

Minnesota Geospatial Advisory Council Meeting

September 5, 2018

Blazing Star Room, Ground Floor, Centennial Office Building

658 Cedar St., St. Paul, MN 55155

11:00 a.m. – 2:00 p.m.

Agenda

- | | | |
|---|-------|--------|
| 1. Call to order (Chair) | 11:00 | 15 min |
| a. Introductions | | |
| b. Approval of agenda | | |
| c. Approval of meeting minutes from 5/30/2018 | | |
| 2. Review and accept committee summaries (All) – <i>page 2</i> | 11:15 | 5 min |
| 3. Approve updated charter for Parcels and Land Records Committee – <i>page 14</i> | 11:20 | 5 min |
| 4. Approval of new Archiving Workgroup – charter and workplan (Mattke) – <i>page 17</i> | 11:25 | 10 min |
| 5. Road Centerline Data Standard update (Maas) | 11:35 | 5 min |
| 6. Adopting previously approved GCGI standards and standardizing (Maas/Kotz) | 11:40 | 15 min |
| 7. Update on GIS/LIS and NSGIC conferences (Stovern/Ross) | 11:55 | 5 min |
| 8. Break Networking | 12:00 | 30 min |
| 9. 3D Geomatics Committee update and 3D Nation (Sjerven/Ross) | 12:30 | 15 min |
| 10. Update on NAIP and LandSAT (Ross) | 12:45 | 5 min |
| 11. Sector Reports – (Bendickson, Mavis) – <i>page 22</i> | 12:50 | 20 min |
| 12. Removing priority #9 from priorities list (Dolbow) | 1:10 | 10 min |
| 13. Updates on MN GAC Priority projects and initiatives – <i>page 24</i> | 1:20 | 20 min |
| 14. Legislative updates | 1:40 | 5 min |
| 15. Announcements or other business | 1:45 | 15 min |
| 16. Adjourn | 2:00 | |

Agenda Item 2. Review and Approval of Committee & Workgroup Summaries

Governor's Commendation Award Group

Report date: 09/05/2018

Prepared by: Philipp Nagel

Meetings: 06/15/2018

Progress on work plan: The committee exists to review nominations received for the Governor's Commendation Award, and to make recommendation on the nominations.

The Committee met via phone conference to discuss the two nominations that were received this year. The complete nominations, including any supporting documentation, were distributed electronically to the committee members ahead of the meeting for their review.

Each nomination was discussed thoroughly, and the Committee voted on both nominations. The results of the votes were forwarded to the State Geospatial Information Officer, Dan Ross.

The Committee's work for this year is complete. We will spring back into action if any nominations are received in 2019.

Additional comments: none

3D Geomatics Committee

Report date: 8/24/2018

Prepared by: Steering Committee Co-Chairs: [Sean Vaughn](#), [Gerry Sjerven](#)

Meetings:

- Meetings of the Steering committee switched to monthly meetings to allow for members to be involved in Workgroup meetings
 - 6/27/2018, 7/26/2018, 8/14/2018
- 3D Geomatics for the 2020's Workshop on June 12, 2018

Progress on work plan & Next Steps:

- Committee and Workgroups are on track for meeting objectives for the year.
- Successfully held 3D Geomatics for the 2020's Workshop on June 12, 2018
 - Arden Hills MnDOT Training Facility from 10-4pm
 - 38 Attendees, representing a wide range of interests
 - Focused on developing workplans for each workgroup and expanding membership
 - Agenda, Attendee List, Powerpoint presentations, and notes will be posted to the website
 - Lunch was co-sponsored by the MN GIS/LIS Consortium and US Forest Service
- We have developed Biography's for the Steering Committee, will be included on the committee website
- Full meeting notes and action items are being finalized and will be placed on the committee website
- Presenting at the MN GIS/LIS Consortium Conference on Thursday, October 4, at 10:30-Noon, 3D Geomatics Committee Update and Topic Discussion for the GIS/LIS Community – Focusing on A Guided Approach to Minnesota's Next LiDAR Collect.
- Begin planning on Next Steps and Roll for the Steering Committee
 - Review 2018 objectives
 - Update Committee Website
 - Establish Workplan and objectives for 2019

3DGEO Hydro Landforms and Hydrography Workgroup

Work Plan date:

August 13, 2018

Champions:

Andrea Bergman, Jamie Schulz, and Rick Moore

Link to workgroup charter:

http://www.mngeo.state.mn.us/committee/3dgeo/3dgeo_committee_charter.pdf

Work Plan for 2018

Planned activities and deliverables:

1. Write a Mission Statement
 - a. Review existing mission statement from legacy Hydrography Committee (2005).
 - i. The Hydrography Committee existed to promote the consistent development of hydrography data and to enable data exchange through coordination, cooperation and standards development. (2005 Revised Mission)
 - ii. **The 3DGEO Hydrologic Landforms and Hydrography Workgroup of the 3D Geomatics Committee exists to promote the consistent development of hydrography data and to enable data exchange through coordination, cooperation and standards development. (2018 Revised Mission)**
***presented and accepted at 4/17/18 meeting**
2. Identifying and Recruiting Membership
***Done after 3/2/18 meeting**
3. Write a Workplan
***presented and accepted at 4/17/18 meeting**
***updated in response to August 2018 survey 8/13/18**
4. Work with MNGEO (Nancy Rader) to establish workgroup web page
 - a. Update to legacy [Hydrography Committee](#) page
***[Created](#) and made available publicly**
5. Survey of hydrography layers
 - a. Types of completed and standardized hydrography layers (Legacy)
 - b. Types and Stewards of existing hydrography layers (Current – In Use)

- c. List of existing data or efforts to create new hydrography layers (In Progress)
- d. Hydrography Needs in terms of data layers (Future)
 - i. Next Generation (LiDAR derived hydrography)
6. Education and Outreach
 - a. Outreach committee announcements
7. Establish attribute standards for a Digital Dam Breachline Database

***added per results from August 2018 Work Plan Survey**
***Subgroup established and lead by Rick Moore**

Roles and responsibilities:

Membership will expand for the workgroup to include diverse users and stewards of hydrography data. Provide guidance to hydrography stewards and users of efforts in the state as it relates to hydrography data.

Resources:

The 3D Hydro Landforms and Hydrography Workgroup will use the work and accomplishments of many earlier committee efforts.

Workgroup needs:

The workgroup will be working with the 3D Geomatics Steering committee to help solicit membership.

Dependencies and interrelationships:

The Hydro Landforms and Hydrography workgroup will depend on guidance from the 3D Geomatics Steering Committee.

Risks:

- Taking on too much responsibility and determining the amount of commitment to the workgroup.
- Inaccuracies will be incorporated into future derived hydrography data.
- Lack of standards for data development and data application of hydrography data. Bad data will translate into loss time and loss of money.
- Lack of communication between state agencies and local units of government pertaining to hydrography data.

3D Geomatics Committee/3D-derived Human Infrastructure

Report date: 7/18/2018

Prepared by: Workgroup champions [Colin Lee](#)

Work Plan for 2018

Planned activities and deliverables:

1. *Learn from the previous collect.* Get an understanding of how the previous collect was started, organized, and funded to better move forward with this initiative.
 - a. Read through the previous committee notes, work plan and final report.
 - i. Available here <http://www.mngeo.state.mn.us/committee/elevation/index.html>
 - b. Gain an understanding of the deliverables, partners, contracts and committee members involved in the previous collect.
 - i. Available here http://www.mngeo.state.mn.us/committee/elevation/mn_elev_mapping.html#materials
2. *Define the team.* Engage with all disciplines within 3D Infrastructure and collaboratively develop a unified set of information requirements that will guide data collection so that it satisfies everyone's operational needs. These disciplines may be represented directly or indirectly and will include but are not limited to –
 - a. Transportation
 - i. 3d Design
 - ii. Traffic operations
 - iii. Signing and striping
 - iv. Highway safety
 - v. Maintenance
 - vi. Asset management
 - b. Energy
 - i. Traditional
 - ii. Renewable/Alternative
 - c. Cultural/Historical Resources
3. *Specify needs and use cases.* Provide a detailed explanation of the data, its use cases and how these will benefit the needs of human Infrastructure. This will be done in two phases –
 - a. Evaluate current uses, needs, and short comings.
 - b. Determine one or two Quality Levels (QL) based on ASPRS standards that best fit the needs of infrastructure.

- c. Detail future use cases based on best fit Quality Level/s determined by this workgroup.
- d. A final report comprised of all the finding will be created, edited and delivered to the steering team.

Roles and responsibilities:

1. Each member will work to complete the items in listed sections 1&2 above.
2. Members will share their results from the above task and as a group we will determine what QL/s and system platform best fits Infrastructure needs going forward.
3. Members will work in groups or independently to complete the tasks in section 3.
4. Members will be chosen/volunteer to compile and edit the findings.

Resources:

Committee/workgroup needs:

1. A platform to collaborate. Possibly a SharePoint page.

Dependencies and interrelationships:

1. This workgroup will work with the steering team and other workgroups as needed to complete the tasks.

Emergency Preparedness Committee

Report date: August 22, 2018

Prepared by:

Randy Knippel

GIS Manager, Dakota County

Randy.knippel@co.dakota.mn.us

Steve Swazee

President, SharedGeo

sdswazee@sharedgeo.org

Meetings:

July 18, 2018 – USNG Implementation Working Group (IWG)

August 20, 2018 – Damage Assessment Tiger Team

Progress on work plan:

USNG Tiger Team

- USNG Implementation Working Group (IWG)
 - Formalized by Steve Swazee
 - Created public website
 - <https://sites.google.com/a/sharedgeo.org/usng-iwg/home>
 - Group of individuals from across the country actively engaged in implementing the USNG
 - Met informally in 2015, 2016, and 2017
 - Initial meeting in May, 2018
 - Conducted second formal meeting of IWG
 - 10 participants (nation-wide)
 - Formed 3 committees
 - Administrative (Swazee leading)
 - Technical (Knippel participating)
 - Training (Knippel leading)
- Continued engagement in “SAR and GIS” Google group
 - Group has numerous references to the USNG
 - 343 members
 - <https://groups.google.com/forum/#!forum/sar-and-gis>
- Engaged with NAPSG Foundation effort to create an ArcGIS Pro Map Book template with tasks:
 - <https://napsg.maps.arcgis.com/home/item.html?id=f93ebd6933cb4679a62ce4f71a2a9615>

Damage Assessment Tiger Team

- Convened meeting to discuss status of HSEM initiative to deploy damage assessment application

- HSEM is looking to integrate WebEOC with ArcGIS Collector, and with iCarol (coordinating with United Way, Minneapolis) for field collection and citizen engagement
- The Team would like to have more engagement by HSEM
- HSEM provided a list of fields from 4 categories
 - Team will review HSEM attributes, compare to the data model they developed in 2017, and provide comments back to HSEM
 - Initial reaction is that HSEM seems to be more focused on detailed damage assessment
 - Team would like to see options to adapt it for rapid damage assessment
 - A designated liaison will discuss several related questions with HSEM and share with the team
- It is unknown to what degree the HSEM solution will be available to counties and cities or when their solution will be available
- The Team believes additional effort is required to meet the damage assessment needs of local government entities, beyond what HSEM appears to be pursuing

Other Activities

- Randy Knippel continues to be an active member of the Metropolitan Emergency Managers Association as their GIS Liaison
 - Attend monthly meetings
 - Provide updates related to metro and state GIS activities
 - E911
 - Data standards
 - Geo Commons
- Dakota County continues to host USNG maps for the metro region
 - <http://maps.co.dakota.mn.us/>
- SharedGeo is actively pursuing opportunities to facilitate implementation in local government across the Nation
 - Creation of maps and map books
 - Implementation of Emergency Location Markers

Outreach Committee

Report date: September 5, 2018

Prepared by:

Kari Geurts, kari.geurts@state.mn.us

Len Kne, lenkne@umn.edu

Meetings:

The Committee met on June 13, 2018. The meeting primarily discussed the results of the MN Cities Data Survey (58 respondents) and how to prepare a report. Report will be presented at the MN GIS/LIS conference in October.

Progress on work plan:

- Activities: The committee had a few informal online meetings to discuss the upcoming survey of free and open GIS data at cities across Minnesota.
- Accomplishments:
 - Developed a survey to send to Minnesota cities about their support and questions about free and open data. We have city contact lists from MnGeo and the League of Minnesota Cities. The survey includes several questions on the awareness and use of the US National Grid. The survey is complete, and a report is being drafted for the October MN GIS/LIS conference.
 - Evaluate the use of the GAC YAK newsletter as another form of outreach for the committee. The committee continues to explore how to support the publishing of the GAC YAK. Will meet in the Fall to try and find a sustainable solution to publishing the GAC YAK on a regular schedule.
 - Started collecting GIS success stories to promote the value of GIS to a wide range of stakeholders.
- Progress toward achieving proposed goals:
 - The data collection phase of the Free and Open data survey to Minnesota Cities is complete. We are working to clean up the data and start analysis.
- Problems or impediments: None
- Required assistance: None

Additional comments:

None

Parcels and Land Records Committee

Report date:

08/24/2018

Prepared by:

George Meyer

Chair, parcels and Land Records

Lead Developer

Otter Tail County GIS Dept.

Office# 218-998-8310

Direct# 218-998-8313

Meetings:

No meetings since previous (05/17/2018)

Progress on work plan:

Committee Charter was updated to reflect current committee direction and goals.

The 2018 work plan revolves around getting input from the surveying community to help establish the framework for the PLSS corner standard, the committee decided to postpone the next meeting until the survey community winds down from their busy summer season and will have more time to attend.

Additional comments:

Any members of the surveying community that wish to take part in a discussion about creating a PLSS standard are encouraged to forward their contact information to one of the members of the Parcels and Land Records committee, and they will be included in correspondence for scheduling the next meeting.

Standards Committee

Report date:

Tuesday, August 21, 2018

Prepared by:

Geoff Maas, Committee Chair | geoffrey.maas@metc.state.mn.us | 651.602.1638

Meetings:

Last Committee meeting was held on 7/18/18 in St. Paul at the Metro County Government Center, 2099 University Avenue

Recent and archived meeting minutes are here: <http://www.mngeo.state.mn.us/committee/standards/>

Next Standards Committee meeting is a conference call scheduled for Tuesday, September 24, 1:00 PM, the agenda for this meeting remains in development and will include final review and next steps recommendation for the proposed road centerline standard (MRCS) that is in development.

Progress on work plan:

The Committee's current work plan was revised and approved by the Committee on 2/26/2018 and the Geospatial Advisory Council on 3/28/2018;

Deliverable #1 for 2018 – Advancement/Adoption of the Parcel Data Transfer Standard

The Geospatial Advisory Council adopted the proposed Parcel Data Transfer Standard at its regular meeting on March 28, 2018. Recent work by the Metro Parcel Data Work Group suggests that some revisions to the Parcel Data Transfer Standard may be warranted.

Deliverable #2 – Meetings in 2018

The next meeting of the Standards Committee is a conference call scheduled for Tuesday, September 24, 2018. Agenda items proposed for this meeting include the completion of the review (begun, but not completed on 7/18/18) and recommendations of the next steps for the Road Centerline Standard in development, possible adjustments to the Parcel Data Transfer Standards and Address Points Standards and refinement of change management protocols for adopted standards.

Deliverable #3 – Updating Work Plan and Standards Procedures as needed

Work plan will be revisited and adjusted as needed and a 'change management protocols for adopted standards' will be prepared for the discussion of the Committee in 2018.

Deliverable #4 – Road Centerline Standard Review and Advancement

At its 7/18/18 meeting the Standards Committee began review of the stakeholder comments that were collected in the 60-day public review period (April 9, 2018 – June 8, 2018). In this review, the Committee encountered numerous issues that needed more research and developed a list of tasks to be accomplished prior to completing that review. These tasks are underway, their progress will be assessed in the Standards Committee's conference call in 9/24/18 with the intention of being completed by the in-person meeting of the Committee planned for late October.

Additional comments:

Potential adjustments or changes to adopted standards.

With recent comments arising from the usage and deployment from the geospatial community on the early versions of both the newly-adopted Address Point Data Standard (v. 1.1) and Parcel Data Transfer Standard (v. 1.0), there is potential to put both out for a round of stakeholder review later in 2018. The Standards Committee will review and deliberate this need at its planned 9/24/2018 conference call and its planned in-person meeting anticipated in late October 2018.

Agenda Item 3. Approve Update Charter of Parcels and Land Records Committee

Parcels and Land Records Committee Charter

Mission statement:

This Committee exists to develop and coordinate the statewide integration, standardization, and access to geospatial cadastral data.

The primary goals of the Committee are:

- To foster communication and understanding among the geospatial professionals and other professions about the importance of digital cadastral data;
- To champion the use, review and maintenance of the statewide Parcel Data Transfer Standard as a resource for the aggregation and usage of parcel data in Minnesota;
- To develop and strengthen the ties to and relationships between the geospatial profession and the survey profession in Minnesota;
- To establish a framework for standardizing and sharing geospatial data representing parcels and the Public Land Survey System (PLSS) in coordination with the agencies that both produce and consume this data.

Objectives and Deliverables:

Parcel boundaries are the foundation of multiple land-based analyses, tax valuations, and administrative boundaries; but an accurate, continually updated statewide data resource of this information does not yet exist.

The Public Land Survey System (PLSS) is the foundation of all land records and property descriptions in the State of Minnesota, but an accurate, multi-purpose, consistently attributed, statewide geospatial dataset of the PLSS does also not yet exist.

The Parcel and Land Records Committee looks to build from the work of previous committees (such as the Digital Cadastral Data Committee [DCDC]) to document the various needs for standardized parcel data and PLSS information, and to work with the data producer and consumers to advance toward development and long-term maintenance of these importance data resources. To accomplish this, our purpose is to:

- Support and maintain a statewide standard for sharing and aggregating parcel, data from all 87 counties, in a format that is easily understood and usable by multiple agencies.
- Develop a process to collect, manage, and share the most accurate digital PLSS data possible, and to make that usable by multiple agencies.

- As documents develop and approach working drafts, the Standards and Outreach committees will be involved to further refine and facilitate completion.

Resource requirements and timing:

The majority of the resources needed for the operation and maintenance of the Committee will be the volunteered time of its membership for meetings, participation in outreach and research, developing materials for the use of the Committee and document preparation to support its activities.

The Parcels and Land Records Committee will need to identify and to communicate with agencies and interests in both the data producer and data consumer communities. Identifying and inviting experts in those areas to provide use scenarios and data needs will provide the most detailed information when determining data needs. Target goals and timing of efforts will vary with availability and complexity.

Anticipated participants and their roles and responsibilities:

Chair:

George Meyer
 Lead Developer
 Otter Tail County GIS Dept.
 Direct# 218-998-8313
gmeyer@co.ottertail.mn.us

Current members:

David Brandt	Washington County	Parcel and Land Records Committee member
Lisa Hanni	Goodhue County	Parcel and Land Records Committee member
Peter Jenkins	MnDOT	Parcel and Land Records Committee member
Geoffrey Maas	MetroGIS	Standards Committee, chair (also Outreach Committee)
Chad Martini	Stearns County	Parcel and Land Records Committee member
George Meyer	Otter Tail County	Parcel and Land Records Committee (chair)
Bart Richardson	MnDNR	Parcel and Land Records Committee (former chair)
Dan Ross	MnGeo	GIO, participates in all Committee meetings;
Mark Sloan	Clay County	Parcel and Land Records Committee member
Jeff Storlie	St. Louis County	Parcel and Land Records Committee member
Ryan Stovern	St. Louis County	Parcel and Land Records Committee member
Annette Theroux	Pro-West	Parcel and Land Records Committee member
Mark Volz	Lyon County	Parcel and Land Records Committee member
Jen Ward	Pro-West	Parcel and Land Records Committee member
Hal Watson	MnDNR	Parcel and Land Records Committee member
Matt Koukol	Ramsey County	Parcel and Land Records Committee member
Curtis Carlson	private	added by request
Kevin Sutherland	MN DOT	Member added by suggestion, PLSS Standards development
Mike Dolbow	MNIT	added by request, parcel standard script updates.

Membership:

Membership in the Parcel and Land Records Committee is voluntary. There is no upper limit as to the number of members for the Committee, however, a minimum number of five (5) members is needed for a quorum to conduct the business of the Committee at its regular meetings.

Stakeholders:

Stakeholders in the Parcel and Land Records Committee includes, but are not limited to the following

- Geospatial professionals from 87 Minnesota Counties
- Survey professionals (on staff or under contract) working with all 87 Minnesota Counties
- Municipal, park district or special district staff who utilize cadastral data
- Professional groups such as the Members of the Minnesota Association of County Surveyors (MACS) and Minnesota Society of Professional Surveyors (MSPS)
- Private vendors who work with county governments to develop and maintain cadastral data;
- Regional collaborative groups such as the Arrowhead Geospatial Collaborative, MetroGIS, Pine-To-Prairie GIS User Group, South Central Minnesota GIS User Group, South East Minnesota GIS User Group
- State agencies who require cadastral data to conduct their work including the Department of Revenue, Department of Transportation, Department of Agriculture, Department of Natural Resources, Pollution Control Agency and Minnesota Geospatial Information Office.

Prepared by:

George Meyer, Chair
Otter Tail County
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218.998.8313

Date approved by the Geospatial Advisory Council:

(Date of next meeting [presumably]: September 5, 2018)

Agenda Item 4. Approval of New Archiving Workgroup – Charter & Workplan

Archiving Workgroup - Charter

Mission statement:

Define policies, best practices, and procedures for archiving geospatial data in Minnesota, so that a wealth of valuable geospatial data can be preserved and available for future use.

Objectives and Deliverables:

Objectives

- Engage with data stewards at various levels of government, academic institutions, private sector, and relevant stakeholders
- Create a priorities list of data sets to focus on for archiving purposes
 - Use analytics as part of decision making
 - Communicate with data consumers to get a sense of their priorities
 - GAC priorities list (ex: Aerial Photography, parcel data, street centerlines, address points, etc)
- Collaborate with MnGeo on a strategy for how they will archive their historical aerial imagery layers (possible pilot)
- Explore ways to streamline or eliminate license agreements
- Explore what an archiving agreement would look like
 - Agreement for archiving services
 - Agreement to retain data in the archive per data retention policies
- Create an archiving strategy that includes policies, best practices, and procedures to be reviewed by the geospatial community and approved by the GAC
 - Identify possible repositories for data
 - Estimate costs associated with the archiving data
 - Recommend funding strategy
- Educate the geospatial community about archiving (benefits, costs, what does it mean)

Deliverables

- Policies
- Best Practices
- Procedures
- Report
- Present at 2019 MN GIS/LIS Conference

Resource requirements and timing:

- People time
- Monthly web meeting
- Deliverables in one year (July 2019)

Anticipated participants and their roles and responsibilities:

Group Membership:

- David Bendickson - Minnesota National Guard
- Art Botello - Minnesota Department of Transportation
- Len Kne - University of Minnesota
- Mark Kotz - Metropolitan Council
- Mike Koutnik - Esri
- Geoff Maas - MetroGIS
- Karen Majewicz - University of Minnesota Libraries (Vice Chair)
- Andra Mathews - Minnesota Center for Environmental Advocacy
- Ryan Mattke - University of Minnesota Libraries (Chair)
- Dan Ross - MnGeo
- Ben Timerson - Minnesota Department of Transportation
- Hal Watson - MN.IT Natural Resources

Stakeholders:

- MnGeo
- Government agencies at all levels
- Researchers
- All users of historic geospatial data
- Higher Education
- Non-profit organizations
- Private sector

Prepared by:

Ryan Mattke
matt0089@umn.edu

Date approved by the Geospatial Advisory Council:

Archiving Workgroup - Work Plan

Work Plan date:

August 2018

Chair and vice chair:

Ryan Mattke - University of Minnesota Libraries (Chair)

Karen Majewicz - University of Minnesota Libraries (Vice Chair)

Link to committee/workgroup charter:

[Archiving Workgroup Charter](#)

Accomplishments from 2018

- Group formed

Work Plan for 2018-2019

Planned activities and deliverables:

- Engage with data stewards at various levels of government, academic institutions, and relevant stakeholders (send communications by **December 2018**)
- Create a priorities list of data sets to focus on for archiving purposes (**January 2019**)
 - Use analytics as part of decision making
 - Communicate with data consumers to get a sense of their priorities
 - GAC priorities list (ex: Aerial Photography, parcel data, street centerlines, address points, etc)
- Collaborate with MnGeo on a strategy for how they will archive their historical aerial imagery layers – possible pilot (**February 2019**)
- Draft outline of presentation for GIS/LIS (**March 2019**)
 - To be submitted in May 2019
- Explore ways to streamline or eliminate license agreements (**April 2019**)
- Explore what an archiving agreement would look like (**May 2019**)
 - Agreement for archiving services
 - Agreement to retain data in the archive per data retention policies
- Create an archiving strategy that includes policies, best practices, and procedures to be reviewed by the geospatial community and approved by the GAC (**June 2019**)
 - Identify possible repositories for data
 - Estimate costs associated with the archiving data
 - Recommend funding strategy
- Report for GAC (**July 2019**)

- Educate the geospatial community about archiving – benefits, costs, what does it mean (send communications by **March 2019**)
 - Recruit testimonials from data consumers who benefit from historical data, they are often not the data creators
 - Present at 2019 GIS/LIS (**October 2019**)

Roles and responsibilities:

- David Bendickson - Minnesota National Guard
- Art Botello - Minnesota Department of Transportation
- Len Kne - University of Minnesota
- Mark Kotz - Metropolitan Council
- Mike Koutnik - Esri
- Geoff Maas - MetroGIS
- Karen Majewicz - University of Minnesota Libraries (Vice Chair)
- Andra Mathews - Minnesota Center for Environmental Advocacy
- Ryan Mattke - University of Minnesota Libraries (Chair)
- Dan Ross - MnGeo
- Ben Timerson - Minnesota Department of Transportation
- Hal Watson - MN.IT Natural Resources

Estimated time commitment for participants is two to five hours per month (one hour per month for group meeting, one hour per month for group meeting preparation, and up to three hours per month to accomplish the work of the group). Some participants will be needed to work on specific one-time tasks that may be more time consuming.

Resources:

N/A

Committee/workgroup needs:

None at this time

Dependencies and interrelationships:

None at this time

Risks:

Risks include a lack of interest or enthusiasm from data producers, technical requirements for possible pilot projects, and possible complications arising from data licenses.

Risk mitigation will include outreach and communication about the goals of the workgroup, planning and collaboration with regards to technology, and a review of the various licenses applied to the data by data producers.

Additional Comments:

None at this time

Date approved by the Geospatial Advisory Council:

Agenda Item 11. Sector Report - Bendickson

34th Infantry Division Deployment to CENTCOM

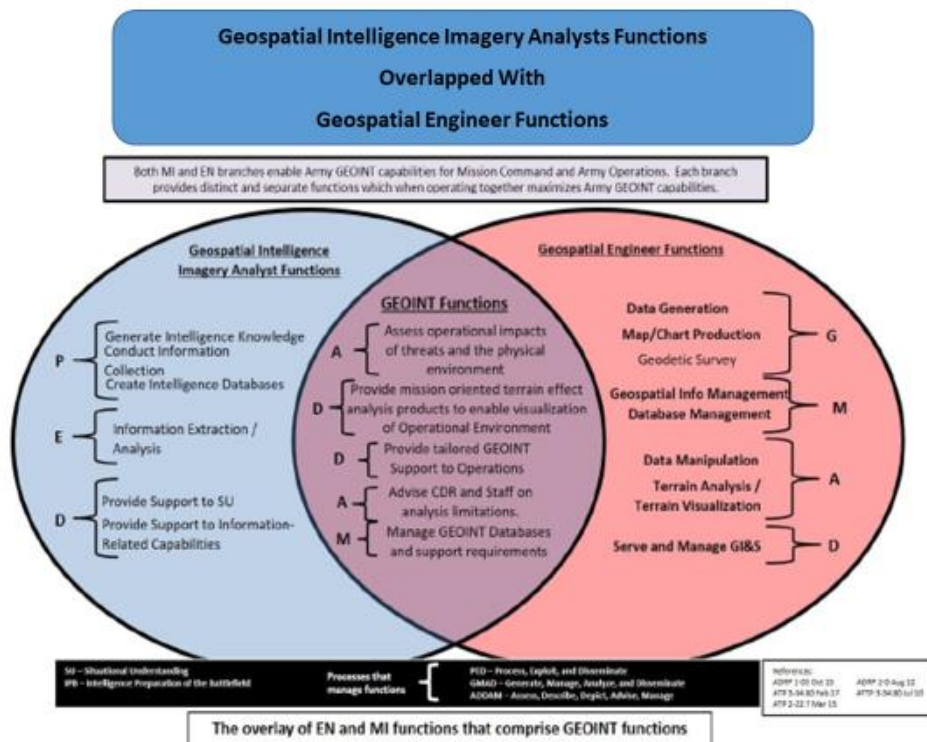
What is a Division? A large military formation consisting of 10,000-20,000 Soldiers. It is commanded by a Major General (Two star general) and historically was the default unit capable of combined arms operations. Since the War on Terror, when a division is deployed, they are a geographic command post. A Brigade Combat Team (commanded by a Colonel) is now responsible for combined arms operations.

The entire 34th Infantry Division has over 23,000 Citizen Soldiers in nine states. This is the headquarters element of the 34th Infantry Division with several hundred Soldiers deploying.

Deployment is in September and redeployment is July 2019

The GEOINT section consists of both Imagery analysts and geospatial engineers. 21 Total people will be in the GEOINT section, deployed to 4 countries: Kuwait, Jordan, Saudi Arabia, and Bahrain. There will be a mix of Minnesota National Guard, Army Reserve, and National Guard soldiers from other states. The GEOINT section will synchronize GIS and Imagery Intelligence operations across CENTCOM and will support around 9,000 Soldiers.

This is part of Operation Spartan Shield and they will conduct stability operations in CENTCOM.





2018 National Preparedness Month
Weekly Themes:

Week 1: (Sept 1-8)
 Make and Practice Your Plan

Week 2: (Sept 9-15)
 Learn Lifesaving Skills

Week 3: (Sept 16-22)
 Check Your Insurance Coverage

Week 4: (Sept 23-30)
 Save for an Emergency

September 15:
 Prepareathon

2017 Disaster impacts

Hurricanes and wildfires impacted 15% of the US population.

More disaster survivors registered for assistance than the past ten years combined.

Minnesota Army and Air National Guard assets were deployed to Texas, Florida, Puerto Rico, and the US Virgin Islands.

FEMA is substantially revising their evacuation/ shelter in place policies. FEMA will also work closer with State/Local Tribal/Territorial (SLTT) Governments to be more prepared. FEMA is also taking efforts to reduce the complexity of assistance programs.



Substantial Change to UAS (drone) policy regarding National Guard Support to Domestic Operations.

Old Policy:
 It would require SECDEF (Secretary of Defense) approval for all UAV assets used in domestic operations.

- New Policy:**
 Governors may authorize the use of UAS issued to the state if
- 1) The systems are not allocated for a DoD mission (scheduled to deploy)
 - 2) Only authorized uses are Search and Rescue or Incident Awareness and Assessment
 - 3) Sensors cannot target specific US Persons without consent (implied consent for SAR)
 - 4) Use in accordance with FAA policies
 - 5) Personnel serve in a State Active Duty Status
 - 6) States inform National Guard Bureau within 24 hours of use.



**Scan Eagle
 Shadow
 Raven**

Agenda Item 13. GAC Priority Projects and Initiatives

GAC Rank	Project or Initiative Name	Status	Project Owner	Champ
1	All public geospatial data in MN is free and open to everyone	Active	Len Kne	Ross
2	Assurance that the current MnGeo imagery service will be maintained and improved via a sustainable funding model, including policies on what layers are added and removed over time	Active	Mike Dolbow	Ross
3	State wide publicly available address points data (including a data standard)	Active		Ross
4	State wide publicly available street centerline data (including a data standard)	Active		Ross
5	Improvements to MnGeo imagery service capabilities, such as HTTPS, tiling, downloading options, and increased refresh frequency	Active	Mike Dolbow	Ross
6	A policy and procedures for archiving and preserving historical geospatial data	Proposed	Ryan Mattke	many
7	State wide publicly available parcel data (including a data standard)	Active	George Meyer	
8	Updated and aligned boundary data from authoritative data	Proposed	Preston Dowell	
9	Having aerial photography collections from dozens of years and geographic areas, with no retirement or removal of layers within a freely accessible imagery service	Active	Mike Dolbow	Ross
10	An emergency management damage assessment data standard for rapid, post-event damage assessment GPS field collection	Active	Anderson/Richter	
11	Support to move us forward toward updated LiDAR data and related standards.	Active	Gerry Sjerven	
12	MN-focused basemap services	Active	Sonia Dickerson	Ross
13	Parks and trails data standard	Active	Jim Bunning	Ross