



# Maryland State Geographic Information Committee

A commitment to excellence in the development and coordination of geographic information technologies.

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Calvert County

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MD Dept. of Natural

Resources (DNR)

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Dorchester Co. Emergency Svcs.

## MSGIC Winter Quarterly Meeting Agenda

Wednesday January 18, 2017

9AM – 3:45PM

*Exelon Joint Information Center*

*100 Skipjack Road*

*Prince Frederick, MD 20678*

**9:00AM**

### Continental Breakfast – Sponsored by:



**9:30AM**

### Welcome and Opening Remarks – Patrick McLoughlin (MSGIC Chair)

- Thanks to Zekiah Tech for sponsoring breakfast
  - Bill Dollins—TUgis Plenary Speaker
- Agenda is adjusted based on timing needs; AM will be standard MSGIC business, then a break, then the NG911 Panel before lunch. After lunch will be lightening talks and Esri Training Coordinator, wrapping up with caucus meetings and a presentation by Calvert County.
- Around 40 attendees

**9:45AM**

### MSGIC Business (see powerpoint)

- Executive Committee members
- MSGIC Workgroups—looking for contributing members from MSGIC membership
  - NG911-Peter Hanna
  - Elevation-Roger Barlow
    - First meeting was in November 2016.
    - Goal is to have meetings 2x a year
    - TUgis will have a lunch time get together
  - Business Entity Data-Doug Adams
- Acknowledge MSGIC sponsors
- Renewing Memberships—it's that time of year
  - Review of membership types/opportunities

### Financial Report

- Funds are in great shape; used to cover costs of events, trainings and interns
  - Go To Meeting subscription
  - New MSGIC exhibit booth
- Looking for ideas on how to spend the money
- Kenny Miller—what happened with the MSGIC credit card? Patrick M—the resolution that was agreed upon at the last executive meeting.



To provide the flexibility of the credit card, we will use prepaid debit cards to the account, but will not allow the opportunity for unlimited access. The prepaid card will reside with the MSGIC Treasurer.

## By-Laws

- No Changes

## TUgis Conference

- Joint sponsorship with DoIT and Towson University
- Hosting a Resume Workshop
  - Format is changing this year in an attempt to reach more people
  - Contact Julie Spangler to participate
- Will have exhibit booth at TUgis
  - Call for volunteers
  - Contact Julie Spangler to volunteer
- Internship Opportunity
  - Will be requesting resumes soon

**10:00AM**

## Project Reports

Maryland Updates—Kevin Coyne (see powerpoint)

- MD iMap Status Dashboard
  - View operational status of all MD iMap Services
  - Search for services by name
  - Filter services by available capacities
  - Report an issue
- GIS SaaS Master Contract RFP
  - Will be available soon on eMaryland Marketplace
  - Three functional areas to be covered
- Statewide Imagery Program
  - Last deliveries to the counties occurring now for 2016 project
  - Western shore buy ups for 2017
    - Contact Lisa Lowe re: buy ups
- Statewide Training Program
  - In Person Courses
    - Thinking Spatially now available online
    - Intro to Desktop & iMap
    - Intermediation AGO & iMap
  - ArcGIS Pro Course coming Q2 2017
  - Check iMap Portal for calendar
    - Contact Lisa Lowe to register
- MD iMap Lidar Services
  - Hosted now on iMap Servers



- Salisbury servers will be shut down 2/3/17
- Slight reorganization of data folder-wise
- MD iMap Lidar Downloads
  - Predefined DEMs
    - Available via Dropbox
  - Predefined Point Clouds
    - Coming Soon
  - Focused Areas
    - Coming Soon
  - ?Roger Barlow—will there be guidance for the download and conversion? Matt Sokol—yes, there will explanations of how to use the tool and its limitations. Roger—some emphasis needs to be made to the user to advocate for project planning so they plan for the size of the data.
- New & Updated MD iMap Layers/Services
- MD iMap New Applications
  - Enacted Capital Budget Map for FY17
  - MD Radon Data map
  - FY17 Chesapeake Bay Budget Map
- SHA Updates
  - Mobility and Economy Dashboard (KPAs)
  - Asset Management FY17 Q3
  - SHA eGIS Portal FY18 Q1
  - Migrating AGS to 10.3.1
  - AGO Story Maps
    - Know your roads and who to call
    - Maryland's Freight Story
    - Performance Based Management Portal (MAP-21)
  - Will Arcgis Pro class be for state employees only? Julia—for right now just state employees and their onsite contractors; there will be a session or two donated to MSGIC.

Local Projects—Pat M opened the floor to anyone present

- No updates

Federal Projects

Roger Barlow—USGS Hydrography projects

- Washington County pilot went to 1:2400 scale hydrography continues to be worked on.
- Washington DC also has a project going; culverts are troublesome. A culvert mapping tool has been developed to assist with identifying the connectors.
- Chesapeake Bay Trust—working to digitize/upgrade NHD in the



Susquehanna Watershed; will have a meeting to discuss a more regional approach.

Kenny Miller

- NAPSG received a grant to look at the kinds of data first responders need during a flooding event
- Three workshops being held
- Outcome would be a prototype tool to assist with data on flooding events to discover information and where to get the information

Regional Projects—Erick Pate (see powerpoint)

- Tri-County Council for Western Maryland
- Hagerstown-Eastern Panhandle MPO
- Western Maryland Regional User Group
- Baltimore Metropolitan Council
- Washington Metropolitan COG
- Delaware Valley Regional Planning Commission
- Eastern Shore Regional GIS Cooperative
- Dover/Kent County MPO
- Calvert/St. Mary's MPO
- Southern Maryland GIS User Group

National Updates—Kenny Miller

- NSGIC Conference is Feb 27-March 2 in Annapolis; many interesting topics to be covered

Eric Benson--Nonprofit called Chesapeake Conservancy based in Annapolis; contracted for land use land cover 1M raster for the entire state; based on latest imagery and national land use dataset. Roger—done to assist with assessing nutrient loads and sediment to get everyone on a common denominator.

Housekeeping Notes-Pat M

- NG911 panel will follow networking break
- Lunch will happen in Prince Frederick
- Quick Intros

**10:45AM      Networking Break**

**11:15AM      NG911 Panel Discussion**

Panel: *Patrick Callahan, Tony Rose, Robert Horne*

Moderator: *Peter Hanna*

- Impacts of NG911—Peter Hanna
  - Introduction of panel members
  - Topics (see powerpoints)
    - What is NG911?—Peter Hanna
      - Complex solution—significant coordination required



- Issue of liability for bad data
- NG in Calvert County—Erick Pate
  - More than border issues; discussion of data quality and scrubbing
  - Single address authority
  - Erick is leading Southern MD counties to discuss NG911 issues
- NG in Prince George's County—Patrick Callahan
  - Idea is to create a regional dataset; regional is the catch as it does not stop at state boundaries
    - Data is developed to NENA standards
    - Data has to be massaged to fit NENA standard
    - Building one Master Street Centerline with scripts to write out a feature class to NENA standards
  - Multiple address authorities
  - Border issues with 27 municipalities
  - Kenny Miller—what is the target error range you are aiming for? Patrick—there are about 60 records that cannot currently be reconciled. He is aiming for as close to zero as he can get the dataset.
  - Kenny Miller—The 911 board is considering the option of creating the ESInet as the transport mechanism for legacy routing capability. So until the state is ready to handle GIS based routing, the ESInet can use the traditional routing mechanisms.
  - Erick Pate—was someone in your office making edits to the MSAG? Consultants ran analysis and provided a point layer to the county to resolve issues. Patrick's staff coded each resolution with the fix type and provided the information back to update MSAG. Edits to MSAG were not live edits.
  - Erick Pate—the example where the street names have inconsistencies such as Peppertree vs Pepper Tree, was part of the process to close the loop and fix the sources that were incorrect? Patrick used certain records and assumed them to be authoritative. Biggest headache was where directional description was part of the street name and not the prefix.
  - Larry Newman—are you treating the NENA standard as a mandate or a suggestion? It is being treated as a mandate based on the decision of COG.
  - Julia Fischer—The NG911 working group subcommittee needs to communicate the decisions that are made through the NCR project.



- Peter Hanna—Identify the GIS personnel that will be the points of contact for each PSAP to assist with reconciling the data model to be used. Identify the common border concerns and get agreement from PSAP directors as to the standard resolution.
- Larry Newman--Where is the authority within the state to require NENA standard? Robert Horne—the NENA standard CLDXF defines the standard for all the CAD vendors. Jurisdictions don't have to maintain their data in that format, just that they need to use a particular schema for ETL to CAD systems. A jurisdiction doesn't have to adopt the standard, just has to be able to ETL into it. If a jurisdiction chooses to not use the NENA standard, the jurisdiction is assuming significant risk that could result in loss of life due to poor response.
- Julia Fischer—Would like to see meeting notes, documents, etc on the MSGIC website as a common collection place.
- NG in Private Sector—Robert Horne
  - Alternate routing agreements will be set up to handle call volume spikes/overflow to neighboring jurisdictions.
  - NG creates a web of interconnectivity between ESInets
    - Can set up rules for natural disasters, power outages, etc.
  - Counties don't need a consultant to do a local match; can take the MSAG and the local data and smash it together and see what falls out
  - Bigger issue is with neighbors; that's where the consultant team comes into play. Cross & interjurisdictional issues need to be resolved.
  - Verizon has set up drop dead dates for no longer supporting MSAG & ANI/ALI. HUGE cost in supporting traditional routing in addition to the cost of changing to NG911.
  - Other initiatives exist for additional interconnectivity of systems—CAD to CAD
  - Matt Sokol—is everyone in COG on the same CAD system? Only the data behind the CAD systems has to be the same; everyone can use different systems/vendors.
  - Kenny Miller—Related to Larry's question about authority, this could be the 911 Board. Verizon and AT&T are regulated utilities and they cannot just unilaterally turn a switch off, but they can create policies where if there is one hold out in an area they can continue to charge everyone. Senator has



written a draft 911 bill that addresses a number of these issues. Creates an advisory council and also changes 911 fee from per account to per device. Kenny will send out a message when the bill is dropped in the Senate. It should be this year.

- Glen Sine—have NG compatible address points been developed in parallel with NG data? The more urban areas can use the centroids of parcels, etc, but when you get more rural it becomes more important to mark the ingress location.
- Right now, Verizon has 30 HOURS to update and implement any errors found in the MSAG.
- Any data development for NG911 is not a legal dataset; it is a response dataset.

- Border Issues (see powerpoint)

**12:15PM**

**Lunch – On Your Own**

**1:45PM**

Presentation: *Esri Training Program –Maryland Accounts*

Presenter: *Tosca Hoffman*

- Updates to Esri’s Training Program
- Esri Lightning Talk
  - (Major) Changes at 10.5
    - ArcGIS Server will now be known as ArcGIS Enterprise
    - Core deployment to include ArcGIS Server, Portal for ArcGIS, ArcGIS Data Store, ArcGIS Web Adaptor
  - ArcGIS Seminar series on 10.5 will be coming this spring; look for emails

**2:15PM**

**Caucus Meetings**

**2:45PM**

**Networking Break**

**3:15PM**

Presentation: *Calvert County GIS* (see powerpoint)

Presenter: *Erick Pate*

- Asset management project
- Upgrade to enterprise GIS viewers

**3:45PM**

**New Business and Adjourn**

**Parking:** Complimentary parking is available.