

Minnesota Geospatial Advisory Council Meeting

December 20, 2023

10:00AM – 12:00PM

(Meeting will be recorded for transcription purposes only)

Online Option: Via Microsoft Teams

Agenda

1. Call to Order (Chair)	10:00	15 min
a. Introductions		
b. Approval of Agenda		
c. Approval of Meeting Minutes from September 13		
2. Review and Accept Committee Summaries (All)		
a. Outreach Committee update (Bontrager)	10:15	5 min
3. 3D Geomatics update (Sjerven/Vaughn)	10:20	10 min
4. PLSS Update (Veraguth/Thurnau)	10:30	5 min
5. Open/Opt-In Data Update (Anderson)	10:35	5 min
6. Updates from MN GIO (Slaats)	10:40	10 min
7. GAC NSGIC Accounts (Wakefield)	10:50	5 min
8. Break & Networking	10:55	10 min
9. Annual Priority Projects Survey Results (Maddox)	11:05	45 min
a. Recruitment		
10. Announcements or Other Business (All)	11:50	10 min
11. Adjourn	12:00	

GAC Committee and Workgroup Reports

3D Geomatics Committee

Most Recent Success

- 3DGeo 3DEP Compliant Lidar Status web map was released.
- Completed review and update of the 3DEP Data Delivery Option (OPR and FVA Data) document.
- Derivatives subgroup delivered sample data derived from lidar to MnGeo staff for testing with ESRI.
- Lidar derived Hydrography Outreach Talking Points document created.
- Team members delivered 8 3DGeo 3DEP lidar presentations to stakeholders, partners and customers.
- Approved and forward the Basin ID Standard to the MnGAC standards committee for next steps towards approval.

Next Activity/Task

- Developing an updated workplan for 2024, with complete list of accomplishments from all workgroups.
- Confirming membership frequency of meetings.
- Confirm the roles and connections between the individual workgroups and the 3D Geomatics Committee.

Barriers

- Managing expectations on delivery of derived products as raw data arrives.

Awards Committee

Most Recent Success

- None since last submission

Next Activity/Task

- Continue work on updating website, solicit nominations

Archiving Imagery Workgroup

- Not currently active

Emergency Preparedness Committee

Most Recent Success

- Attendance at EPC quarterly meeting of 12/14/2023 was 13 in person, 30 online.
- EPC priorities for 2024 were set by Leadership Team during meeting of 11/30/23. Primary point of focus will be determining the best available data sources for critical infrastructure information and then working with MGAC and MnGeo to document an official approval process. A follow-up effort will focus on determining steps to publish that data for use by federal, state, county, local and tribal governments.
- Underground Utility Mapping Project Team FuzionView project website continues build out at fuzionview.org. PHMSA grant for \$100,000 in support of software development received effective 10/1/23. Michigan 811 services currently considering participation in the project.
- EPC led US National Grid Institute (usngi.org) effort continues to grow. Florida State University to provide three interns in full time support effective 1/1/24. Multiple projects underway.

Next Activity/Task

- Multiple project team activities underway too numerous to adequately describe within the intent of this section.

Barriers

- Failure of Minnesota State government to provide the EPC with dedicated funding and personnel to support a range of programs which are improving the safety and security of every Minnesotan.

Request for Assistance

- Dedicated state money and personnel to support efforts which are improving the safety and security of every Minnesotan.

EPC Critical Infrastructure Assessment Workgroup

Most Recent Success

- Provide data status review for the MN State Hazard Mitigation Plan
- Updated website on EPC page: <https://mgacepc.org/ciapt/>
- Identified updates for Mn GeoCommons critical infrastructure and utilities pages

Next Activity/Task

- Implement changes in Mn GeoCommons critical infrastructure and utilities pages
- Align known apps in MN using C.I data
- Prioritize 2024 activities

Outreach Committee

Most recent success

Re-establishment of committee structure and leadership, update of charter, workplan, and website content including contacts.

Barriers

Limited resources and time are a constraint.

Next task

Continue working on development of GAC esri Hub pages for the committee including content development and migration standards. Continue working to increase open geospatial data access with counties and to develop geospatial success stories to share with the public.

Request for Assistance

The committee would appreciate any support from potential members that can commit to one of the subgroups or primary committee as a regular participant.

Open (Foundational) Data Workgroup

Most Recent Success

- To date:
 - Parcel Opt-In: 49
 - Address Points Opt-In: 24

- Road Centerlines Opt-In: 24
- Frist publication of the centerlines opt-in data to the geospatial commons

Next Activity/Task

- Considering an open data workshop
- Development of an opt-in survey to cast a wide net for those interested in data sharing who may not have been contacted yet
- Focus sub-committee efforts on hard to convince data producers

Request for Assistance

- Need more communication between counties promoting the cause

Success Stories for Geospatial Technology Workgroup

Most Recent Success

The workgroup has met three times during the last quarter, making good progress with the mission to share the importance of all of the amazing work our geospatial colleagues perform everyday to stakeholders outside the geospatial community. We met with the group managing the GIS/LIS Member Showcase Hub site (<https://showcase-mngislis.hub.arcgis.com>) and talked about how the two groups can collaborate. Thanks to everyone who has worked to configure the hub site for the initiative.

Next Activity/Task

The group is off until January and then will start defining practices for sharing geospatial success stories. Parcels and Land Records Committee

PLRC Boundary Alignment Workgroup

Most Recent Success

- Developed PLSS Point Standard and will be presenting it to MACS and MSPS members to solicit feedback. The primary standard may be integrated into the PLSS Monument Grant Program.

Next Activity/Task

- Present standard to MACS and MSPS in order to solicit feedback.

Barriers

Volunteer time

Standards Committee

Report date:

December 8, 2023

Prepared by:

Mark Kotz, Chair (mark.kotz@metc.state.mn.us)

Curt Carlson, Vice Chair (curtis.carlson@state.mn.us)

Meetings in 2023:

10/16/23 Standards Committee meeting

11/28/23 Committee leaders meeting with Basin ID standard subject matter experts

Full committee [Meeting minutes available here](#)

Progress on work plan:

1. Maintain domains for existing GAC standards
 - a. Committee has made minor adjustments to several standard domains as needed.
2. Work with stakeholder groups to modify remaining original Governor's Council on Geographic Information (GCGI) standards to the GAC format and have adopted by the GAC. This will involve review and possibly changes to these standards.
 - a. Committee leaders are working with subject matter experts on a revised draft of the Lakes and Wetland Basins ID Standard
3. Facilitate the creation of usage guides for key GAC standards
 - a. No progress
4. Other
 - a. Committee has made minor modifications to several standards to improve clarity.

PLSS Preservation Committee

Most recent success

- MnGeo Survey Coordinator Onboarded October 25th
- Meetings with: Finance, Procurement, OGM, MNIT Legislative Director, General Counsel
- Office of Grants Management (OGM) Training
- Request for Proposal (RFP) converted to new OGM template
- PLSS Preservation Committee has met weekly since Nov. 6th
- Developed application exhibits & FAQs
- Grant overview presentation at MSPS Winter Meeting
- Outreach & discussions with counties & land surveyors
- Submitted RFP & application to MNIT General Counsel for review
- Research & review of Grant Management Solutions

Next Activity/Task

- Acquire & Develop Grant Management Solution. (6-8 weeks)
- Consider & Incorporate General Counsel comments.
- Outline & Finalize Financial & Procurement Grant Process'
- Outline Pre-award Risk Assessment Process
- Final reviews of RFP and application exhibits
- Implement & test grant management system
- Open application period end of January or beginning of February
- Award & execute first grant award contracts March-April 2024
- PLSS Legislation will be considered in the next legislative session.

Annual Priority Project Survey Results/Prioritization Exercise (discussion)

List of active 2023 Priorities

Project or Initiative Name	Status
Parcel Data	Active
Critical Infrastructure Data Workflow	Active
Updated & Aligned Boundary Data	Active
Address Points Data	Active
Road Centerline Data	Active
Culvert Data Standard	Active
Publication of Open Foundational Datasets	Inactive
Lidar Data	Active
U.S. National Grid Materials	Active
Remonumentation of all Section Corners	Active
MnGeo Image Service Improvements	Active
Geodata Archive Implementation	Active
Underground Utilities Data Sharing Team	Active
Success Stories for Geospatial Technology	Active/Recruitment underway
Geospatial Commons Advisory Group	Recruitment underway
Hydro-DEMs	Active
Summary Crime Data	Active
NG9-1-1 Geospatial Forum	Recruitment underway

Project/Initiative list from recent Priority Survey

Minnesota Geospatial Advisory Council Priorities - 2024

Each of the below numbered items is a separate priority for the [Minnesota Geospatial Advisory Council](#) (GAC) in 2024. The active status of these priorities may vary. These priorities are listed by category, not order of priority.

Category: Open Data

1. **Statewide Parcel Data** - Statewide publicly available parcel data in the [GAC Parcel Data Standard](#).
2. **Statewide Address Points Data** - Statewide publicly available address points data in the [GAC Address Point Data Standard](#).
3. **Statewide Road Centerline Data** - Statewide publicly available road centerline data in the [GAC Road Centerline Data Standard](#).
4. **Publication of Open Foundational Datasets** - Published foundational datasets shared nationally through open data and commercial sources. Foundational datasets are defined as parcels, addresses, road centerlines, and critical infrastructure.
5. **More Fully Attributed Statewide Parcel Data** - An effort to increase the presence of field values within the statewide publicly available parcel dataset and as defined by the [GAC Parcel Data Standard](#).

Category: Emergency Preparedness, Emergency Services, Criminal Justice

6. **Critical Infrastructure Data Workflow** - A workflow for developing, sharing, and maintaining statewide, publicly available, authoritative geospatial data for primary critical infrastructure themes.
7. **Underground Utilities Data Sharing Team** - A project team to develop geospatial data sharing methodologies to support the state's underground utilities community.
8. **U.S. National Grid Materials** - Maps, procedures, templates, and other materials to help all levels of government implement the U.S. National Grid.
9. **Summary Crime Data** - Summary data by region for property crimes in an accessible GIS format.
10. **NG9-1-1 Geospatial Forum** - A forum (committee, workgroup, etc.) for MN geospatial professionals to discuss and share best practices, standards, lessons learned, etc. for implementing and supporting the geospatial components of Next Generation 9-1-1 (NG9-1-1).
11. **State Business License Data** - Statewide, publicly available, authoritative geospatial data for businesses with state-required licenses, permits, or registrations.

Category: Data Standards, Guidelines, Best Practices

12. **Culvert Data Standard** - A culvert data standard for data sharing across the geospatial and infrastructure asset management communities and to support development of a future statewide culvert inventory.
13. **Fire Hydrant Data Standard** - A data standard for fire hydrants.
14. **Parks Data Standard** - A data standard for parks.
15. **Planned Land Use Data Standard** - A data standard for planned land use.
16. **Recreational Trails Data Standard** - A data standard for recreational trails.
17. **Street Parking Restrictions Data Standard** - A data standard for street parking restrictions.
18. **Snow Emergency Parking Data Practices** - Best practices / guidelines for sharing snow emergency parking restrictions between cities.

Category: Data Development, Data Storage, Data Services

19. **Updated & Aligned Boundary Data** - Updated and aligned boundary data from authoritative sources.
20. **Statewide County Boundary Dataset** - A single, aligned statewide county boundary dataset available on the [Minnesota Geospatial Commons](#).
21. **Lidar Data** - New lidar data acquisition across Minnesota for use in developing new derived products guided by committee-developed standards.
22. **Hydro-DEMs** - Accurate hydro-DEMs (hDEMs) that serve modern flood modeling and hydro-terrain analysis tools, and the development of more accurate watercourses and watersheds.
23. **Strategy Team for All Types of Imagery** - A project team to develop a long-term, statewide strategy for optical, lidar, radar, aerial, and satellite imagery.
24. **Statewide Imagery Program** - A long-term effort dedicated to optimizing the acquisition, inspection, documentation, distribution, and archiving of statewide imagery.
25. **Basemap Services** - Statewide and regional (e.g., Twin Cities metro) publicly available basemap services.
26. **Inventory of MN Geodata Assets** - An inventory and assessment of Minnesota's geospatial data assets.
27. **Geospatial Commons Advisory Group** - An advisory group to provide advice, guidance, and strategic direction for the Minnesota Geospatial Commons from the broad perspective of the MN geospatial data stakeholder community.
28. **MnGeo Image Service Improvements** - Improvements to the MnGeo Image Service, such as Web Mercator support, tiling, and complementary features such as downloading options and a composite of latest leaf-off imagery.
29. **State-hosted GIS Servers with Feature Services** - A collection of feature services hosted by MnGeo and accessible on the Minnesota Geospatial Commons for public consumption.
30. **Geodata Archive Implementation** - Implementation of an archive for Minnesota geospatial data.

Category: Outreach

31. **Success Stories for Geospatial Technology** - Outreach and education to show success stories for geospatial technology.
32. **K-12 GIS Resources Group** - A team dedicated to developing resources for K-12 educators to learn, practice, and implement GIS in the classroom.

Category: Public Land Survey Preservation

33. **Remonumentation of all original federal Section Corners** - Remonumentation of all original Minnesota section corners set by the national General Land Office.
34. **Statewide Survey Records Inventory** - An inventory and assessment of land survey records held by government agencies within the state of Minnesota.