NATIONAL ASSOCIATION of COUNTIES NACo

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2022 NACo

LEGISLATIVE CONFERENCE

FEBRUARY 12-16 | WASHINGTON HILTON | WASHINGTON, D.C.

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Welcome to the GIS Subcommittee

Housekeeping

- Please stay masked unless actively eating or drinking
- Use standing microphones for questions and comments
- Virtual attendees may “raise hand” to be recognized or ask questions and make comments in the chat
- Slides and all materials will be emailed to the Committee after the conference!

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Run of Show

9:30am: Opening remarks and introductions, Chair Demman
9:40pm-10:10am: AUVSI, Mike Smitsky
10:10am-10:45am: GIS Gaps in 911, Robert Horne/Kate Elkins/Darlene Pardiny

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Opening Remarks and Introductions

Chair Demman, Surveyor,
Salt Lake County, Utah

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What's new in the Autonomous World?

***Mike Smitsky**, Director, Advocacy & Government Relations at AUVSI*

Overview of AUVSI
2022 NACo Legislative Conference
GIS Subcommittee Meeting

- Mike Smitsky
- Director, Government Affairs

Agenda

- AUVSI Intro
- Events
- Advocacy
- Education
- Q&A

About AUVSI

Association for Unmanned Vehicle Systems International

AUVSI's mission is to advance the unmanned systems and robotics community through ***advocacy, education and market growth.***

In its 50th year, AUVSI is the ***world's largest association for unmanned systems and robotics***

- Air, ground and maritime
- Commercial, civil and defense

More than ***7,500 members,*** including ***more than 400 corporate members*** from more than ***60 countries***

Diverse membership from industry, to government to academia

More than 30 chapters across the U.S. **and the Globe**

What is an Unmanned System?

UAS

End User
- Military
- Civil
- Commercial
- Academic/Research

Category/Classification
- HALE
- MALE
- Tactical
- Small Tactical
- Small
- Miniature/Micro
- Vertical Takeoff/Landing
- Combat
- Lighter than Air
- Optionally Piloted

Mission (Most Common)
- Surveillance
- Precision Strike
- Precision Agriculture
- Inspection
- Communications
- Monitoring/Research
- Cargo Delivery
- Recreation

UGV

End User
- Military
- Civil
- Commercial
- Academic/Research

Mission (Most Common)
- EOD/Bomb Disposal
- Logistics/Transport
- Surveillance/Recon
- Combat
- Medevac
- HAZMAT Detection
- Combat
- Inspection
- Communications Relay
- Message Broadcast
- Firefighting
- Search and Rescue
- Perimeter Patrol
- Archeology
- Research

UMV

End User
- Military
- Civil
- Commercial
- Academic/Research

Category
- Unmanned Underwater Vehicles
- Unmanned Surface Vehicles
- Remotely Operated Vehicles

Mission (Most Common)
- Mine Clearance
- Surveillance
- Environmental Monitoring
- Infrastructure Inspection
- Marine Life Monitoring
- Oil & Gas
- Hull Inspection
- Search and Rescue
- Security/Patrol
- Other Inspection
- Marine Life Monitoring
- Research

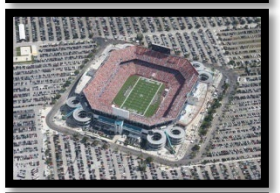
Subsystems

- Payloads
- Components
- Communications
- Command/Control
- Navigation
- Avionics
- Software
- Propulsion/Power
- Displays
- Control Stations
- Launch/Recovery

Services

- Engineering
- Integration
- Logistics
- Training
- Maintenance
- Operational
- Consulting
- R&D

Potential Unmanned Systems Applications



- Border Security
- Firefighting
- Farming
- Real Estate
- Environmental Monitoring
- Storm Research
- Construction
- Search & Rescue
- Utility Inspection
- Filmmaking
- News Coverage
- Wildlife Tracking
- Surveying
- Disaster Assessment

Events

- **XPONENTIAL**, industry's largest trade show, **Orlando, FL, Apr. 25 – 28**
- **Unmanned Systems Defense**
- **FAA Drone Symposium**
- **Automated Freight Summit**
- **Business of Automated Mobility Forum**
- **Webinars**

LEAD WITH US

ADVOCACY

OUR BREAD & BUTTER

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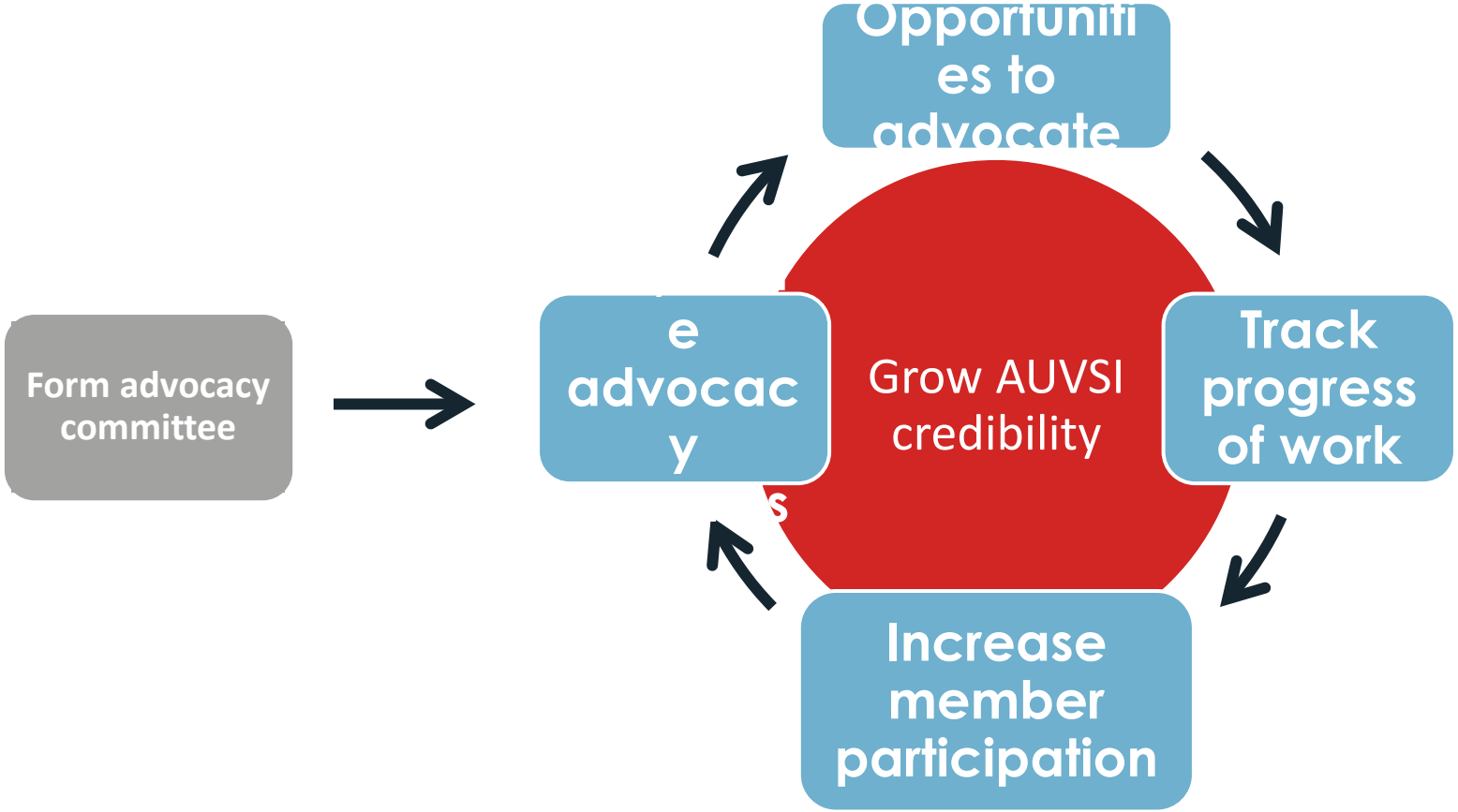
Our Advocacy Approach

AUVSI

Members identify gap → Discussed by Advocacy Committee → Consensus on preferred outcome → Advocate for Membership

Our Process


Form advocacy committee
Opportuniti es to advocate
Track progress of work
Increase member participation
e advocac y
Grow AUVSI credibility

Lines of Effort

- Commercial
- Defense
- Air
- Ground
- Maritime
- Counter
- State
- Chapters
- Grassroots

AUVSI

State and Local Advocacy / Chapters

Questions?

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GIS Gaps in 911,

Robert Horne, Kate Elkins, Darlene Pardiny

GIS Domain Lead, Mission Critical Partners

GIS Manager for Flagler County, Fla.

Acting Coordinator, National 911 Program Acting Coordinator, National 911 Program, Deputy Team Lead, COVID-10 EMS / Prehospital Team

National 911 Program GIS Standardization Project Briefing

National 911 Program
Kate Elkins, Acting Coordinator

The National 911 Program

1. Convenes stakeholders to make decisions and take action
2. Creates and shares resources to help 911 systems and to educate others about NG911
3. Administers grant for updating state/local 911 systems (with the NTIA)

Why is this initiative Important?

NG911 relies upon highly accurate, robust GIS data that is maintained to GIS standards and freely shared locally, regionally and nationally

Project Goal

Develop a 911 GIS data sharing strategic plan that identifies the challenges discovered throughout this project and details the strategies for fully executing the National 911 Program's vision of truly interoperable, nationwide GIS data for 911

MissionCriticalPartners

Because the Mission Matters

Robert Horne, ENP

Project Objectives

Assess the current status of GIS technologies and identify gaps in capabilities, funding, and staffing

Identify impediments to data sharing regionally and nationally within the 911 stakeholder community. Report on the current status of the data sharing paradigm and identify capabilities gaps that threaten the success of the NG911 migration

Define opportunities for the N911P to facilitate sharing best practices and offer guidance on building the right partnerships to solve specific problems.

Develop strategies that will facilitate the execution of a plan to achieve truly interoperable GIS data-sharing nationwide.

Emerging Themes

GIS Data Supply Chain

- Maintain Local Autonomy
- Nationwide Integrated Data

Staffing Shortages / Rural vs Urban

- Highly Specialized Staff
- Remote Work
- Resource Sharing

Funding & Alternate Funding

- Legislate 911 Funds for NG911
- Strategic Partnerships

Emerging Project Requests

- NG911 Blueprint for GIS
- Expand GIS Section of Interstate Playbook
- Document Templates
- Formal Support
  - Conferences
  - Public/Private Partnerships
  - Strategic Partnerships
  - Better Standards

Questions

Project Timeline

911 GIS Technologies (C.5.3)	Dec 6 - Feb 25
Required Entities (C.5.4)	Jan 31 - May 27
Partner Agencies/Organizations (C.5.5)	Mar 1 - Jul 28
Scientific Research Metrics (C.5.6)	Jan 3 - Sep 28
911 GIS Data Sharing Strategic Plan (C.5.7)	Jun 1 - Sep 28
Final Report (C.5.8)	Jul 18 - Oct 28

Resources on 911.gov

Thank you!

Kate Elkins
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Darlene Pardiny

Acting Coordinator, National 911 Program Acting Coordinator, National 911 Program, Deputy Team Lead, COVID-10 EMS / Prehospital Team

LINK TO VIDEO CLICK HERE

Thank you!

IT Standing Committee starts at 11:00 AM