

NPSTC Governing Board Meeting
Thursday, June 17, 2021
1:00 pm – 3:00 pm ET

Call In: (510)-227-1018 | Conference ID: 1927086#

Webinar Access Information: <https://join.me/npstcsupport1>

Please MUTE your phone. Do NOT place on HOLD.

Welcome and Opening



- **Ralph Haller, NPSTC Chair**

- Call to Order
- Pledge of Allegiance
- Moment of Silence
- Roll Call
- Welcome New Member and Representatives

Technical Tips

- Webinar Access Information: <https://join.me/NPSTCsupport1>
- Online participants submit questions to support@npstc.org. Do NOT use the the join.me chat bubble, it will be displayed to all.
- To mute your phone, press *6, NOT hold.
- Email attendance to attend@npstc.org.

Pledge of Allegiance



NPSTC is a federation of organizations whose mission is to improve public safety communications and interoperability through collaborative leadership.

Role Call

Governing Board Organizations

- American Association of State Highway Transportation Officials (AASHTO)
- American Radio Relay League (ARRL)
- Association of Fish & Wildlife Agencies (AFWA)
- Association of Public-Safety Communications Officials-International (APCO)
- Forestry Conservation Communications Association (FCCA)
- International Association of Chiefs of Police (IACP)
- International Association of Emergency Managers (IAEM)
- International Association of Fire Chiefs (IAFC)
- International Municipal Signal Association (IMSA)
- National Association of State Chief Information Officers (NASCIO)
- National Association of State Emergency Medical Services Officials (NASEMSO)
- National Association of State Foresters (NASF)
- National Association of State Technology Directors (NASTD)
- National Council of Statewide Interoperability Coordinators (NCSWIC)
- National Emergency Number Association (NENA)
- National Sheriff's Association (NSA)

Welcome



Associate Organizations

- PSBN Innovation Alliance (PIA) | **Welcome**
- Utilities Telecom Council (UTC)

Affiliate Organizations

- Alliance for Telecommunications Industry Solutions (ATIS)
- Government Wireless Technology and Communications Association (GWTCA)
- Open Mobile Alliance (OMA)
- Project 25 Technology Interest Group (PTIG)
- Telecommunications Industry Association (TIA)
- TETRA Critical Communications Association (TCCA)
- Safer Buildings Coalition

Welcome



Liaison Organizations

- Federal Communications Commission (FCC)
- Federal Emergency Management Agency (FEMA)
- Federal Partnership for Interoperability Communications (FPIC)
- National Telecommunications and Information Administration (NTIA)
- Public Safety Communication Europe (PSCE)
- SAFECOM Program
- U.S. Department of Homeland Security, Cybersecurity and Infrastructure Agency (CISA)
- U.S. Department of Homeland Security, Science & Technology Directorate (S&T) First Responders
- U.S. Department of Justice (US DOJ)
- U.S. Department of the Interior (US DOI)
- University of Melbourne Center for Disaster Management and Public Safety (CDMPS)



NPSTC Foundation Update

Terry Hall, NPSTC Foundation Chair

NPSTC is a federation of organizations whose mission is to improve public safety communications and interoperability through collaborative leadership.

NSPTC Foundation



- Update – Terry Hall, NPSTC Foundation Chair



Spectrum Management Committee

Don Root, Chair

Charlie Sasser, Vice Chair

Spectrum Management Committee



- 2021 Filings Summary
- 2021 Key Issues To-Date:
 - 4.9 GHz (4.94-4.99 GHz)
 - 6 GHz (5.925-7.125 GHz)
 - Safer Buildings Coalition (SBC) No Noise Task Force Status

2021 Filings Summary

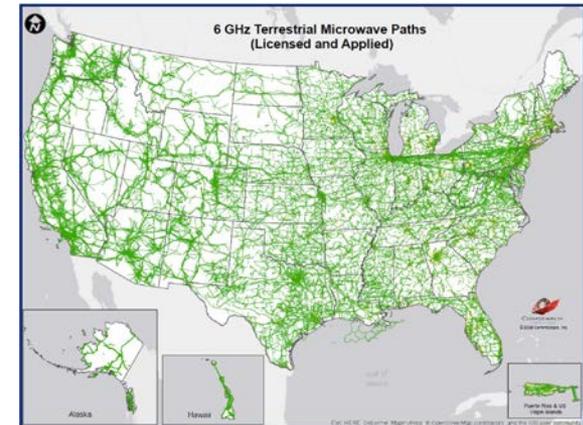
- NPSTC has Completed Four Regulatory Filings to Date in 2021:
 - 3/23/21: Comments on 911 Fee Diversion
 - 2/12/21: Reply Comments on 4.9 GHz 7th NPRM
 - 1/13/21: Comments on 4.9 GHz 7th NPRM
 - 1/08/21: Letter Requesting Lifting of the T-Band Freeze
- NPSTC Completed 17 Regulatory Filings During 2020

4.9 GHz (4.94-4.99 GHz)

- FCC adopted a decision in 2020 to turn over 4.9 GHz management to states and allow spectrum leasing to commercial carriers and others.
- FCC Released “Stay” Order May 27 that places a hold on the leasing framework rules adopted in 2020.
- This action gives time for FCC to reconsider its 2020 decision, as NPSTC, APCO and PSSA requested.
- NPSTC is developing an Ex Parte filing to help refresh the record on its recommendations for the band.

6 GHz (5.925-7.125 GHz)

- 6 GHz band used extensively by public safety (PS), CII, carriers and broadcasters, primarily for Fixed Links.
- FCC decision April 24, 2020 opened the band for unlicensed sharing.
- NPSTC in leadership role on follow up multi-stakeholder group discussing interference issues.
- Status: Stakeholder group discussions continue; FCC quietly monitors calls.
- As of 6/7/2021, WiFi Alliance site lists 19 “6E” device models certified to date.



- Approximately 100,000 MW links at risk
- Courtesy, AT&T Ex Parte Filing, March 16, 2018

Safer Buildings Coalition (SBC) No Noise Task Force Status



- Since 9/11, Fire codes and building codes have made advances in requirements for in-building communications
- FCC also addressed in-building BDAs several years ago
- Current Key Issue: Improperly Installed In-Building Systems
 - Some Generate Interference (Noise)
- The SBC, a NPSTC Affiliate Organization, developed a “No Noise” whitepaper and has created a No Noise Task Force

Safer Buildings Coalition (SBC) No Noise Task Force Status



Graphic courtesy of Safer Buildings Coalition

Safer Buildings Coalition (SBC) No Noise Task Force Status



- Develop comprehensive outline of Best Practices document- potential elements to address include:
 - Requirements for BDAs (when and where best solution)
 - Stakeholder involvement, including licensees, property owners and/or building managers, integrators, first responders, public safety system, fire marshals, etc.
 - Installation best practices.
 - Most common signs of improper deployment and how to avoid them.
 - Best training and certification for installers.
 - Testing to ensure intended wireless coverage is not causing harm to surrounding public safety or private radio systems.
 - Maintenance practices, including preventive and recertification.
 - Best practices for Enforcement for AHJs
 - Best Practices around how Cities collaborate with Counties or Reginal JPAs who maintain radio systems to share information, enforcement, etc.
- The 2007 NPSTC 'Best Practices for In-Building Communications' is recognized as a baseline document to build upon.

Safer Buildings Coalition (SBC) No Noise Task Force Status



Task Force Timeline:

- Winter / Spring 2021:
 - Assemble Task Force Steering Committee; develop plan of action.
 - Define the Working Groups.
 - Invite the ~70 Task Force member specialists to select Working Groups.
- June 2021:
 - Convene Working Groups.
- November 2021:
 - Initial reporting out at Safer Buildings/IWCE joint conference in Washington, DC.



Technology and Broadband Committee

Karen White, Chair

Technology and Broadband Committee



- **Committee Update** – Karen White
- 2021 Goals
 - Continue planned work within each of the three established working groups
 - Outline work and solicit participation for the Cybersecurity working group
 - Outline potential new relevant products from each of the working groups and gain Governing Board approval
 - Begin work on the Technology sections of the next roadmap document

Technology and Broadband Committee



- **Broadband Emerging Technologies Working Group**– Karen White, Chair | Corey Reynolds, Vice Chair
- Vote to approve Corey Reynolds as Chair
- 2021 Presentations
 - Planning for Communications at Vaccination Sites
 - 5G for Public Safety
 - Nashville Bombing: Public Safety Communications Impacts
 - Public Safety Broadband Network Innovation Alliance (PIA)

Technology and Broadband Committee



- **Broadband Emerging Technologies Working Group**– Continued
- **Planned Presentations**
 - Private LTE Networks for Public Safety
 - Updates to National Communications Unit Leader (COML) Training Program
 - Next-Generation 911
 - Atlanta’s Operation Shield Program and Video Integration Center
 - Push-to-Talk Application Interoperability

Technology and Broadband Committee



- **LMR LTE Integration and Interoperability Working Group** – Chris Kindelspire, Chair | Ryan Poltermann, Vice Chair
- **2021 Presentations**
 - ESChat
 - Public Safety Broadband Network Innovation Alliance (PIA)
 - IWF/ISSI Update
 - Joint Meeting with EMS Working Group - Z-Axis for FirstNet® and FirstNet® MegaRange™ solutions from representatives of FirstNet, Built by AT&T, NextNav, Intrepid Networks, the FirstNet Authority and the Texas Department of Public Safety

Technology and Broadband Committee



- **LMR LTE Integration and Interoperability Working Group – Continued**
- **2021 Goals**
 - Group discussion on goals include reports on
 - IWF Key Rotation - Complications may occur when interworking between MCPTT and LMR systems.
 - MCPTT - Working with FirstNet, convergence of MCPTT and other MC Services (Data, Video) and implications to dispatch centers
 - ProSe - State of ProSe standards, ProSe availability, possibly performance comparison between 700/800 MHz radio talk-around
 - Asking for Governing Board approval for the group to pursue these topics

Technology and Broadband Committee



- **Public Safety Internet of Things Working Group** –
Dean Skidmore, Chair | Ryan Poltermann, Vice-Chair
- **Current Approved Work Areas** –
 - Identify Needs and Opportunities for PSIoT Collaboration with Smart Community Initiatives
 - Outline and Develop a Public Safety Baseline for PS IoT Device - Cybersecurity Functionality
 - Outline and Develop PSIoT Governance Best Practices

Technology and Broadband Committee



- Public Safety Internet of Things Working Group (Continued)
- Presentations –
 - Smart City presentations from Coral Gables, City of Mississauga, Ontario
 - Verizon technology update (last update done in 2017) on 5G IoT capabilities for Public Safety,
 - PS IoT device on-boarding process that is used to securely connect a PS IoT device to a Public Safety Broadband Network (PSBN)
 - Municipal IoT / NIST Smart Cities and Communities Framework and City Networks Panel Summary
 - NENA IoT Workgroup mission and Information Document on "NENA Impact of IoT Devices and Emergency Calling Applications"

Technology and Broadband Committee



- **Cyber Security Working Group** – Neil Horden, Chair
- Mission and tasks
 - Investigate and share information directly impacting public safety cybersecurity communications including dispatch, field response, and other means of communications such as input from the public (text, video, social media) and the public safety internet of things.
 - Bring in experts in public safety and other relevant cybersecurity disciplines to share their experiences, lessons learned, and best practices with a focus on the technology used to secure communications.

Technology and Broadband Committee



- Mission and tasks (continued)
 - Develop documents, videos, presentations, and other relevant media that helps the public safety community prepare for and execute protections against cyberattacks to their networks. This may include best practices for points of communications (dispatch, field, and others), a compendium of effective technologies, encryption technologies and operational use, and recommendations/requirements for public safety specific cybersecurity incident plans.
 - Stay abreast of activities in other public safety cybersecurity-focused organizations.
 - Meeting times to be determined
 - Looking for vice chair and working group members

Technology and Broadband Committee



- Cybersecurity Working Group (continued)
- Status
 - Approved by the Governing Board
 - Announced through Constant Contact and other NPSTC Working Groups
 - Completing work on website
 - Groups.io listserv developed
 - Meeting times to be determined
 - Looking for vice chair and working group members



Interoperability Committee

John Lenihan, Chair
Jason Matthews, Vice Chair

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Interoperability Committee

- **Committee Update – John Lenihan, Chair**
- **2021 Goals**
 - Review the NPSTC Best Practice Documents published in 2018 for updates. This task was previously approved by the Governing Board when the Radio Interoperability Best Practice Overall Combined Report was published, and the original Working Group was placed on hiatus.

Interoperability Committee

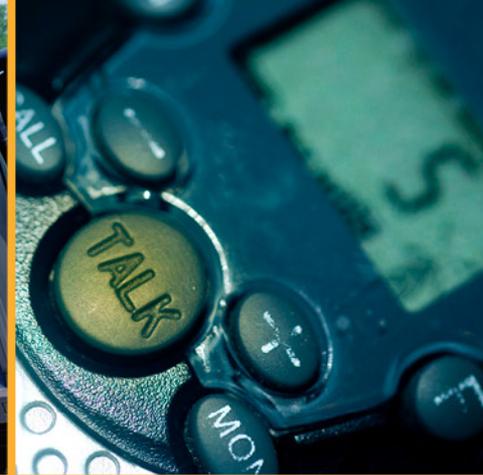
- **NECP Update** – John Lenihan, NPSTC Representative
- **TSAG Update** – John Lenihan, NPSTC Representative

Interoperability Committee

- **NPSTC NASEMSO EMS Working Group** – Kevin McGinnis, Chair | Charlie Fair, Vice Chair
- **Presentations** –
 - Vanderbilt University Medical Center implemented PTT using FirstNet service to enhance EMS field unit communications with the hospital
 - New Technology Review
 - Joint Meeting with EMS Working Group - Z-Axis for FirstNet® and FirstNet® MegaRange™ solutions from representatives of FirstNet, Built by AT&T, NextNav, Intrepid Networks, the FirstNet Authority and the Texas Department of Public Safety

Interoperability Committee

- **NPSTC NASEMSO EMS Working Group – Continued**
- The Working Group is currently working on an update to the 2016 “EMS Telemedicine Report”.
 - Recently entered data into the Survey Monkey program
 - Plans for distribution



NPSTC Awards Presentation

Award Recipients

- **NPSTC Chairman – Kevin McGinnis**



Award Recipients



- **NPSTC Leadership**
– Don Root

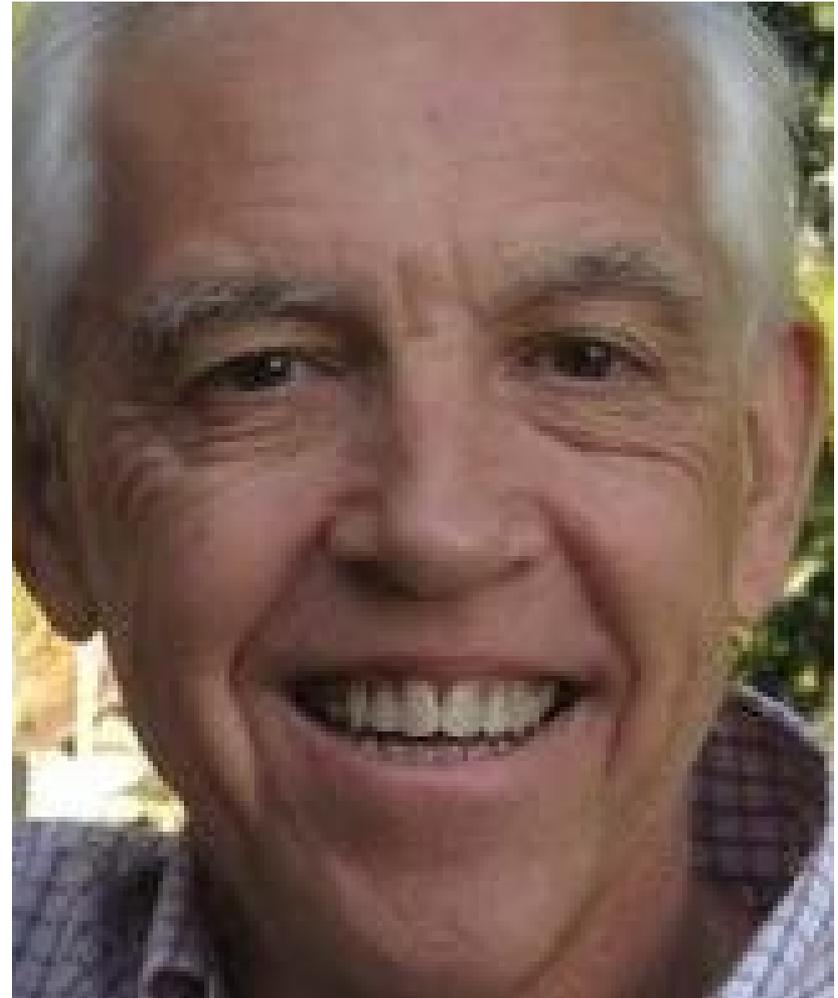
Award Recipients

- **DJ Atkinson –
Michael Wilhelm**



Award Recipients

- **Richard DeMello –
Jim Goldstein**



Award Recipients



- **Lifetime Achievement – Ray Lehr**



Governing Board Support

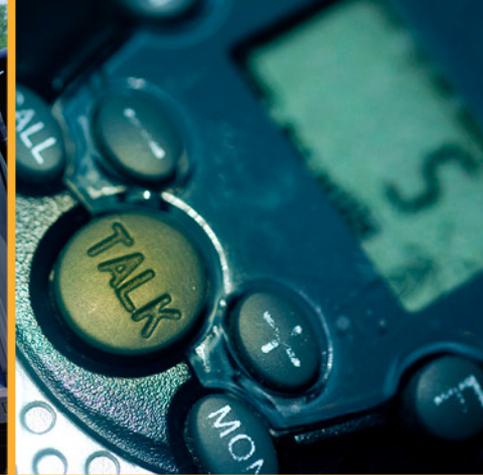
Marilyn Ward, NPSTC Executive Director

Governing Board Support

- **Conference Attendance**
 - IWCE, Fall 2021
 - APCO, August 2021 | Presentation Application Submitted

Upcoming Meetings

- TBD



Adjourn