

**MINUTES OF THE  
ARIZONA GEOGRAPHIC INFORMATION COUNCIL  
PUBLIC SAFETY COMMITTEE**

A Public meeting of the Arizona Geographic Information Council (AGIC) was convened on Thursday, January 12<sup>th</sup> at 10am WebEx only due to COVID-19 health precautions. Present at the meeting were the following members or designees of the AGIC Public Safety Committee

**Table1: Committee Voting Members (16)**

<b>Member</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Eric Shreve, Co-chair	State 911 Office - ADOA	Yes, phone
Brian Bond, Co-chair	Yavapai County	Yes, phone
Bo Guo	GisTic	Yes, phone
Greg Denton	State 911 Office - ADOA	Yes, phone
Howard Ward	TerraSystems Southwest, Inc	Yes, phone
Jenna Leveille	State Land	Yes, phone
Laura Herrera	Pinal County	No, with notice
Sandy Dyre	Michael Baker	No, with notice
Sarah Hess	Pinal County	Yes, phone
Steven Engle	Mohave County	Yes, phone
Steven Whitney	Pima County	Yes, phone
Tom Homan	Gila County	Yes, phone
Brooke Serpa	Yavapai County GIS Department	Yes, phone

**Table 2: Public at Large**

<b>Name</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Brandon Barnett	AZ State Land Department	Yes
Shawna English	Graham County	Yes
Madyson Bradford	City of Gilbert	Yes
Rob Speer	City of Flagstaff	Yes
Tiffany Finke	City of Flagstaff	Yes
Jody Schanaman	Mohave County Sherriff's Office	Yes
Jackie Lyons	Page Police Department	Yes
Dave Eaton	Maricopa Regional 911	Yes
Thara Salamone	AZ Dept of Economic Opportunity	Yes
Morgana Laurie	AZDEMA	Yes
Nicole Eiden	ADHS	Yes
Sage Donaldson	ADOT	Yes
Dave Roby	AZDEMA	Yes

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The Committee discussed and acted on the following items.

I. Call to Order and Introductions

**Meeting was called to order at 10:02 AM. Introductions were made, and quorum was established.**

II. Approval of Meeting Minutes from October 6, 2022

**Approval was motioned by Eric Shreve and seconded by Sarah Hess. No additional discussion on meeting minutes and they were passed unanimously.**

III. AGIC Board – Introduction of new Public Safety Committee Work Plan

**Brian Bond reviewed the Public Safety Committee Work Plan through screen share. Each committee is required to submit a work plan to the AGIC Council to which Eric Shreve and Brian Bond has created a document for the Public Safety Committee. This document was shared via email to all committee members and any feedback on the work plan and the measurable goals within it is welcome. Anyone that received the link via email can comment on the work plan. It was noted that any goals are subject to change before the final submission to the AGIC Council. The first goal for the committee is to facilitate interagency coordination in support of the AGIC Council goals. This can be measured by the percentage of committee goals that were achieved through interagency coordination as well as by feedback from participating agencies on the effectiveness of interagency coordination efforts. The second goal includes facilitating collaboration between emergency responders and GIS practitioners to aid in operationalizing technology and data. This goal can be measured through the number of joint-training or capability-building sessions held, through the number of emergency response situations where GIS technology was successfully utilized, and by the feedback received from emergency responders and GIS practitioners on the effectiveness of collaboration efforts. The third goal is to foster collaboration between local, tribal, county, and state government that can support problem-solving between government agencies in the event of an emergency. The success of this goal can be measured through the number of inter-government collaborations. The fourth goal is to facilitate GIS and non-GIS user alike in communicating public safety and professional development. Measurements that represent the success of this goal can**

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be shown with the number of GIS and non-GIS users who participate in professional development opportunities as well as the feedback from those participants on how applicable those opportunities are. The fifth goal is to interface with other organizations having interest in the Public Safety community within Arizona, neighboring states, and at the national level. The number of joint projects or initiatives undertaken with other organizations is the measurable instance within this goal. The last goal is to transition at least 50% of the Arizona Public Safety Answering Points (PSAPs) with the ability to geospatially route calls.

Eric will send out emails and reminders as it pertains to the progress of the edits and inputs to the goals from those within the committee.

IV. Arizona 911 Office NG911 Project Update

- Brooke Serpa Introduction
- Discussion about validation of roads/ addresses for NG911
- Overview of Automatic Location Information (ALI) and Master Sheet Address Guide (MSAG) Updates

**Brooke Serpa is a recent hire as a GIS Coordinator with ADOA. She has been a member of the committee for a little over a year and is eager to collaborate within the Public Safety community. She has previous experience with the Yavapai County GIS Department and will be assisting within multiple projects across the state soon.**

**The NG9-1-1 Arizona Project has been able to migrate nine (9) 9-1-1 systems onto Comtech's NG9-1-1 network, which is in addition to the inclusion on the call service for Motorola Vesta. As of today, there are 27 PSAPs cutover onto the State's system, with the remaining PSAPs to be completed during 2023. The stakeholders have given positive remarks as it relates to the system, stating that it has been far superior than what the previous solution was. Any additional information about the migration of these systems and the PSAPs can be found through this link:**

**<https://az911.gov/status-next-generation-9-1-1-arizona>**

**Communication between users of 1Spatial in Arizona as well as 9 other states have allowed for a breakdown of updated feedback. Road validations that have been generated for this project include safety gates that are added to change the detection process, new polygon markup for gap and overlap validation, checks for address points and road centerlines against boundary layers, checks for missing spatial attributes, statewide dashboard reporting for external use cases, and**

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bug fixes and performance improvements. These new releases and checks will support a more complete and efficient system for 1Spatial users. There is discussion with supplementation of these changes with a parcel aggregate tool that ensures completeness of data when uploaded as well.

The Automatic Location Identification (ALI) Match Rate with GIS represents the percentage of wireline records that are accurately matched to their corresponding locations, based on the data in GIS. The current representation of the ALI Match Rate excludes moderate and low discrepancies, which are mostly associated with missing sub-unit information in GIS data. These discrepancies can still be geocoded using either address points or road centerlines but are not reflected in the overall match rate calculation. Working through the Location Database Manager, many of the records can be translated in the interim until the originating service providers (OSPs) update the subscriber information. Common occurrences for discrepancies are generally mismatches within the community names, with other outliers still showing through in isolated instances. The goal is to have complete 100% ALI match rates within the counties. The MSAG match rate with GIS is a crucial component of ensuring accurate location information is provided to the public safety answering point. The baseline for deriving the MSAG from GSI is 96%, also known as the GeoMSAG. To ensure the MSAG match rate remains at or above 96%, updates to the MSAG must be coordinated through Intrado's 9-1-1.net. This is particularly important in the Frontier/Lumen regions where the 911 Program is actively working to improve systems that have challenges with updating records.

V. Super Bowl Working Group Status

Paul Rosevere led the discussion on the status of the Super Bowl 57 GIS Workgroup updates. Paul and his team have been working on a dashboard that individuals working events can reference as it relates to critical infrastructure in that area. A Web EOC ArcGIS connector is a major component of the dashboard that is close to completion, to which the rest of dashboard was presented to the group. The dashboard, called the Superbowl 57 Common Operating Picture, features events, critical infrastructure, as well as a section that summarizes event data that has a list of 58 events currently, but is growing. Due to loading and processing time, it was suggested to move this dashboard to be housed on AZGeo, which will be decided/implemented later. The Web EOC reports will be the live data feed that is being plugged into the application as well as updated

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road closure data. There was some concern with the HISM platform lacking in processing and uploading speed but does allow for the multi-agency collaboration and the ability to hold the integrity of sensitive data.

VI. AGIC Evacuation Zone Work Group Status

Morgana Laurie presented on updates for the workgroup, which began with a breakdown of the end of 2022. Progress in the development of the schema included gathering feedback from county GIS and emergency managers that included a decent amount of engagement from all parties that are impacted, not just GIS professionals. Some participating jurisdictions include Coconino, Gila, Maricopa, Pinal, and Yavapai counties, including the Gila River Indian Community. Organizations that have collaborated in schema development include those from DEMA, ADOA, and ADOT. There has been discussion around evacuation polygons created during an incident includes resolving the conflicting processes that impact neighboring counties, which has helped generate necessary inclusions within the schema.

Refinements and revisions for the schema began in November with detailed feedback, revisions, and deletions included in a shared spreadsheet. Conversation that sparked these revisions included legalities, jurisdictions having authority, and how to best balance through data with time sensitive ease of use.

The test run of the dataset took place between December and the beginning of January on AZGeo utilizing evacuation zones to test direct editing and testing of the schema. This allowed for feedback on the useability of the data as well as assist in identifying additional domains, conditions, and fields. From this testing came the detailed accounts of incident names, types, and to identify an immediate goal of the area.

With schema creation and data incorporation came a few challenges. One of those challenges was the apparent duplication of efforts. Counties and jurisdictions alike are not all aware of this group's efforts, thus leads to two or three groups doing essentially the same analysis. Another challenge that was presented includes the integration of alerting system vendor requirements since all are different. A third challenge presented is the 'Ready, Set, Go' symbology, which was deemed possibly confusing to the public, but is under contract with the IAFC. The resolution of this challenge is still under deliberation. As far as upcoming challenges go, delegation and completion of technical tasks in a timely fashion as it relates to building rules and creating the FME workflow is expected.

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Field finalization, rule development, and conditions are expected as topics and efforts within the next two months. Based on the initial testing phase, the fields and domains will be finalized. Delegation on the attribute rules for fields that need them will be completed by the GIS team as well. FME Hosting, set-up, and development anticipated for February tasks, with the final expectation of connecting with Sedona Evacuation Planning Committee to help data collaboration and outreach.

A question that was brought up by Eric Shreve included the anticipated status of the working tool by fire season, to which Morgana confirmed that with the two test counties improvement overall that the tool should be accessible and useable by fire season 2023. She did say that integration of all counties and tribes within Arizona is not as feasible, but workflow that is set up within those two test counties should support use this year.

VII. RapidDeploy Presentation

Rodger Mann of RapidDeploy led the presentation for the RapidDeploy Updates, to which he is a Director of Product within the GIS team. RapidDeploy's statement of direction on their product side includes two teams: analytics and radius mapping. The radius mapping team has completed the Phase 1 caller location update enhancements, supporting the wireless system performance. The Enhanced Operating System for notifications and alerting has been completed as well, competing the two (2) month committed features goals. Moving into the four (4) month committed features goals, the team has selected and implemented agent position selection to assist with the platform refresh named Radius v5, which is a monolithic platform for microservices to help with rapid development inside the radius. This will be anticipated to be completed within the year. Several deliverables are set up, which include map markups and 2D measurement within maps. This completion date is coming up and is looking favorable.

As RapidDeploy enters the next phase of development, the next few months are looking forward to advanced user authentication like SSO, dynamic location capabilities like map extents, location direction capabilities like routing, and extended map capabilities like web map enhancements. These improvements and inclusions are anticipating being using the Esri data available as well as any additional datasets that are requested to be included. Beyond that, other implications will happen including multi-dimensional location data like z-axis or floor picker, call-taker unified workflow like PSAP chat, and inter-agency

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information exchange like CAD data display.

The RapidDeploy Admin Console has been created to allow assistance to the users that have been locked out, as well as the status of the users. It also includes statistics such as user success, number of active consoles, and location displays. Aside from that console, there is development within the Floor Picker widget where the JavaScript API has been updated to help user-friendliness regardless of GIS experience level. With this floor picker, the team has included the capability of including Geotiffs within a vector layer when reviewing floors within a building. Z-axis call plotting and 3D visualization has been under review to include in a final project that allows for accurate and updated information that can correlate directly with actual locations.

Eric inquired on best-practice user guides within indoor mapping and management as it relates to data collection and management, and Rodger informed the group that there has been a base level of collection on best practices through other projects with public schools. He added to this idea by offering an introduction to the head of a project on mapping public schools to be able to trade best practices and methodologies. Eric also inquired on the implementation of the floor radius technology, and Rodger was anticipating the end of the second quarter for product completion. Brian asked if the administrative console will be available in both the PSAPs as well as the main offices, and Rodger answered that there is discussion around the inclusion of a smaller version of the console to be included in such a large split, such as inclusion in all PSAPs.

VIII. Public Safety Hub Site

Brian Bond shared the update on the AGIC Public Safety Committee Hub Site. He called for some volunteers with editing and updating the hub site with some included thoughts and comments on changes that need to be made to encapsulate all that represents the committee. The site will include training documentation, workgroups and their collaborations, opportunities, resource sharing, and ease of access. Volunteers for design, comments, and anything related to site are welcome to contact either Brian or Eric via email.

IX. Call to the Public

There were no additional comments or questions.

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X. Discussion for Topics of Future Committee Meetings

**One topic that was suggested by Brian was to review the work plan goals and discuss collaboration updates within other agencies. Brooke mentioned a Career Day on April 15 that facilitates interest in dispatching and will be covered next meeting. There are 7 counties currently involved in the event for recruitment and more are anticipated to join. Anyone interested or that knows someone who would be interested is encouraged to check out the event or be on the lookout during the next meeting.**

XI. Adjourn

**Meeting adjourned at 11:37 AM**

Upcoming 2023 Meeting Dates (Quarterly):

- January 12
- April 13
- July 13
- October 12