

Minnesota Geospatial Advisory Council

Emergency Preparedness Committee Work Plan

Work Plan date: January 30, 2018

Chair and vice chair:

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Link to committee/workgroup charter:

<http://www.mngeo.state.mn.us/committee/emprep/EPC-Charter-2014.pdf>

Accomplishments from 2017

- Conducted 3 formal meetings, including a committee business meeting and an education presentation open to anyone
- General public safety presentations and forums
 - September 13 - Richter, GIS Day, Blaine, MN
 - October 5 - Richter, Where Are My Socks?, MN GIS/LIS, Bemidji, MN
 - October 6 - Knippel, Richter, MGAC Brief, MN GIS/LIS, Bemidji, MN
 - October 6 - Knippel, GIS in the County Emergency Operation Center (EOC), MN GIS/LIS, Bemidji, MN
- U.S. National Grid Tiger Team
 - Randy Knippel joined MEMA, designated as their GIS Liaison to provide updates on general GIS activities in the metro area and the State
 - Presented at several conferences and forums promoting the U.S. National Grid
 - March 14, 2017 – Swazee, CGA 811 Safety Conference & Expo, Orlando, FL
 - May 24, 2017 – Swazee, Knippel, Tri-State USNG Summit, UW La Crosse, La Crosse, WI
 - August 16, 2017 – Swazee, Gopher One Call, Mendota Heights, MN
 - September 19, 2017 – Knippel, MGAC, St. Paul, MN
 - October 5, 2017 – Knippel, Introduction to the U.S. National Grid, MN GIS/LIS, Bemidji, MN
 - November 15, 2017 – Swazee, Percora 20, Sioux Falls, SD
 - Engaged with National USNG leaders on an on-going basis
 - Tom Terry, Geospatial Intelligence Officer, Geospatial Plans and Policy Branch, the original leader of the “X/Y Project” which led to the adoption of the U.S. National Grid
 - Talbot Brooks, Delta State University, one of the original National USNG leaders
 - Al Studt, Lieutenant, Cape Canaveral Fire Rescue, Florida Task Force 4 Urban Search & Rescue Team

- Rob Inouye – Cedar Falls Fire, USNG instructor
 - Joseph Elfelt – GMAP4 developer
 - Mark Whitney – U.S. Fire Academy
 - Jules McNeff, Vice President, Strategy & Programs at Overlook Systems Technologies, Inc. – Private sector federal GPS/GNSS policy advocate
- Engaged local GIS and emergency response USNG leaders and implementers
 - Mark Erickson, Assistant Fire Chief, South Metro Fire
 - Vicki Nelson, Dispatch Supervisor, Dakota Communications Center
 - BJ Kohlsted, Emergency Manager, Lake County
- Damage Assessment Tiger Team
 - The Workgroup’s first meeting was January 10th 2017. The Workgroup met a total of six times in 2017.
 - The Workgroup has collected requirements, documents, and best practices from a variety of sources, such as FEMA, HSEM, AMEM, and NSGIC.
 - Workgroup members engaged their local Emergency Managers, Fire Departments, and Building Codes officials to inform them of our efforts and to gather information on their (current) processes.
 - Cory Richter setup a Google drive location for the Damage Assessment Tiger Team to share and make available meeting minutes, the working data standards and reference material documents.
 - Brad Anderson compiled the existing data schemas of Damage Assessment collection for ESRI, Dakota County, and Washington County and formatted them into a comparison style spreadsheet. The first draft of the Minnesota Damage Assessment Data Standard was created by comparing fields from all of the data schemas.
 - The Workgroup conducted a Panel Discussion at the Minnesota GIS\LIS Fall Conference in Bemidji in October. Attendance was limited, but a good group discussion ensued for the full 80 minutes of the session. Copies of the Minnesota Damage Assessment Data Standard were handed out to the audience in Draft format for peer review. Feedback was encouraged.

Work Plan for 2018

Planned activities and deliverables:

- Conduct at least 3 meetings of the full committee
 - Discuss Tiger Team progress and provide guidance from the broader Committee
 - Knowledge and idea sharing
 - Educational presentations
- Focus on existing Tiger Team activities
 - U.S. National Grid
 - Mission: Promote the use of the U.S. National Grid
 - Increase participation in team
 - Identify and engage GIS and emergency services professionals in Minnesota who are currently involved in implementing the USNG
 - Participate in efforts to formalize regional and national USNG workgroups
 - Participate in efforts to develop state and national USNG resources
 - Websites, tools, procedures, documentation
 - Continue to pursue opportunities to increase awareness of the U.S. National Grid
 - Attend MEMA monthly meetings and provide updates on GIS activities in the State
 - January – USNG National Implementation Meeting, Online
 - February - HSEM Governor’s Conference, Brooklyn Center, MN
 - March – Intro to USNG, CGA 811 Conference, Phoenix, AZ
 - May – UMGEOCON, USNG Workshop and presentation, La Crosse, WI
 - October - Presentation at MNGISLIS Annual Conference
 - Others as they are identified
 - Continue to engage with National team
 - Continue to engage with local team
 - Create training videos
 - Damage Assessment
 - The Workgroup has decided to suspend its activities and meetings pending outcome of the WebEOC implementation at the State level.
 - John Moore, Recovery and Mitigation Branch Director with HSEM informed the Workgroup during our November 6th 2017 meeting that the State purchased WebEOC from Intermedix around June and the State is currently meeting and configuring the application for deployment. WebEOC uses the Esri Damage Assessment schema and Collector. Counties and cities of the first class will have access through the State to WebEOC and the field Collector app. The goal is to deploy WebEOC and the Damage Assessment application before the Super Bowl on February 4th 2018.
 - Workgroup members Todd Lusk and David Bendickson were appointed as liaisons for the WebEOC implementation. Communication has been infrequent with HSEM, but Todd and David will continue to be active in discussions with HSEM when they occur.
 - An update on the progress of the WebEOC integration is planned to be sent out to the Workgroup following the Super Bowl.
 - Angela Brown, Disaster Recovery Coordinator and others from HSEM will be in Moorhead for Damage Assessment training with the local Emergency Managers on March 14th. Project owner Brad Anderson will be involved and will hopefully be able to learn more

information on the status of the WebEOC implementation. An update will be sent out to the Damage Assessment Data Standard Workgroup.

- **NOTE:** Although the Workgroup has agreed to put its activities on hold pending the State WebEOC deployment, Matt Taraldsen, the ESRI member of our Workgroup felt strongly that the team should maintain our goal of developing a Minnesota data standard for Damage Assessment collection regardless of the implementation of WebEOC by the State. The schema of the draft Damage Assessment Data Standard our Workgroup has prepared closely parallels the ESRI Collector schema that will be used by WebEOC.

Roles and responsibilities:

- U.S. National Grid
 - Leader: Randy Knippel, Dakota County
 - Randy is the primary participant in this group and engages a cadre of other people in the GIS, Emergency Management, and Public Safety communities that are also implementing the USNG, as needed.
- Damage Assessment
 - Leader: Cory Richter, City of Blaine
 - Cory has established a list of participants representing local government in the metro area and out-state area, as well as the private sector.

Resources:

- Committee members primarily rely on the resources available to them through their employer, with their employer's endorsement:
 - Time commitment
 - Software and hardware
 - Expenses
- SharedGeo provides additional resources as they are able to, when it fits within their mission, business plan, and budget
- USNG Tiger Team
 - Randy Knippel, Dakota County (Chair)
 - Steve Swazee, SharedGeo
 - Randy and Steve perform the direct work focused on outreach and education
- Damage Assessment Tiger Team
 - Adam Snegosky, Washington County
 - Brad Anderson, City of Moorhead Project Owner
 - Cory Richter, City of Blaine Project Co-Chair
 - Geoff Maas, MetroGIS (Chair, GAC Standards Committee)
 - John Mackiewicz, WSB & Associates
 - Matt Taraldsen, ESRI (Solutions Engineer – part of ESRI's Disaster Response Team)
 - Philip Nagel, City of Waseca
 - Todd Lusk, Dakota County Project Co-Chair
 - Steve Swazee, SharedGeo (Emergency Preparedness Committee Chair)
 - John Moore, HSEM (Recovery and Mitigation Branch Director)
 - David Bendickson, MNARNG

Committee/workgroup needs:

- Committee will work within the constraints of the capabilities and availability of its members

Dependencies and interrelationships:

- This Committee depends on support from MnGeo, to the extent they are able to provide it
 - Publish and update statewide U.S. National Grid maps
 - Provide formal endorsement when necessary
 - Engage State agencies where applicable
 - Promote the use of the USNG in State agencies
 - Act as liaison to State agencies when necessary

Risks:

- Potential instability caused by leadership or participant availability
 - Mitigation:
 - Ensure leaders and participants and their sponsoring organization (employer) have a vested interest in their mission
- Lack of MnGeo supporting resources
 - Mitigation:
 - Keep MnGeo informed of activities that could benefit from their involvement so they can plan accordingly
 - Minimize this dependency

Additional Comments: none

Date approved by the Geospatial Advisory Council: March 28, 2018