

Minnesota Geospatial Advisory Council
3D Geomatics Committee Work Plan

3D GEOMATICS PROLOG

Work Plan Date:

November 30, 2017

Chair and Vice Chair:

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Link to Committee Charter:

The 3DGeomatics Charter
(http://www.mngeo.state.mn.us/committee/3dgeo/3dgeo_committee_charter.pdf)

ACCOMPLISHMENTS FROM 2017

Accomplishments

[N/A – To be established in 2018]

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WORK PLAN FOR 2018

Planned Activities and Deliverables:

- Engage GIS, remote sensing, and 3D geospatial communities to determine needs for specific data standards, products and workgroup focus. This will be accomplished by:
 - Engaging users through email survey of past committee members
 - Communications through MN GIS/LIS Consortium E-announcements
 - Review previous survey's to identify potential needs and areas of focus
 - Conduct surveys of other sectors of the state using the Geospatial Advisory Council's (GAC) - Outreach Committee, and Minnesota Geospatial Advisory Council meeting summary (GAC Yak publication)
- Create a Workgroup development template containing a generic mission statement, goals, and reporting procedures to guide Workgroup work plan establishment.
- Identify at least two 3DGeo Committee Workgroups by March 2018 and begin to solicit membership and assist with the development of Workgroup work plans.
 - Identify workgroup champions to lead formation of workgroups.
 - Each Workgroup will have a chair or co-chairs.
 - Each workgroup will have at least one member serving on the 3DGeo Executive Steering Team
 - Each Workgroup will strive to represent a wide range of expertise with active participation, minimum 6 meetings a year
 - Chair or Co-Chair will be available for 3D Geomatics Committee panel at the annual MN GIS/LIS Consortium Conference
 - Steer development of Workgroup mission statements, goals, work plans, and timelines
- Establish timelines for Workgroups.
 - Workgroups will develop drafts of work plans for 2018 for the March 2018 GAC meeting
- Explore the potential for a Workshop or user group meetings in 2018
- Expand content on MnGeo website for the distribution of 3D Geomatics Committee educational materials and serve as a clearinghouse of 3D technology information

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Committee Structure

Potential Workgroups (sectors of expertise):

- Hydrography
- Vegetation
- Infrastructure
- Emergency Management
- Managers and Stakeholders
- Soils
- Outreach and Education
- Data Standards, Management, and Governance
- Data Acquisition Planning and Funding

Committee Organizational Diagram

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3D Geomatics Committee Organization



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Roles and Responsibilities:

The current 3DGeo Committee Development Team is listed below. This Committee Development Team will transition into the 3DGeo Executive Steering Team. Some listed will be on a workgroup. Membership will expand for each workgroup and will solicit invitations to members of related historical committees and workgroups.

Committee Development Team

Name	Workgroup/ Sector	Agency	Email
Gerry Sjerven	Infrastructure/ Utility (Co-Chair)	MN Power	gsjerven@mnpower.com
Sean Vaughn	Hydro/State (Co-Chair)	MNIT@DNR	sean.vaughn@state.mn.us
Dan Ross	At Large	MnGeo	dan.ross@state.mn.us
Clinton Little	Stakeholder/ Manager	DNR	clinton.little@state.mn.us
Jennifer Corcoran	Vegetation	DNR	jennifer.corcoran@state.mn.us
Joel Nelson	Hydro/Education	U of MN	nels1945@umn.edu
Mark Reineke	Hydro/Private	WSN	mark.reineke@wsn.us.com
Chris Sanocki	Hydro/Federal	USGS	sanocki@usgs.gov

Resources:

The 3DGeo Committee will use the work and accomplishments of many earlier committee efforts.

Past Committees

Digital Elevation Committee

(<http://www.mngeo.state.mn.us/committee/elevation/index.html>)

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LiDAR Research and Education Subcommittee

(http://www.mngeo.state.mn.us/committee/elevation/research_education/index.html)

Hydrography Committee (<http://www.mngeo.state.mn.us/committee/hydro/>)

Data Resources

Elevation Data for Minnesota

(<http://www.mngeo.state.mn.us/chouse/elevation/index.html>)

LiDAR Elevation Data for Minnesota

(<http://www.mngeo.state.mn.us/chouse/elevation/lidar.html>)

November 4th, 2015 LiDAR Committee Scoping Meetings Materials

Committee/Workgroup Needs:

The Committee Development Team will be working with the GAC Outreach Committee and the MN GIS/LIS Consortium to help solicit membership for each workgroup, and identify workgroups missing from this plan. The development team and workgroups will utilize the GAC YAK as a way to connect and inform state and local agencies.

Dependencies and Interrelationships:

[To be established in 2018] As the workgroups are formed and identified, relationships and dependencies will be identified by those groups.

Risks:

- LiDAR and other 3D data procurements will not be standardized.
- Inaccuracies will be incorporated into future derived elevation data.
- Lack of standards for data development and data application of 3-D data derived products.
- Projects utilizing state funding will produce data not suitable for distribution and application in other projects.

Additional Comments:

[To be established in 2018]

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Date approved by the Geospatial Advisory Council:

December 6, 2017