully, Nebraska's NiROC and Douglas County project will be funded.

Federal Emergency Management Agency (FEMA). FEMA is changing new flood mapping specifications to require QL2 for Flood Plane Mapping. Mr. Langtry displayed the 3DEP National Interest – [MAP](#).

Imagery An Imagery Request for Information (RFI) was released in December 2015. The following specifications were requested:

Primary Data and Services:

- Digital Color Orthoimagery 4-band (RGB+IR), 12 inch resolution
- Data hosting, online map viewer service for QA/QC, OGC WMS map service

Add-on Data and Services

- Digital Color Orthoimagery 4-band (RGB+IR), 6 and 3 inch resolution
- Obliques, 2-way and 4-way
- Additional hosting and map services to support this data

Summary varies among all submissions. These will be built into estimates for the business plan costs. Costs have come down on orthoimagery over the years. At some point, to help further drive down costs for taxpayers is to discuss data storage and services for statewide data and may need to consider hosting services shared by local and state government.

Land Records The Land Records Work Group met with Nebraska GIS Assessors Committee on December 18th. The agenda included the following topics:

- Recap on findings and review of data received from counties.
- Discussed common issues experienced in various county data sets
 - No metadata on majority of counties
 - No situs address or address is listed in owner address field
 - Data in different fields or combining several fields into one
 - Incorrect reporting of Section, Township, Range
 - Extra polygons within a parcel

The work group continues to collaborate with the Department of Revenue and the county assessors on data quality issues. The OCIO has a secure online map viewer with assessors to show visual representation of data. Plans are to continue to work with county assessors using the online map viewer to show some of these issues.

The plan for the coming year is to continue public records requests. Requests will be made twice a year. The next one will go out in July/August 2016 to a few larger sized counties that include Douglas, Sarpy, Lancaster, Hall, Scottsbluff, and Buffalo counties. There could be a few more. Then all counties will be requested in January 2017. The purpose of making it a public record request is so that it is formally documented until a system in place in the future that will be more automated.

Street Centerline and Address Mr. Watermeier introduced Jeff Pursley, Public Service Commission, who was present to answer questions about efforts relating to NG911. There are two bills relating to NG911 being introduced during this legislative session. Mr. Watermeier asked the council members to give some thought as to how the NITC GIS Council and the statewide technology plan action items can support these efforts.

LB927 - Change provisions relating to surcharges for 911 service introduced by Senator Hilkemann. A hearing was held on February 1, 2016. Wireless vendors expressed their concerns. The bill is still in committee.

LB938 - Adopt the *Adopt the 911 Service System Act* and transfer funds from the Enhanced Wireless 911 Fund to the 911 Service System Fund introduced by Senator Smith. An amendment was filed February 25th. A hearing was held on February 1, 2016 with a rehearing held on February 29th. The bill is in general file.

Mr. Pursley informed the council that the Public Service Commission is developing a “master plan” for NG911 and would like the council’s assistance in developing the master plan. The master plan will need to be submitted December 2017. The bill also calls for staffing for NG911. The bill will sunset on 2018.

Rob Christian and Nathan Watermeier, serve as spokespersons for the work group. The next steps for the Work Group include:

- Review federal requirements and national efforts
- Explore existing statewide data, schemas and workflows that will go towards the Nebraska Address Database and Nebraska Street Centerline Database.
- Identify current data stewards and address authorities.
- Examine street centerline workflows through NDOR LRS/ARNOLD and E911 street-centerline.

NebraskaMAP

The NebraskaMAP website is getting a new design. We are currently working on state agency

datasets to be uploaded. Other local governments should be getting their metadata updated and be prepared to have their data available. Discussions have been occurring regarding public information requests. State agencies will have the responsibility to review and approve data requests at the agency level. Metadata will be there in the clearinghouse. In addition, a Twitter account will be activated, an email system will be in place, and alerts are already built in. Data stewards will have admin accounts.

Metadata Standards. The Work Group has updated the standard to improve terminology and definitions for specific categories required for minimum and complete metadata. The standard is now before the council for recommendation to the Technical Panel.

Mr. Schonlau moved to recommend the Metadata Standard to the NITC Technical Panel for review and posting for the 30-day public comment. Mr. Wehling seconded.

Roll call vote: Wehling-Yes, Lear-Yes, Ohmberger-Yes, Howard-Yes, Preston-Yes, Boshart-Yes, Beran-Yes, Kraai-Yes, Ponnappan-Yes, Herbert-Yes, Pursley-Yes, Wingert-Abstained, Chaffin-Yes, McReynolds-Yes, Schonlau-Yes, Cyr-Yes, Langtry-Yes, Whitfield-Yes

Results: Yes-17, No-0, and Abstained-1. Motion carried.

Geospatial Data and Content Management Policy. Council members received a draft of the policy at the previous meeting for their review and recommendation. The question was asked as to whether this is a policy within the council only or should it go to the NITC as a standard? The Executive Committee met with the OCIO Legal Counsel and it was recommended to have an open policy that would be developed into a NITC Standard and Guideline.

Mr. Pursley left the meeting.

The policy outlines the expectations for data made available through NebraskaMAP. A NebraskaMAP Data Subcommittee would be created to handle the review process. A disclaimer and information about the content policy will also be included on the web site. After six months, the policy could be recommended as a standard and will be submitted through the NITC standards process. There was discussion regarding the Council’s Work Group Charters, as well as the duration of the NebraskaMAP Data Subcommittee. It was identified to update the charters and timelines to reflect ongoing working group efforts and get them posted to our SharePoint site.

Mr. McReynolds moved to update and modify the timeline for all GIS Council Work Group charters to reflect that the work group will be on-going until the Council votes to conclude or further modify the work group. Ms. Cyr seconded.

Roll call vote: Wehling-Yes, Lear-Abstain, Ohmberger-Yes, Howard-Yes, Preston-Yes, Boshart-Yes, Beran-Yes, Kraai-Yes, Ponnappan-Yes, Herbert-Yes, Wingert-Yes, McReynolds-Yes, Schonlau-Yes, Cyr-Yes, Langtry-Yes, Whitfield-Yes

Results: Yes-15, No-0, and Abstained-1. Motion carried.

Mr. Herbert moved to approve the Geospatial Data and Content Management Policy as the process of handling data requests through NebraskaMAP for up to 6 months then moved through the NITC standards review after such time. Mr. Schonlau seconded.

Roll call vote: Wehling-Yes, Lear-Yes, Ohmberger-Yes, Howard-Yes, Preston-Yes, Bowen-Yes, Boshart-Yes, Beran-Yes, Kraai-Yes, Ponnappan-Yes, Herbert-Yes, Wingert-Yes, Chaffin-Yes, McReynolds-Yes, Schonlau-Yes, Cyr-Yes, Langtry-Yes, Whitfield-Yes

Results: Yes-18, No-0, and Abstained-0. Motion carried.

VI. GEOSPATIAL PREPAREDNESS PLAN

DISCUSSION

There are several sources and duplication of data in the state used for preparing and responding for emergencies, public safety, health, homeland security, and bio-security. A group of state agencies have met including state patrol, Nebraska Emergency Management Agency, Office of the Chief

Information Officer, Department of Roads, Department of Agriculture, and Health and Human Services. Several agencies are attempting to get a plan in place to identify appropriate workflows and data sources in place so that all data can be kept in a common way in order for data to be easily accessible and easy to understand for first responders. This ties in closely to NextGen911, homeland security and other public safety needs. Some data is protected by state and federal regulations. Another goal of the group is to develop appropriate data sharing agreements among state agencies ahead of time on who can get access to some of the data restricted by licensing or regulations. The end goal is a plan for a workflow and platform to get access to a set of most current data sets with formal data sharing agreements used in times of emergencies and other geospatial preparedness related events. The core group is co-led by Lt. Jon Kraai, State Patrol and Nathan Watermeier, OCIO.

VII. CENSUS 2020

DISCUSSION

The initially planning started in November 2015. Members of the planning committee include the following:

- Legislative Research Office – Nancy Cyr and Casey Dunn
- Office of the CIO – Nathan Watermeier
- Nebraska Department of Roads – Rob Christian and Bill Wehling
- NACO, GIS Council – Todd Wiltgen

Data coordination efforts will be led by Office of the CIO, Legislative Research, and Nebraska Department of Roads through support of NITC GIS Council. The impacted NESDI data layers include: street centerlines, address points, boundaries, and hydrography.

The overall goal of Nebraska for this program is to coordinate and roll-up our statewide NESDI datasets to improve the US Census data set. In fact, we want to replace the outdated TIGER reference data that we have in our state.

Redistricting Data Program (RDP). This project is led by the Legislative Research Office. The Block Boundary Suggestion Project (BBSP) started in December 2015. The initial identification of updates is due May 31. The Redistricting Voting District Project (VTD) will be occurring December 2017 until May 2019.

Boundary and Annexation Survey (BAS). Annual responses are due in December and January of each year. Material can be submitted through May.

Local Update of Census Addresses (LUCA) Program. Invitations to counties will be sent in the Fall of 2017. Materials will be available sometime during winter in 2018. Feedback is to be shipped during the summer in 2019.

Geographic Support System Initiative (GSS-I). This is annually coordinated with state liaisons for street centerline and address data.

School District Review Program (SDRP). This is done every two years with states. The Nebraska Department of Education and the Office of the CIO will be involved.

Participant Statistical Areas Program (PSAP) and Tribal Statistical Areas Program (TSAP). This information is available to December 2018.

Boundary Validation Program (BVP). The highest Elected Officials initial notification will occur in January 2020. The Final Review will occur May-June 2020.

Redistricting Data Program (RDP). Map viewers have been developed for each county to gather input on initial boundaries using Geocortex Essentials. An initial set of 10 counties started this week. Data gathered from counties will be assembled then reported on as a whole to Census by end of May. Awareness activities to make the public aware:

- NACO regional meetings

- Flyer and information on Nebraska coordination efforts
- Web site on state points of contact, timelines, and other information about several projects

VIII. STATE GIS COORDINATORS REPORT

DISCUSSION

LB 720 - Changes certain invasion of privacy provisions to include unmanned aircraft or unmanned aircraft systems (Senator Kuehn). Specific terminology on this includes: (1) A person is presumed to be liable for invasion of privacy if he or she operates an unmanned aircraft or unmanned aircraft system (a) within the airspace overlaying privately owned real property less than two hundred feet above the ground level of such real property, (b) without the express permission of the owner of the real property or the owner's agent, and (c) while capturing any type of visual image, sound recording, or other representation or physical impression of the plaintiff. Such person shall also be liable for reasonable damages for the invasion of privacy.

Ms. Cyr left the meeting.

State GIS Enterprise. The Office of the CIO Roadmap and IT Implementation plans has been posted on the website and presented to the NITC and the State Government Council. The OCIO's mission is "Respect the taxpayer of the State of Nebraska". The GIS Enterprise platform mirrors the OCIO Roadmap and will be accomplished in four components.

State GIS Enterprise Platform

- I: Current Assessment
- II: Targeted Architecture
- III: Implementation
- IV: Evaluation and Monitoring Metrics

The current assessment is underway. A survey went out to key agencies in January. Results are being compiled and the other components have also started.

Mr. Chaffin left the meeting.

Federal Initiatives and News.

Broadband: Mr. Watermeier had a meeting with the NTIA and White House along with the State of Utah regarding expanding broadband into rural areas. The discussion was around Open Mapping data to evaluate and support expansion of broadband in underserved areas.

National Address Database: Since last fall, the US DOT is working with pilot states to work towards a set of minimum content schema and standards. The federal agencies have been working with states to explore existing data structures and coverage, as well as "Address Authority" boundaries and contacts.

Next Generation 9-1-1: The FCC is requiring states to have their NG911 plans completed by 2020. An overview of the NEAD – National Emergency Address Database (device driven) was provided. NENA standards in planning GIS Data Model and GIS Data Stewardship is also underway for setting nationwide guidelines.

Homeland Security: HIFLD (Homeland Infrastructure Foundation Level Data) released their open data portal which made available 270+ data layers (<https://gii.dhs.gov/hifld/data/open>)

IX. UPDATES FROM MEMBER AGENCIES

DISCUSSION

No updates. Mr. Wehling invited members to attend the 2016 NeUG (Nebraska User Group) Spring Conference, to be held March 9-10, Cornhusker Marriott, Lincoln, Nebraska. The conference registration fee is \$35 for state employees and \$60 for general public.

X. OTHER BUSINESS

DISCUSSION Membership

There will be some memberships that will be up for renewal.

XI. INVITATION FOR PUBLIC COMMENT FROM ATTENDEES

DISCUSSION There was no public comment.

Meeting Conclusion

Adjournment **Mr. Schonlau moved to adjourn the meeting. Mr. McReynolds seconded. All were in favor. Motion carried.**

The meeting was adjourned at 3:30 p.m.

Next Meeting The next meeting will be June 1, 2016, 1:00-3:30 p.m. at the Department of Roads, Lincoln Nebraska.

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