

Geographic Information Coordinating Council  
**MANAGEMENT AND OPERATIONS COMMITTEE**

October 17, 2016

1:00 to 2:30 PM

Center for Geographic Information and Analysis  
301 North Wilmington Street, 7<sup>th</sup> Floor  
Room 770A

**MINUTES**

1. Chair Stan Duncan welcomed Bob Brinson, Bob Coats, Anca Grozav, Joe Sewash, Tim Johnson and Jeff Brown and on the phone Kathryn Clifton, John Farley, and Silvia Terziotti
2. Minutes of the September 19 meeting of the Management and Operations Committee were approved for adoption as submitted.
3. Quick Updates

a. AddressNC

Joe Sewash reported that the *AddressNC* steering committee met twice in September and the core project team was active. The current focus is on collection of user stories for purposes of prioritizing and documenting requirements for a database and services. On the national level, NSGIC nominated five people to serve on the first Federal Geographic Data Committee (FGDC) Addressing Subcommittee. That group will provide feedback to the Department of Transportation and the Census Bureau in the development of the National Address Database (NAD). Mr. Sewash is one of the nominees. At the upcoming NSGIC conference there will be presentations from states and meetings of the committee to provide feedback on the NAD's pace and priorities as well as feedback to the National Emergency Numbering Association (NENA) on the National Emergency Address Database.

Mr. Duncan added that David Baker of NC Department of Revenue is very interested in applying *AddressNC* to improve sales tax collection from point-of-sale and revenue distribution to jurisdictions. Mr. Sewash commented that *AddressNC* is the best way to solve that pressing business need and this is a good story to express the value.

b. Census Geospatial Data

Mr. Coats reported that he was at a meeting at the Census Bureau two weeks ago and has a draft timeline for Census 2020. LUCA engagement begins in January 2017. Voting district verification is underway. The Block Boundary Suggestion Project (BBSP) submissions will be expected along with LUCA. The Participant Statistical Areas Program (PSAP) begins in late 2017. Unincorporated places and tribal areas can define boundaries in the PSAP period (2017-2020) for Census statistics. Where places or tribal areas cross county boundaries, the Census Bureau prefers PSAP work to be organized around lead regional organizations. The GICC should probably be involved in a way to be determined. Census "places" include incorporated cities and

towns and unincorporated “Census Designated Places.” Census places do not distinguish between cities, towns, villages, etc.

Meanwhile, the Office of State Budget and Management is proceeding with automation of the State Demographer’s process for collecting information from local governments to support population estimates. A spreadsheet will be the current approach, with intention to integrate geospatial data in the future. Mr. Duncan pointed out that all types of municipal boundaries will meet many needs across state government. An authoritative source for boundaries would be valuable.

Mr. Coats suggested that the Working Group for Geospatial Data should focus on communication with the NC League of Municipalities and NC Association of County Commissioners. Promotion of the value of a complete count could be articulated and Census fact sheets could be attached. Mr. Coats suggested that training would be useful, for example, related to the free Census GUPS software. Outreach in the next four to six months is important.

Mr. Coats added that the testing in Buncombe County is going well. Also, Census webinars are targeting partnership programs initially. He will share a link to recorded sessions for Management & Operations.

#### c. Statewide Orthoimagery

Tim Johnson reported that all counties have been reviewed completely in the 2016 imagery project area. Contractors are preparing deliverables to the State for final packaging and delivery to PSAPs in January. The project team has seen a decrease in the number of edit calls (visual flaws in imagery) indicating better quality in submissions from contractors. The reasons may be the compliance measures the contractors go through as well as the improved LiDAR in the coastal region. There was good quality review participation by local PSAPs and GIS coordinators.

This morning, the project team selected qualified contractors for the Eastern Piedmont 2017 project. Contract negotiations will occur during the week of Thanksgiving. Military bases will be included in 2017 flights and approvals are in progress. Mr. Johnson continues to seek information on local government plans to request additional products or higher resolution imagery from the flight contractors.

The group discussed unmanned aircraft systems and aerial imagery and limits on project scale and airspace issues. The NC GIS Conference will include sessions on UAS policy and UAS technology. Kyle Snyder also did a presentation at the NC Property Mappers Association conference in October.

#### d. NC Parcels

Mr. Brown reported that fall updates are in progress, with 40 completed to date. The parcels project team will accept the Exemplary Systems in Government award for a Distinguished Enterprise System at URISA in Toronto. Also, Mr. Brown will give a presentation at the National States Geographic Information Council (NSGIC) in October. Ms. Clifton offered to help reach out to counties during the fall update.

#### 4. Working Group for Professional Land Surveying and GIS

Bob Brinson reported that the working group continues to make progress on more than 40 use cases. Led by John Farley, a subset of the group will edit the use cases to focus on the issues (not people or companies) and integrate similar use cases into a smaller set to send to the working group prior to the next meeting on November 9.

Mr. Farley met with the surveyors' subcommittee of NC Board of Examiners for Engineers and Surveyors (NCBEES) along with Charlie Brown and Keith Johnston of NCDOT to get clarification on the government exemption. The meeting went well. The subcommittee concluded that the government exemption is still in place and was not altered by changes in the statute in 2014 and 2015. The conclusion was that work by NCDOT should continue as before. The caveat that has been in the statute for years is the "safety of the public" provision that should be narrowly interpreted, according to the subcommittee. Keith Johnston requested a statement in writing from NCBEES.

Mr. Farley observed that use cases may be useful to NCBEES as guidance examples for policies, and he expects agreement on most points raised by use cases. Continuing the course of the working group is important to produce guidance that is more practical than a list of datasets that are included or excluded from surveyor rules. GICC concern about private GIS practitioners should continue, as well, as a GICC responsibility.

On the topic of "safety of the public," Mr. Farley's understanding of a discussion is that it would rarely apply to surveying. For example, in the use case of creating digital representations of street centerlines, GIS responsibilities include data integrity to support use of the centerlines by safety-related emergency response vehicle routing. A digital road centerline would not be a factor in the safety of the public. Mr. Brinson added that it will be important to clarify the "safety of the public" concept to avoid a potential conflict.

Mr. Johnson received a call from URISA seeking information about North Carolina's work on PLS and GIS. He will attend a session on the topic at the URISA conference.

Mr. Brinson expected that the use cases will be the primary item on the agenda for November 9 along with identification of next steps. Documentation of the public exemption will be important, followed by analysis of private GIS and surveying.

In a discussion of a distinction between rules that go through a government rule making process and policies and model guidance adopted from a national body, there are processes that need to be followed. A key difference between NCBEES and GICC is enforcement authority which NCBEES has and the GICC does not. For example, an NCBEES policy that impacts someone's livelihood has to be published and reviewed before enactment, and may involve the Office of State Budget and Management. Mr. Duncan concluded that the PLS/GIS issues deserve careful and complete consideration and a collaborative resolution.

## 5. Response to Hurricane Matthew

Recently, Mr. Duncan reached Ron York, Council member from Duke Energy, who confirmed that the storm was hard to predict and the company lost 57 high tension transmission towers and significant power outages.

Mr. Johnson reported that, as Hurricane Matthew approached, Richard Taylor (911 Board) agreed to temporarily provide access to 2016 imagery services for the coastal region through NC OneMap. The imagery is still in quality control, but there was a strong case for making it available to NC Emergency Management, other state and federal agencies, local governments, and the public. NOAA imagery was added to a web application from NC OneMap to display before and after pictures. Ms. Clifton observed that the application reinforced the value of statewide imagery in emergency management.

Mr. Farley added that NCDOT provided a web service for the Traffic Information Management System (TIMS) that shows road closures in real time to assist in response. The system had been offline but it was reconstituted quickly to produce a consumable web service. The lesson learned is that right after an event there is a lot of data and ideas for improvements to respond to future events, but it is hard to follow up after resuming regular business operations or taking on other new projects. The GIS-based service was used internally and by other agencies. It required manual updates that could be automated potentially. NCDOT's public TIMS site does not have the capability to provide access to a consumable service that would help consumers identify detours around road closures.

Mr. Duncan added that John Dorman, NC Emergency Management, was quoted in reports on damage estimates that were based on the flood inundation mapping system that has evolved over several years into a valuable tool.

Mr. Brinson observed there may be an opportunity to communicate the value of GIS related to Hurricane Matthew. For example, a tear sheet associated with the GICC annual report, or some other format, could be used to communicate that investment in GIS benefited response and recovery. GIS and CGIA as elements of GDAC could be described in the context of the storm.

## 6. Committee Reports

Ms. Clifton reported that the Local Government Committee (LGC) will meet next on November 30. She expressed appreciation for an excellent metadata training session at the NC Property Mappers Association conference. It was well received. She would like to see the training reach more local governments across the state. She also noted the presentation at the conference on the NC Parcels Program went well also.

Silvia Terziotti reported that the Federal Interagency Committee (FIC) has not met since last month, but she would like to compile a list of actions by federal agencies in response to Hurricane Matthew to get a complete picture and to inform coordination in response to future events. Recovery phase activities will be included. Coordination between federal and state agencies is another aspect of response, e.g., USGS and the Floodplain Mapping Program

collecting high water marks. Mr. Brown observed that NOAA acquired imagery and published it the next day. Ms. Terziotti was impressed by NOAA's acquisition of imagery over inland areas during peak flooding. Mr. Farley added that NCDOT worked with the Federal Highway Administration on stream gage readings and high water marks and doing an analysis of bridges to identify inundation risk as the river levels kept rising days after the hurricane passed through. Ms. Terziotti offered to share data on high water marks for future analysis. USGS plans to publish inundation maps as well.

Mr. Sewash added that the Federal Emergency Management Agency (FEMA) did a great job reaching out to the states through NSGIC and its Geospatial Preparedness Group. They were meeting as early as Monday before the hurricane and held daily calls. FEMA flight teams were in Tallahassee by Tuesday and were in the air Thursday and Friday capturing imagery behind the storm as it moved up the Florida coast.

Mr. Farley reported briefly that the State GIS User Committee Executive Committee plans to meet to help collect user stories for *AddressNC*. Also, the limited services contract for state agencies is in progress, headed for legal review.

Mr. Brown reported that last week's SMAC meeting was cancelled due to many of the members being heavily engaged in response to Hurricane Matthew. NC Board on Geographic Names revisions are in progress to clarify roles and procedures. The Metadata Committee held metadata training sessions for the City and Greensboro and Guilford County, the NC Property Mappers Association, and the NC Arc User Group in the last few weeks. Sarah Wray and Lynda Wayne will do a presentation at URISA in Toronto, and NCDOT has engaged an intern from NC Central University to assist with metadata implementation.

## 7. Council Items

### a. November Meeting Agenda

Mr. York is not available to describe the value of GIS considering the response to the storm damage. That will give more time for committee reports. Mr. Johnson pointed out the agenda item for Hurricane Matthew and GIS, and suggested a longer segment at the February Council meeting for more stories, details, and lessons learned by various Council members and colleagues. NCDOT Aviation Division is committed to present on unmanned aircraft systems.

### b. Appointments

Mr. Chris Nida has been designated by Paul Meyer to serve on the Council representing the NC League of Municipalities. Also, the Community College System President has designated Mr. Wesley Beddard to serve on the Council. He is the Associate Vice President, Programs, and plans to attend the next Council meeting.

### c. Annual Report

Mr. Duncan and Mr. Brown have been drafting the report and looking at alternative formats for the information. The theme is the state is facing challenges and the work the Council has been doing for some time will help meet those challenges. Offering services and resources in collaboration with partners will be conveyed.

d. GICC Meeting Dates 2017

The meeting dates for the GICC in 2017 will be February 9, May 10, August 9, and November 8.

8. Other Items

Mr. Duncan added that Mr. Johnson and Mr. Brown will travel to Toronto to the URISA conference and accept an award on behalf of the Council (and Tom Morgan will accept the award on behalf of the Secretary of State) and make a presentation in a breakout session. The video is being edited and will be sent to URISA for the award breakfast.

Mr. Duncan reported that the Council of State signed off on the state boundary. The Governor's executive orders are pending. Counties are waiting for final executive orders before recording official notices and surveys. Changes on the North Carolina side will be effective January 1, 2017. Changes on the South Carolina side will take effect December 31, 2016. No one will be assessed by both jurisdictions. In the future, within North Carolina, more work is needed on county boundaries to resolve discrepancies, particularly to clarify taxing jurisdiction.

Regarding the NC GIS Conference 2017, Mr. Johnson reported that 25 exhibit booths have been sold to date; the goal is 50. The program is finalized and speakers are being contacted. There will be nine concurrent sessions.

9. Future Meeting Dates

The next M&O meeting is scheduled for December 13.

The meeting adjourned at 2:50 PM.