

**MINUTES OF THE ARIZONA GEOGRAPHIC
INFORMATION COUNCIL 9-1-1 COMMITTEE**

A public meeting of the Arizona Geographic Information Council was convened on Thursday, 01/07/2021 at 10:00 am at the Arizona State Land Department, 1616 West Adams Street, Phoenix, AZ 85007 in room 215. Present at the meeting were the following members or designees of the AGIC 9-1-1 Committee:

Table 1: Committee Voting Members (18 people)

Member	Agency/Company	In Attendance
Eric Shreve, Co-chair	AZ State 911 Office	Yes, phone
Brian Bond, Co-chair	Yavapai County	Yes, phone
Bo Guo	GisTic	Yes, phone
Greg Denton	ADOA	No, Excused
Howard Ward	TerraSystems Southwest, Inc	Yes, phone
James Meyers	ADOT	Yes, phone
Jenna Leveille	Arizona State Land	Yes, phone
John Ehlen	Yavapai County GIS Department	Yes, phone
Leslie Stovall	Gila River Indian Community	Yes, phone
Lisa Galyen	Coconino County Sheriff's Office	No, Without notice
Robert Woodhull	Pinal County	Yes, phone
Sandra Dyre	DATAMARK	Yes, phone
Sarah Hess	Pinal County	No, With notice
Steven Engle	Mohave County	Yes, phone
Steven Whitney	Pima County	Yes, phone
Tom Homan	Gila County	Yes, phone

Table 2: Public at Large (8 people)

Name - Agency/Company
Brittany McKnight – ESRI
Bryn Brum – ESRI
Cory Whittaker – ESRI
Gregory Emmanuel – City of Cottonwood
Karol Francis - GISTIC
Laura Herrera - Pinal County Sheriff's Office
Johann Krause – Northwest Fire
Samantha Dinning- Coconino County GIS
Shawna English – Graham County
Toni Ketchum - Yavapai County
Vince Collins - Esri

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Items on the agenda may be heard out of order. The Committee may discuss and act on the following items. The agenda of the meeting is as follows:

- I. Call to Order and Introductions:
The meeting was called to order at 10:03 am. Jenna did introductions whom was logged into the webEx.

1. Approval of Meeting Minutes from {previous meeting full date} (Co-Chairs)
Howard Ward motioned, Steven Whitney seconded. Motion passed.

- II. New 911 Co-Chair candidate discussion and vote
 - A. **Sarah Hess Motioned for a new co-chair for the 9-1-1 Committee. Tom Holman seconded the motion. Eric Shreve talked about how the State 911 Office and how the relationship between the AGIC Committee. Howard mentioned it is nice to have someone at the state taking the AGIC coordination role bridge that gap between the stakeholders to help us make better decisions. Jenna Leveille commented, Eric is very involved with AGIC. He has been confirmed as our incoming chair for the council for this next year. He'll be vice-chair and Eric will be involved for about the next three years in that leadership role. Motion passed**

- III. AGIC Board – Finalize 911 Committee Work Plan (Co-Chairs)
 - A. **Vote on the 2021-year committee work plan**
 - i. **We had worked on this work plan in October 2020. We had some great assistants by Sandy Dyre and Eric Shreve to give some written feedback. Main points: to build collaboration on statewide 9-1-1 data, Facilitate GIS-related workflows and agreements for Next Generation 9-1-1 data quality, 3. Facilitate education for 9-1-1 system stakeholders of nationally recommended guidelines in both GIS and PSAP organization. Eric Shreve motioned to approve the 2021 work plan, Sarah Hess has seconded the motion. Motion passed. The work plan traditionally has been published on the AGIC web page. It is a public document; therefore, it will also be available on the State 9-1-1 Program Office website.**

- IV. Data Ecosystem
 - A. New ecosystem items
 - i. State 9-1-1 Office Status
State 9-1-1 Office restructuring the program currently does not have a program manager. Interim Gary Hensley and Steven Jenkins are overseeing the role as program manager. Eric and Greg Denton are doing the footwork, seeking to have a program manager and another full-time position to help with

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some of the grant and financial reporting in the next couple of weeks. They are currently involved in an RFP for a statewide Next Generation 911 system 2 part which would be the ESInet and call handling equipment (CHE). We make internal decisions as far as where we go with the next steps. Brian Bond asked what the schedule looks like to bring on a program manager/

- ii. Annual GIS Telephone Number Accuracy Report reminder

As far as I know that request that went out to the counties and 911 system administrators. Some of the counties that have a robust program probably went above and beyond to submit that report to the state while other counties that don't have the capacity to do it probably did not submit. Eric had solicited the 9-1-1 system administrators last month, seeing if they could report that information. Probably send that request out again to make sure there's consistency across the States. Steve Whitney suggested that the State 911 Office send out those requests to copy GIS Managers so that the email doesn't get lost in the shuffle. Tom Homan suggested that the state needs a centralized contact to submit the data too. Brian Bond had suggested using AZGeo as the data repository tool for submitting data and content (GIS Data & Documents). Jenna gave some possible solutions to leverage AZGeo and Hub as a document repository and would be able to promote collaboration. Brian Bond asked how old is the 911/GIS contact list, and Jenna replied that it is current.

B. Initiatives for 911 data

- i. PSAP Boundary reconciliation across the state

Eric Shreve presented a white paper document that provided education on PSAP & Provisioning Boundary topology and the importance of correct geometry. He also presented a web application that shows the overall progress of PSAP boundary reconciliation boundaries to show gaps and overlaps. He also presented an MOU template that highlighted agreements between edges that 911 systems would utilize for the PSAPs.

- ii. emergency service boundary reconciliation

Eric also presented the ESB boundaries and what strategies could be created to make sure there are no gaps/overlaps. Bo Guo mentioned creating a collaborative database that could be managed & maintained by ADOA that would have the ability to collaborate between address points, road centerlines, and PSAP Polygons. Gregory with the City of Cottonwood echoes that collaboration is a good concept, but given that they have only one GIS person supporting the whole jurisdiction, it makes it challenging to collaborate on this initiative. Eric Shreve mentioned that the 911 Office will have to do research

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and development to provide legitimate solutions as we advance to help support the underserved communities. Eric said Arizona has a challenge because they don't have adequate staff at the 911 office to digitize GIS data. Brian Bond said he recommends looking into other state's workflow through NSGIC. Jenna also suggested reaching out to NSGIC to see what their workflows look like and leveraging AZGeo as another solution. Brian Bond reached out to Shawna English with Graham County to get her input on collaboration, and she said she is willing to try anything that makes her workflow easier. Johanna Krause asked if the more prominent organizations can help the smaller organizations with the overall editing. Brian Bond asked if smaller organizations could utilize a co-op to manage data at a regional level. Brian also played devil's advocate and said organizations overseeing operations might question supporting a smaller organization. Eric Shreve also mentioned that the 911 system/counties should put in for budget requests through the 911 grant process to help support the smaller organizations.

iii. Statewide address data for multiple uses

Howard brought an idea forward about creating a centralized database that would support interagency efforts when it comes to data collaboration. Brian Bond asked Sandy if any states have been effective in achieving this concept. She mentioned Maine and Arkansas being possible states to model to aggregate data into a statewide database. This would be a potential opportunity for funding that 911 could support. Howard Ward mentioned creating a dashboard that shows improvements of addressing and showing who is using the dataset. Sarah Hess brought up the idea that it will be complicated to share data when discussing the tribal entities. Brian Bond mentioned making a field type that makes it an option to share the data outside of emergency services. Sandy Dyre made a mention that the Arizona NG911 Data Model may have this implemented. Does this discussion get pursued as a state statute, administrative code, or a collaborative approach through AGIC? Howard Ward said government agencies could widely use the address locators, given that it is somewhat anonymous.

iv. Forest Service Roads discussion

Mark Christiano with the Kaibab National Forest brought up a discussion point about how forest roads are incorporated into NG911. Brian Bond heard a rumor that Coconino County wanted to remove the national forest road datasets because of the complication. Samantha Dinning with Coconino County did not confirm if this is happening with the restriction of the data. Brian asked what we are doing to delineate forest roads vs.

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BLM, NPS, BIA, etc when it comes to a naming convention. Sarah Hess wondered whether the road dataset is included in the provisioning workflow for NG911 or in the E911 dataset. Brian responded that this is for an E911 dataset. [Brian Bond](#) mentioned that the forest roads could be inaccurate when collecting GIS data because of the lack of personnel capturing the data. Sandy Drye asked if this is related to the schema or the topology accuracy with the data.

Brian Bond confirmed that this is related to the topology coincident with the data. Steve Whitney says they receive data from the Coronado National Forest and it is a KML dataset with some accuracy limitations. Tom Homan noted they have some challenges with incorporating Tonto National Forest datasets because they are not the data owners. Sandy Drye asks if the state 911 office needs to establish a relationship with the forest service to better coordinate effort when it comes to a partnership. Yavapai County recalls that the road segments analyzed with Prescott National Forest had a lot of deficiencies. The recommendation from the chair was to establish a relationship with each national forest gis group to create a collaborative approach. Sandy asked if the group should look at AZDFFM to see if they have data they would be willing to share or create a joint discussion. Tom Homan asked if Southwest Region 3 has data that is up to date (open vs. closed) attributes. Brian said they have that information, but it is unclear. Jenna Leveille mentioned that all of the data is accessible through AZGeo as web services synced instantly.

C. State Data Request 2020/2021 Status

- a. **Eric Shreve** mentioned that local data providers would submit the first data request on a quarter schedule, with the first one being the 3rd/4th week of the year. Jenna Leveille provided an email to the 911 system administrators and their GIS manager equivalents to become familiar with submitting data through AZGeo. Howard Ward said the state should be aware of the funding stream as this gets rolled out more frequently.

D. Concepts and significant elements –the big picture

- b. **Public Works Model Inventory Roadway Elements, MIRE** (Is intended to provide data inventory to DOTs). Brian Bond felt that it would be beneficial to bring these concepts into 911 to help with standardization. Brian Bond said most gis professionals in the county support public works from a direct/indirect standpoint, so we should educate 911 professionals about public works. Jim Meyers told the group that it might be beneficial for the group to be familiar with the attributes and how some aspects are important to 911. Sandy

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- said we could educate our dispatchers about how data-rich our community is and know proper point placement when working with address points and parcel polygons.
- c. **Karol with GISTIC presented their AZGIV Sidekick; ArcGIS Pro Plugin and showed a brief demo using Greenlee County 911 data. Bo Guo presented some additional comments about the user requirements and enhancements that are being utilized.**
- v. Sub-groups & Committee Engagement discussion
- A. Sub-groups (All Members) - **Talked about incorporating a public safety aspect (NG911, Emergency Management, Public Works, etc) to tackle challenges that state & local government face. Brain Bond asks the group to see if they would be interested in asking people what we would want to see from other groups.**
 - B. **Committee Engagement (All Members) | Talked about using Slack or something that offers more collaboration to have a better idea of instant messaging. Brian Bond posted a survey to the workgroup to see what their interest is**
 - C. Group documentation options to file sharing (All Members)
 - i. Google Docs Pro's and Con's.
 - ii. AZGeo Data Hub Initiative like page.
 - iii. Other options?
- vi. State 9-1-1 Office Strategic Plan Status
- A. **Eric Shreve briefly talked about the GIS Strategic Plan and what stages we are looking at with producing a product. This will get presented at the next meeting as far as a progression of the plan.**
- I. Call to the Public:
- A. **Sandy noted that the Arizona NENA | APCO Conference is this year.**
- II. Discussion for Topics of Future Committee Meetings
- A. **Eric Shreve brought up the idea of a statewide parcel dataset and a geocoder being utilized for a statewide tool. Howard Ward mentioned that there is a statewide parcel dataset, but it is out of date and hasn't been touched in a while. Sandy also said the AZ NENA/APCO being held this year, and they put a request out for a call for papers. Jenna Leveille talked about how Sarah Hess put in an application last year and was selected to speak, but that never happened because COVID it was canceled.**
- III. Adjourn: **Adjourned at {12:01}**