

Minnesota Geospatial Advisory Council Meeting

May 29, 2019

Room 302W, Centennial Office Building

(check in at the second-floor reception desk)

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 3/6/2019		
2. Review and accept committee summaries (All) – <i>page 2</i>	11:15	5 min
3. Road Centerline Data Standard approval (Kotz) – <i>page 10 & handout</i>	11:20	10 min
4. GCGI standards - Positional Accuracy & US National Grid (Kotz) – <i>page 10 & handouts</i>	11:30	5 min
5. GAC standards approval process (Kotz) – <i>handout</i>	11:35	5 min
6. Archiving Workgroup update (Mattke)	11:40	15 min
7. Awards group status (Richter)	11:55	5 min
8. Break Networking	12:00	30 min
9. GAC appointment process (Rader)	12:30	5 min
10. Metro Stormwater Data Project (Maas)	12:35	20 min
11. Sector reports (Richason & Anderson)	12:55	20 min
12. Legislative updates (Ross)	1:15	10 min
13. Updates on MN GAC priority projects and initiatives – <i>page 11</i>	1:25	20 min
14. Announcements or other business	1:45	15 min
15. Adjourn	2:00	

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

3D Geomatics Committee

Report date: 5/17/2019

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

Meetings:

- Steering committee
 - 3/19/2019, 4/16/2019, 5/21/2019
- Hydrogeomorphology Workgroup
 - 3/12/2019, 4/9/2019

Progress on work plan & Next Steps:

- Committee and Workgroups are on track for meeting objectives for the year.
- Established a new goal to develop a Statewide Plan for Lidar in Minnesota by October 2019
- Discussion and formation of the Acquisition Workgroup in progress, Workplan and recruitment will be developed over the summer.
- Updates for Agendas, Minutes, ongoing
- Developed a SharePoint site for committee collaboration, hosted by MnGeo and administered by Alison Slaats
- Continue to explore adding new members to the Committee
- Education Workgroup
 - Developed a workplan, beginning recruitment in Summer 2019
- Infrastructure Workgroup (Colin Lee)
 - Developed a draft for a workplan. Trending toward approval followed by further recruitment.
- Hydrogeomorphology Workgroup (formerly the Hydrography Workgroup)
 - Name officially changed in April 2019
 - Continues to host monthly meetings
- Next Steps and Role for the Steering Committee
 - Full updates on all workgroups for the Fall 2019 GAC meeting
 - Develop draft of Acquisition Workgroup workplan
 - Continue updating the website
 - Present 'Let's Talk About Bringing New and Enhanced Lidar Data to Minnesota' at the 2019 MN GIS/LIS Consortium Conference in St. Cloud, MN

Archiving Workgroup

Report date:

Tuesday, May 14, 2019

Prepared by:

Ryan Mattke, Workgroup Chair, matt0089@umn.edu

Meetings:

The workgroup met on December 11, January 2, February 11, April 3, and May 1.

Meeting minutes are available here: <https://www.mngeo.state.mn.us/workgroup/archiving/>

Workgroup will continue to meet monthly.

Progress on work plan:

- Completed the [2018 Public Geospatial Data Archive Survey](#)
- Drafted a [Priority Datasets Report](#)
- Working with MnGeo on a pilot for archiving imagery data
- Developed template license language for data to be archived
- Developing a draft Archiving Agreement (to include data collection policy, end-user access policy, preservation policy, license language, terms of use, content guidelines, and support levels for various files types)

Additional comments:

Emergency Preparedness Committee

Report date: May 16, 2019

Prepared by:

Randy Knippel

GIS Manager, Dakota County

Randy.knippel@co.dakota.mn.us

Steve Swazee

President, SharedGeo

sdswazee@sharedgeo.org

Meetings:

May 20, 2019 – Damage Assessment Tiger Team meeting

March 21, 2019 – Full Committee meeting

January 24, 2019 – USNG Implementation Working Group (IWG)

April 24, 2019 – USNG Implementation Working Group (IWG)

Progress on work plan:

USNG Tiger Team

Randy Knippel - lead

- USNG Implementation Working Group (IWG)
 - <https://sites.google.com/a/sharedgeo.org/usng-iwg/home>
 - Continuing quarterly meetings
 - 24 participants (nation-wide)
 - Continuing with 3 committees
 - Administrative (Swazee leading)
 - Technical (Knippel participating)
 - Training (Knippel leading)
 - USNG Wikipedia page has been significantly enhanced:
 - https://en.wikipedia.org/wiki/United_States_National_Grid
- 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>
- Updated NAPSG Foundation ArcGIS Pro Map Book template with tasks:
 - <https://napsg.maps.arcgis.com/home/item.html?id=f93ebd6933cb4679a62ce4f71a2a9615>
- Other recent developments:
 - Esri has developed a “Grid Overlay widget” for Web Appbuilder which allows the U.S. National Grid to be easily incorporated into interactive GIS applications
 - <https://doc.arcgis.com/en/web-appbuilder/create-apps/widget-grid-overlay.htm>
 - Began project with MnGeo to create / update USNG maps for the entire State of Minnesota.
 - GISsurfer available (free interactive mapping that supports USNG)

- https://mappingsupport.com/p2/gissurfer.php?center=15T_VK_6701_7675&zoom=10&basemap=ESRI_National_Geographic
- Replaced former GMap4, which was retired due to onerous Google API licensing

Damage Assessment Tiger Team

Brad Anderson, Cory Richter - leads

- Next scheduled meeting is May 20, 2019
- Brad Anderson evaluated options for spring flooding
 - Implemented the Esri Damage Assessment template:
 - <http://moorhead.maps.arcgis.com/apps/webappviewer/index.html?id=0a0abed9b6cc4142bdb2ba9f6005464d>
- Generally evaluating Carlton County damage assessment data model for an initial standard

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
 - MetroGIS Regional Data Viewer Project (MESB)
 - NG911 data development
 - Data standards
 - Geo Commons
- Dakota County continues to host USNG maps for the metro region
 - <http://maps.co.dakota.mn.us/>
- Steve Swazee through 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

Image Service Sustainability

Report date: 5/13/2019

Prepared by:

Matt McGuire

Metropolitan Council

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Meetings:

None. First meeting scheduled for May 30th.

Progress on work plan:

Website created - https://www.mngeo.state.mn.us/committee/image_service/

All committee members contacted and confirmed.

Resource needs requested.

Additional comments:

Outreach Committee

Report date: May 15, 2018

Prepared by:

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

Meetings:

The Committee met on April 19, 2019. The meeting primarily discussed the work plan for the coming year and how the committee can help the other GAC committees with their outreach activities. The committee will meet again on June 17, 2019.

Progress on work plan:

- Activities: The committee will be meeting on a regular basis.
 - Committee members will be working to compare and contrast the County and City survey results. This analysis will help to determine next steps for promoting free and open data and how to address the obstacles to achieve this goal.
 - Committee members will be working with other GAC committee members to determine what outreach activities they want to pursue and how to coordinate across the committees to reach the appropriate GIS audiences.
- Accomplishments:
 - Reviewed and approved work plan.
 - Recruited a new Co-chair, Nick Meyers.
 - Held meeting on April 19.
- Progress toward achieving proposed goals:
 - Action items were identified at the meeting and team members were assigned tasks.
- Problems or impediments: None
- Required assistance: None

Additional comments:

None

Parcels and Land Records Committee

No report.

Standards Committee

Report date:

May 8, 2019

Prepared by:

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

Andra Mathews, Vice Chair | andra.mathews@state.mn.us

Meetings in 2019:

January 17, 2019 – full committee meeting

March 21, 2019 – road data standard public comment review subgroup meeting

March 28, 2019 – road data standard public comment review subgroup meeting

April 8, 2019 – full committee conference call meeting (due to snow storm)

April 20, 2019 – full committee 30-minute conference call meeting

[Meeting minutes available here](#)

Future meetings have not yet been scheduled.

Progress on work plan:

- Complete the Road Centerline Standard and have it approved by the GAC
 - Completed public review period with excellent comments and suggestions
 - Subgroup met twice to respond to comments and propose changes to standard
 - Committee discussed proposed changes and made final draft of standard
 - Requesting approval of standard at May GAC meeting
- Complete a revision to the parcel data transfer standard
 - Based on experience of metro counties adopting the standard, some minor revisions were proposed to the standard
 - Revisions approved by GAC at March meeting
- Modify several original GCGI standards to the GAC format and have adopted by the GAC
 - CTU ID, County ID and State ID standards were approved by GAC in March
 - US National Grid and Positional Accuracy Measuring and Reporting standards are up for approval at May GAC meeting
- Engage stakeholder groups to review and modify other original GCGI standards
 - A SME group of hydro practitioners at DNR is leading a review of three GCGI hydro-related standards.
 - Members of the sunsetted GAC metadata workgroup will be asked to contribute to a review of the metadata standard, as well as the MN Geospatial Commons team. The metadata standard will likely require a formal public review.
- Facilitate the creation of usage guides for key GAC standards
 - This is a work-in-progress in conjunction with MetroGIS and the NG 9-1-1 standards group.
- Complete a procedures document for the GAC standards process
 - The Committee approved a document and is requesting approval by the GAC at the May meeting.

- Additional NG9-1-1 proposed standards
 - No activity by the Standards Committee yet
- Promotional efforts for GAC standards
 - An abstract was submitted for the 2019 MN GIS/LIS Conference.

Agenda Item 3. Approve Road Centerline Data Standard

The purpose of this standard is to provide a single, commonly accepted set of attribute specifications for transferring and aggregating road centerline data in Minnesota.

This standard was proposed by the state NG9-1-1 Standards Workgroup. The standard integrates the Metro Regional Centerlines Collaborative (MRCC v. 1.7) Standard and key attributes identified by the NG9-1-1 Standards Workgroup.

The standard has been fine-tuned and improved with the benefit of two rounds of public review (January 28 - March 13, 2019 and April 9 - June 8, 2018).

The modified draft was approved by the Standards Committee on 5/2/2019. The Standards Committee requests approval by the GAC.

Agenda Item 4. Approve Positional Accuracy & US National Grid Standards

The Governor's Council on Geographic Information is the organization that preceded the GAC. The GCGI adopted 10 geospatial standards, beginning in 1994. At its September 2018 meeting, the GAC approved the idea of having the Standards Committee revisit these standards to update them, put them in the new GAC standards format and request approval by the GAC. Three of these standards were approved at the March GAC meeting. Two more are presented today for approval. See handouts.

- **Positional Accuracy Measuring and Reporting Standard**
- **United States National Grid Standard**

These two standards were reformatted to fit the GAC standards format; however, the content of the specifications of the standards remains essentially the same as when approved by the GCGI.

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 to be free and open to everyone	Active	Len Kne	Ross
2	Assurance that the MnGeo imagery service will be maintained and improved via a sustainable funding model, including policies on what layers are added and removed over time. Evaluate improvements such as Web Mercator, tiling, downloading options, and increased refresh frequency.	Active	Mike Dolbow	Ross
3	Updated and aligned boundary data from authoritative sources	Active	Preston Dowell	Ross
4	Statewide publicly available parcel data	Active	Mike Dolbow	Kotz
5	A policy and procedures for archiving and preserving historical geospatial data	Active	Ryan Mattke	many
6	Statewide publicly available road centerline data (including a data standard)	Active	Norman Anderson	Ross
7	New LiDAR data acquisition across Minnesota for use in developing new derived products guided by committee developed standards	Active	Gerry Sjerven	Ross
8	Statewide publicly available address points data	Active	Norman Anderson	Ross
9	MN focused basemap services	Active	Sonia Dickerson	Ross
10	A parks and trails data standard	Active	Jim Bunning	Ross
11	An emergency management damage assessment data standard to provide an accepted specification to support a request for State or Federal assistance after a disaster	Active	Anderson/Richter	
12	Accurate hydro-DEMs (hDEM) that serve modern flood modeling and hydro-terrain analysis tools, and the development of more accurate watercourses and watersheds	Active	Sean Vaughn	