

## Session Descriptions

### Tuesday, March 7

**Opening Address from MPSCS** - An update on the progress and challenges of the MPSCS over the past year

**Opening Address from EMHSD** -An update on the progress and challenges of the EMHSD over the past year

**Partnerships: A Key to Successful Emergency Communications** - An update on the progress and challenges of the Emergency Communications Division (ECD) over the past year

**FEMA Region 5-Regional Emergency Communications Coordination Working Group** - 2022 Summer ESF-2 Operation High Water Functional Exercise Overview and 2023 RECCWG Operational Planning Posture and Activities

### Work Group Updates

- **AUXCOMM Work Group** - An update on the progress and challenges of the AUXCOMM Work Group over the past year
- **Communications Unit Work Group** - An update on the progress and challenges of the COMU Work Group over the past year
- **Encryption Work Group** - An update on the progress and challenges of the Encryption Work Group
- **Fire Paging Work Group** - An update on the progress and challenges of Fire Paging Work Group
- **Public Alerting Work Group** - An update on the progress and challenges of the Public Alerting Work Group
- **Public Safety Broadband** - An update on the progress and challenges of the Public Safety Broadband
- **State 911 Office** - An update on the progress and challenges of the Public Safety Broadband

### Wednesday, March 8

**How to Build a Communications Response when the World is Burning** - In August 2020 there was an officer-involved shooting in Kenosha, WI. What started as a local law enforcement incident was followed by protests, which included rallies, marches, property damage, arson, and clashes with police. During the incident, two protesters were fatally shot in a confrontation with an armed civilian. Ultimately, law enforcement from across the state provided mutual aid to Kenosha, and the State of Wisconsin deployed nearly 1,000 National Guard troops, including out of state troops. This event occurred during an election cycle, which brought an added complexity due to the presence of POTUS and then-Candidate Biden.

**Wireless Network Modernization and Public Safety Technology Innovation** - This session will focus on the key attributes of 5G wireless networks and how carriers are investing to modernize communications and connectivity. With higher speeds, massive bandwidth, and low latency, 5G Ultra-Wideband will help power transformative capabilities and bring information faster to improve crisis response. Learn how Verizon is investing in Michigan and the resources available to you in times of crisis.

**OnStar Emergency Services - How We Support Response During Everyday Events and Disasters** Verizon understands the important role first responders have in protecting and serving our communities. Our Verizon Response Team (VRT) partners with agencies and responders to provide emergency communication equipment and services before, during, and after an emergency or crisis.

**Cybersecurity grant - Have you heard of it?** - The session will provide an overview of the federal cybersecurity grant provided by Congress and administered by the Department of Homeland Security (DHS), Cybersecurity and Infrastructure Security Agency (CISA). That overview will include the efforts underway in Michigan, the State plans for the grant, the committees in place to support the grant efforts and suggested efforts for local engagement.

**FirstNet in Five Years: How far we've come and how far we've yet to go** - The nationwide public safety broadband network - FirstNet – has been operational for almost five years and is actively being used by public safety agencies across the country. How has FirstNet enhanced the ability for first responders to access and share information even when the surrounding commercial cellular networks are overloaded or unavailable?

Whether for planned events or unexpected disasters, first responders using FirstNet-connected devices and applications can improve their efficiency, safety and response times, gaining access to critical applications, device connectivity, and seamless field interagency and cross-jurisdictional communications. This session will highlight public safety operational use cases, and the FirstNet Authority's role in the public-private partnership. We'll look back on the last five years and preview what's ahead.

It's one thing to have a network, but that's just the beginning. The possibilities with a dedicated public safety broadband network are truly endless, and first responders are touching the tip of the iceberg as they adopt and look to the network to supplement their communications needs. Now the conversation becomes, what can we do with the network to improve the safety and efficiency of personnel, while we seek to keep our communities safe.

Additionally, it's crucial that public safety work together to assure the network is included in planning for operations, so that interoperability concerns are addressed. For example, you don't want users downloading an application when the disaster happens, but before.

The First Responder Network Authority – the agency that went into a 25-year partnership with AT&T – is committed to working with jurisdictions in facilitating that conversation and is doing just that. This session will feature some benefits of this evolving partnership with the FirstNet and public safety agencies and highlight some use cases of network use at various types of events. Whether it's a unique feature of the network, such as push to talk functionality, or the use of deployables to assure connectivity, attendees will benefit from hearing from their peers.

This session will feature a demonstration of several FirstNet capabilities. It will also be an opportunity for a collaborative dialogue to consider such aspects, for example, how to integrate emergent resources like the Compact Rapid Deployables into communications plans.

**MPSCS Cyber Security Assessment** - A panel of local agency leaders who have already participated in the MPSCS Cyber Security Assessment. The panel will provide their perspective and insight on the process, and share valuable lessons learned from the assessment. The group will also present information about how your agency can get involved.

**Why We Exercise: Rogers City Equipment Deployment** - A look at the history of oil spills and why we exercise. The emphasis is focused on federal response with water-side stakeholders and how these entities come together to exercise, train and respond to a pollution incident. Information will be shared on the July 2022, Rogers City, MI, exercise deployment with a focus on communication between participants and command post. Various technology pieces were brought and will also be briefed.

**CALTopo/SARTopo Introduction** - CALTopo is a web-based tool for planning trips or events, collaborating on maps, and easily creating paper maps for land navigation. SARTopo has all the same features but adds additional tools for Search and Rescue. This will be a brief introduction to the toolset and how they are interoperable with GIS and public safety.

**The Curley Shuffle** - Session will present the progress we have made as a nation on achieving interoperable communications and discuss how we continue to fall into the trap of silo thinking about emergency communication systems and initiatives.

**What is Michigan Mutual Aid Box Alarm System (MABAS)?** -

- MI MABAS organization Who is the RED Center?
  - Whom to call? How to call? What is the process?
  - Who shows up?
  - When to ask for resources when disaster strikes?
- Provide some past incidents:
    - Hurricane responses
    - Leslie brush fire
    - Superior Cedar Mill fire
    - Midland Dam

- Covid 19 TCF
- Gaylord Tornado
- Flint building collapse
- Newaygo Dam exercise
- Special Operation teams in the state
- Q&A

**AUXCOMM in Michigan: Looking Ahead** - Join the discussion to learn how the AUXCOMM model is being implemented in Michigan, the strategic goals for the work group, and how you can help in helping to realize these goals in your local emergency management agency.

**Central Michigan Emergency Network Updates and News** - An overview of the Central Michigan Emergency Network (CMEN) including who coordinates and supports the network, what type of infrastructure is already in place, an overview of the equipment in place at the tower sites, and what the plans are for future growth of the network. Information will be shared regarding the grant CMEN received and the projects that will be completed as a result of the award.

**988: Impact and Challenges** - Participants will learn about the implementation of 988 in Michigan by the Michigan Crisis and Access Line. They will be educated about the activities that are occurring to coordinate PSAPs and 988 together for improved outcomes related to providing emergency care. The impacts and challenges of 988 implementation will be explored. We will discuss what we have learned and explore opportunities for improvement.

**Providing Real-Time Citizen Engagement – Modernizing Public Safety Services to Michigan Communities** - This presentation will provide an overview of how SPIDR Tech utilizes an agency's existing data to measure and improve community interaction. The presentation will cover strategies to fully automate the citizen engagement process resulting in a reduction of administrative support, improved transparency, and real-time community outreach. This presentation will highlight ways for 911 and other public safety operations to better support crime victims through the entire public safety workflow, from the original 911 call through each step of the law enforcement, courts, and corrections process. Learn how public safety agencies are changing how they interact with their communities, measure community sentiment, and improve operational efficiency through use of a robust community engagement platform.

**Working Through Communication Challenges During Large-scale Athletic Events** - Ironman produces events around the world including triathlons, the Rock N Roll running series, and UTMB trail running events. Each venue holds unique communication challenges when it comes to the environment, geography, equipment available, and personnel assigned to the event.

Preparation for and reaction to these challenges can directly impact how smoothly the event operates. The background work prior to and during the event will be discussed as well as the many agencies involved and how Ironman personnel interact with these agencies.

**Thursday, March 9**

**Michigan's Emergency Communications Strategy** - Session will present the updated strategy of the Michigan Statewide Communications Interoperability Plan (SCIP) and discuss the role all agencies have in achieving Michigan's vision to expand interoperable communications solutions and practices.

**FirstNet: Innovating for Public Safety Communications** - FirstNet, Built with AT&T, is the platform first responders need to meet their continually evolving critical communications needs – with the technologies and capabilities to complete their mission. FirstNet is public safety's network.

In this presentation, we will provide several examples of the benefits of FirstNet and an update on its evolution and how it continues to support public safety. We'll discuss and outline:

- A variety of technical solutions the Response Operations Group deploys to support first responders in times of need and in response to disasters.
- Standards-based push-to-talk capabilities and other LMR to LTE PTT solutions that we use to enhance and expand the PTT functionality of LMR systems and the new capabilities that Mission Critical Data and Video offer public safety.
- How FirstNet is working with jurisdictions to introduce technologies and solutions that improve in-building communication for first responders.
- How the Compact Rapid Deployable (CRD) allows agencies to deploy solutions that bring the network with them in the form of a small cell to deploy Band 14.
- How the FirstNet Central cloud-based portal allows first responders to manage users in the field, uplift users to enhanced priorities when needed and remain cognizant of network operations within a community.

**Automotive IoT – A conversation on connectivity and the cybersecurity ecosystem in**

**Michigan** - Not since the days of Henry Ford has the automotive industry experienced such vast and dynamic change. The evolution of connected and automated cars, intelligent infrastructure, and the advancement of Artificial Intelligence and Machine Learning has placed cybersecurity in the heart of the future mobility movement. This panel of cyber-mobility professionals are pioneering a new digital era and tackling tough topics including automotive cybersecurity, smart cyber policymaking, automotive cyber crime, and preparing the next generation of cyber workforce while recognizing the value of hackers.

**Update on Comprehensive LTE Cross-Carrier Interoperability** - In this presentation we will explore the current public safety Voice, Data and Video interoperability challenges and provide an update on the progress and efforts to accomplish Comprehensive LTE Cross-Carrier Interoperability.

The events of 9/11 highlighted the need for improved and interoperable communications among first responders, and since then, significant progress has been made toward creating

greater interoperability across agencies. A number of systems have been developed to help increase compatibility between public safety Land Mobile Radio (LMR) systems, enabling mission-critical voice communications between responders on different systems. More importantly, advanced 4G LTE and 5G wireless broadband networks have evolved to help meet the expanding communication needs of public safety agencies. Interoperability, however, is more than just interconnecting different networks. It calls for uniform two-way standards to help ensure that quality of service and priority and preemption capabilities are applied consistently across multiple networks. It connects users on LTE networks with users on LMR networks. And it requires push-to-talk and device-to-device capabilities to work effectively across all networks. Further, true interoperability absolutely means that public safety applications are accessible by all first responders, regardless of the network they use. Interoperability between commercial wireless networks isn't a revolutionary idea. Developing and implementing open standards and protocols is the way the wireless industry grew from a niche market that served relatively few wealthy consumers in the 1980s to the force behind today's information economy. It's also the fundamental premise upon which today's 4G LTE and 5G networks—are based.

**Priority Telecommunications Services** - Presentation will review the Government Telecommunications Service (GETS), Wireless Priority Service (WPS), and Telecommunications Service Priority (TSP) that is available to all critical infrastructure sectors.

**ESF2 and PACE Planning** - PACE (Primary, alternate, contingency, and emergency) planning is growing in acceptance in the Emergency Communications world. Emergency Operation Centers (EOC) rely heavily on internet and cellular network access. When these become unavailable, do your staff know what other technologies to use and when to turn them on? We'll discuss recent ESF2-Communications PACE planning efforts at the State level and the findings of initial PACE plan testing with other states in FEMA Region 5.

**Public Alert and Warning Workshop** - An overview of the Integrated Public Alert and Warning System (IPAWS), what it looks like in Michigan, and how to opt-in to the state's provided IPAWS software. Information will also be provided on best practices for alert and warning messaging, a walk-through of some sample alerts, discussion on contents of a good message, and sharing some real-world messages to determine how they might have been improved.

**Breaking down the AUXC Position Task Book** - A review of the AUXCOMM (AUXC PTB). Taking every part step by step into a manageable training track, as opposed to impossible hurdle.

**Kent Co. Emergency Communications Response Vehicle** - A "virtual walkthrough" of our latest emergency communications response vehicle builds and associated equipment. This vehicle is available to all public safety agencies in Michigan with MPSCS 700/800 equipment, cellular voice/data, portable voice repeaters, and even a custom voice bridge for expanding and enhancing on site communications with a bridge back to the MPSCS radio network.

**The Dark Web: A Playground for Threat Actors and Scammers** - The term “dark web” can be found in the news nearly every day. Join the Michigan State Police, Michigan Cyber Command Center, as they explain what the dark web is, who’s accessing it, and then provide a deep dive into the dark web landscape of recent, common threats and scams.