

## Full NPSTC Meeting

**Friday, March 31, 2017**

**Call In: (510) 227-1018 | Conference ID: 192 7086**

**Webinar Access Information : <https://join.me/NPSTCsupport1>**

**Submit Questions Online  
via [support@npstc.org](mailto:support@npstc.org)**

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# Technical Tips

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- Webinar Access Information: <https://Join.Me/NPSTCsupport1>
- Online participants submit questions to [support@npstc.org](mailto:support@npstc.org).
- Do not use the Join.Me chat bubble, messages will be displayed to all.
- Please mute your phone to minimize background noise. You may also press \*6 to mute your line.
- Please do not put your line on hold, if you have the “music on hold” feature.

# Welcome and Opening

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- Doug Aiken, NPSTC Vice Chair
  - Call to Order
  - Pledge of Allegiance

# 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

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- 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)

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# Welcome to the Associate, Affiliate and Liaison member representatives.

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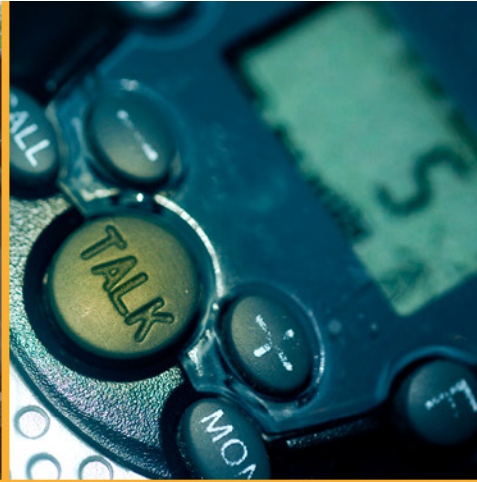
- Associate Organizations
  - Canadian Interoperability Technology Interest Group (CITIG)
  - Utilities Telecom Council (UTC)
- Affiliate Organizations
  - Alliance for Telecommunications Industry Solutions (ATIS)
  - Open Mobile Alliance (OMA)
  - Project 25 Technology Interest Group (PTIG)
  - Telecommunications Industry Association (TIA)
  - TETRA Critical Communications Association (TCCA)

# Welcome to the Associate, Affiliate and Liaison member representatives.

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- 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, Office for Interoperability and Compatibility (OIC)
  - U.S. Department of Homeland Security, Office of Emergency Communications (OEC)
  - 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)



# Technology and Broadband Committee

Tom Sorley, Chair

Andy Thiessen, Vice Chair

Dr. Michael Britt, Vice Chair

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# 3<sup>rd</sup> Generation Partnership Project (3GPP) Standards

**Andy Thiessen, Technology and Broadband Committee Vice Chair  
*via teleconference***

# 3<sup>rd</sup> Generation Partnership Project (3GPP) Standards

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- Release 14
  - Coming to a rapid close.
  - Focused on common use of mission critical components (PTT, data, and video).
- Release 15
  - Phase 1 of the 3GPP initiative to create 5G standards
  - Some LMR LTE interoperability work is proposed
    - How are MC-PTT systems interconnected with LMR systems
    - SA6 meeting in China on April 3<sup>rd</sup> to finalize study items
  - LTE Direct Mode work will not occur in Release 15.
  - This release was designed to have a small set of features in order to speed the deployment timeline.

# 3<sup>rd</sup> Generation Partnership Project (3GPP) Standards, *continued*

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- Release 16
  - Phase 2 of the 3GPP initiative to create 5G standards
  - Additional study of Direct Mode architecture options
    - 3GPP is looking at Vehicle to “everything” (V2x)
    - FirstNet will examine if V2x may work for public safety direct mode by studying gaps between V2x proposals and what first responders need.

# 3<sup>rd</sup> Generation Partnership Project (3GPP) Standards, *continued*

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- SA6 Working Group Migration
  - SA6 Working Group was established by 3GPP to work on mission critical services and was initially dedicated to public safety.
  - SA6 will either transition to include non mission critical work or it will be phased out (unlikely).
  - Expansion of SA6 work would allow more visibility to commercial operators and may result in them commercializing some public safety services. The U.S. supports this change.
    - There is some resistance to this approach.



# Internet of Things (IoT) Working Group

**Barry Fraser, Chair**

# Public Safety Internet of Things (IoT)



- This new Working Group was approved by Governing Board on January 24, 2017.
  - PS IoT has 80 members from public safety, industry and academia.
- The following work items are in the charter:
  - Examine current state of IoT.
  - Examine specific issues that impact public safety.
  - Identify issues and concerns for action by the NPSTC Governing Board.

# Public Safety Internet of Things (IoT)

*continued*



- Additionally, the Working Group may:
  - Create outreach materials to educate public safety on IoT.
  - Schedule presentations to discuss IoT usage by public safety agencies.
  - Examine the role of standardization of the IoT ecosystem.

# Public Safety Internet of Things (IoT)

*continued*



- Working Group Approach
  - Examine current state of IoT.
    - Presentation by NIST on the IoT Green Paper (general IoT focus).
    - Presentation by NIST on the Global City Team Challenge (local government focus).
    - Presentation by DHS S&T on First Responder of the Future (public safety focus).
  - Examine specific issues that impact public safety.
    - IoT and sensor support for various public safety responses.
    - IoT and sensor networks.
    - The role of edge and analytic processing.
  - Identify issues and concerns for action by the NPSTC Governing Board.
    - Advocate for best practices and technical requirements as appropriate.





# Radio Programming Compatibility Requirements (Radio PCR)

**Tom Sorley, Technology and Broadband Committee Chair**

# Radio PCR Working Group

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- PAM Tool Update
  - Version 6 is being finalized (freeze date 1/27/2017)
  - Compliant with DHS NIFOG Version 1.6.1 (April 2016)
  - Clean up of spreadsheet functionality
  - New manufacturer added: Relm
  - Restructuring administrative control, standardizing passwords

# Radio PCR Working Group *continued*



- TIA Update
  - Request for Technical Bulletin submitted during presentation to TIA on February 1, 2017.
  - Technical Bulletin will create a standardized data exchange format for basic radio programming.
  - TR-8 Private and Personal Radio Standards Committee is now evaluating the request and comments received from TIA members.
- Outreach Update
  - Working with DHS S&T to have PAM Tool checked for compliance with applicable federal standards (e.g. 508 compliance).
  - DHS OEC will post the PAM Tool to the SAFECOM website.



# Unmanned Aircraft Systems (UAS)/ Robotics Working Group

**Dr. Michael Britt , Chair**

# UAS and Robotics Working Group



- Progress Report
  - First report from the Working Group has been completed
    - Unmanned Air Systems and Robotics – Guidelines for Creating a UAS Program.
    - Identifies specific components that must be evaluated by public safety agencies.
- **ACTION NEEDED:** *Governing Board consideration for approval of this report.*



# UAS and Robotics Working Group

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- Next report will focus on UAS and Aerial Communications.
  - How UAS can provide voice and data communications to support an incident.
  - Will examine both LMR and LTE implementations.
- Future Work
  - Continue to examine public safety use.
  - Schedule additional education presentations on UAS/R use by public safety and new technologies offered by industry.
  - Charles Werner will be discussing a new public safety coalition on UAS later in the meeting, which may impact this Working Group.



# Broadband Deployable Systems Working Group

**Claudio Lucente, Chair *via teleconference***

# Broadband Deployable Systems



- The Working Group has completed its mission to research and produce a comprehensive report on the use of Broadband Deployable Systems.
  - The Working Group started this effort in August of 2014
  - More than 150 participants have engaged with the Working Group.
  - The final report is 254 pages and includes significant technical detail and discussion.
  - Technical assistance was provided by Defense Research and Development Canada's Centre for Security Science, PSCR, Simon Fraser University as well as robust industry interaction.



# Broadband Deployable Systems

*continued*



- The report includes five main components:
  - 1. Operational, technical, and background information.**
    - This information is contained throughout the report in the various chapters relating to specific BBDS components and issues.
  - 2. Public Safety Technical Requirements**
    - Fifty four technical requirements have been identified which articulate necessary capabilities of BBDS technology.
  - 3. Deployment Considerations**
    - Assume that BBDS can be owned, dispatched, and operated by local/state/provincial/federal agencies and by NPSBN contractor;
    - Operator training issues for first responders, public safety technicians and FirstNet contractor teams.

# Broadband Deployable Systems

*continued*



- The report includes five main components:
  4. **Technical Challenges**
    - A series of technical challenges have been identified that may inhibit the capabilities that are expected from the utilization of BBDS by public safety agencies.
  5. **Conclusions and Recommendations**
    - 18 conclusions have been identified which illustrate public safety's expectations of BBDS technology; and
    - 16 action items articulate a “path forward” for the implementation and use of BBDS.

# Broadband Deployable Systems

*continued*



- Broadband Deployable Systems Final Report
  - Upon approval, this report will be transmitted to the FirstNet PSAC and will be publicly released by NSPTC.
  - Additional work in this area will be managed by the Broadband Emerging Technologies Working Group and/or the Technology and Broadband Committee.
- ACTION NEEDED: *Governing Board consideration for approval of this report.*
- ACTION NEEDED: *Governing Board motion to close the Broadband Deployable Systems Working Group*



# Broadband Emerging Technologies Working Group

**Kim Coleman Madsen, Chair**  
*via teleconference*

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# Broadband Emerging Technologies Working Group

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- Working Group Update
  - February session was a panel presentation on LTE Small Cells and the impact to public safety.
    - Gary Monetti moderated the panel which involved four industry participants.
  - March session was a presentation by the Broadband Deployable Systems Working Group on the key findings in their report.
  - April session will tentatively include a presentation by the City of Houston and Harris County on broadband utilization at the Super Bowl.

# Broadband Emerging Technologies Working Group

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- Working Group Update
  - The Working Group will be reviewing two reports coming from the NPSTC EMS Working Group later in the year:
    - Rural Implications for EMS Usage of Public Safety Broadband.
    - Broadband EMS Applications Update.



# LMR LTE Integration and Interoperability Working Group

**Chris Kindelspire, Chair**

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# LMR LTE Integration and Interoperability Working Group

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- Three focus areas are being completed:
  - Validate existing 2012 NPSTC Mission Critical Voice requirements
  - Examine additional features and capabilities needed for LMR/LTE interoperability
  - Monitor 3GPP Standards Process regarding LMR/LTE Interworking



# LMR LTE Integration and Interoperability Working Group *continued*



- Eight use cases have been completed which assess how public safety agencies will communicate during LMR and LTE joint operations.
  - Use Case 1: Single Talkgroup PTT Voice Interworking
  - Use Case 2: Multiple interconnected LMR/LTE talkgroups
  - Use Case 3: Off Network Communications
  - Use Case 4: Consultation/Full Duplex Voice
  - Use Case 5: Incident Command Monitor/SCAN
  - Use Case 6: Emergency and Unit/Talker ID
  - Use Case 7: Cellular Push to Talk/Over the Top Push to Talk
  - Use Case 8: Encryption

# LMR LTE Integration and Interoperability Working Group *continued*

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- An additional 12 items are under discussion by the Working Group.
  - These include Individual/Private Call, Radio Monitor, Radio Check
    - Of these features:
      - a) Which ones are essential to LMR LTE integration?
        - Which ones are optional?
      - b) Which features can be managed through other means?
        - Can a dispatcher walk to another terminal to inhibit a radio?
      - c) Which features are needed on consoles but not on subscriber radios?
        - Some requirements may be satisfied through the console which can integrate a variety of technologies, vs. having the feature supported through the interface.

# LMR LTE Integration and Interoperability Working Group *continued*

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- The Working Group has shifted from two conference calls a month to one conference call a month.
- The next step is to organize the material into a report for the Governing Board.



# Video Technology Advisory Group (VTAG) Working Group

**John Contestible, Chair**

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# Video Technology Advisory Group (VTAG) Working Group

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- Working Group Update:
  - Reviewed Video Handbook Update.
  - Handbook to be published as addendum to Volume 1 – presently under review at DHS First Responders Group.
  - Next VTAG Meeting will be held on April 26, 2017.

# Video Technology Advisory Group (VTAG) Working Group *continued*

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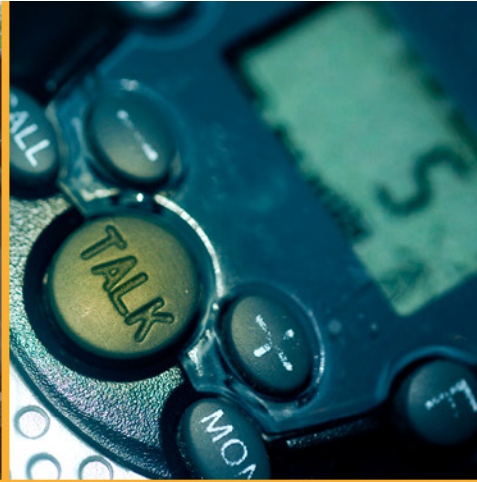


- DHS VQiPS update :
  - Finalizing charter/governance document.
  - Likely to result in an increase in enrollment in VTAG.
  - VTAG role as "principle staff" formalized in charter.
  - Priority the remainder of this year is video analytics/redaction and video transport.
  - Literature review with Washington State University, Dr. David Makin initiated to look at what research has been done on Body Worn Camera (BWC) datasets and circumstances around positive/negative encounters with the public.



# Public Safety Communications Research (PSCR)

**Dereck Orr, Division Chief, *via teleconference***

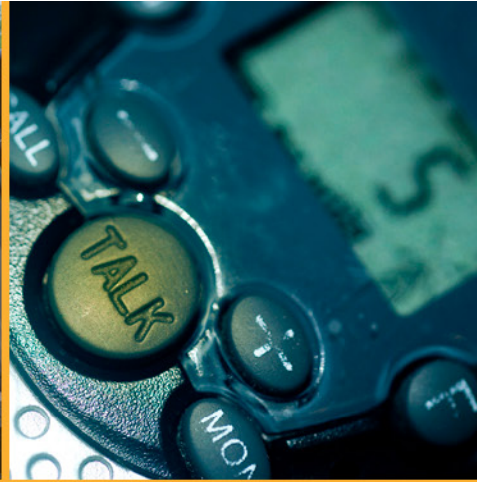


## Topical Presentation

**National Council on Public Safety UAS (NCPSU)**  
**Charles Werner, Senior Advisor, Virginia Department of Emergency Management, *via teleconference***

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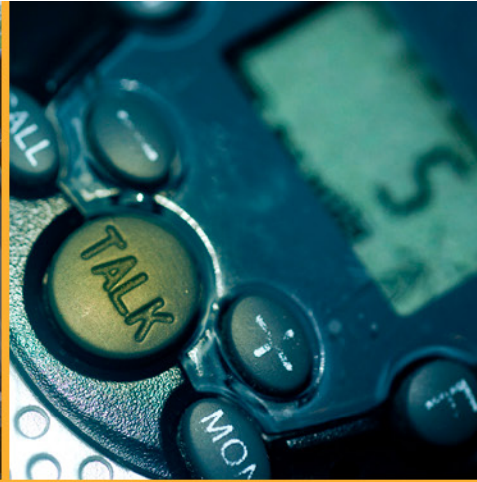




## FirstNet NPSBN Development

**Kevin McGinnis, FirstNet Board Member**  
**FirstNet Public Safety Advisory Committee (PSAC), Harlin**  
**McEwen, Committee Chair**

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## Federal Partners Update

**Department of Homeland Security (DHS), Office of Emergency Communications (OEC) – Dusty Rhoads, Chief of the Public Safety and National Security Emergency Preparedness Communications Governance Branch**

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## Office of Emergency Communications Update

March 31, 2017

Robert (Dusty) Rhoads  
Office of Emergency Communications

# OEC's Role in Emergency Communications

OEC's unique mission enables holistic approach to all aspects of emergency communications across all levels of government.

## Emergency Communications in the NS/EP and Public Safety Community

Domains and Systems	<b>911, NG911, LMR, AUXCOM, Broadband, Alerts and Warnings,</b>
Jurisdictions	<b>Federal, State, Local, Territorial, Tribal and NGOs</b>
Users and Functions	<b>PSAPs, Law Enforcement, Fire, EMS, Emergency Management, Critical Infrastructure</b>



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Office of Emergency Communications

# 2016 NGA Policy Academy

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- **Consistent themes heard during workshops**
  - Managing technology sustainability
  - Establishing strong governance structures to help with sustainability
  - Elevating issues to the highest level
  - Crafting the right message on the technological revolution
  
- **Sampling of best practices consistently reported include**
  - Early involvement of state legislature, mayors and other elected officials to build relationships
  - Messaging public safety communications sustainment as a life-saving, public safety issue



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# Border Activities

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## Southern Border

- Southwest Border Communications Working Group (SWBCWG) Ad Hoc Focus Group
  - Recently established to identify gaps and opportunities to improve federal, state, local, and tribal interoperable public safety communications within approximately 60 miles of the southwest border
  - Focus Group is intended to support the Administration's focus on border security
- SWBCWG Meeting: May 23-24, 2017, in Sacramento, CA

## Northern Border

- CAUSE V Planning
- Canada – United States Communications Interoperability Working Group (CANUS CIWG) Meeting: June 20-21, 2017, in Buffalo, NY



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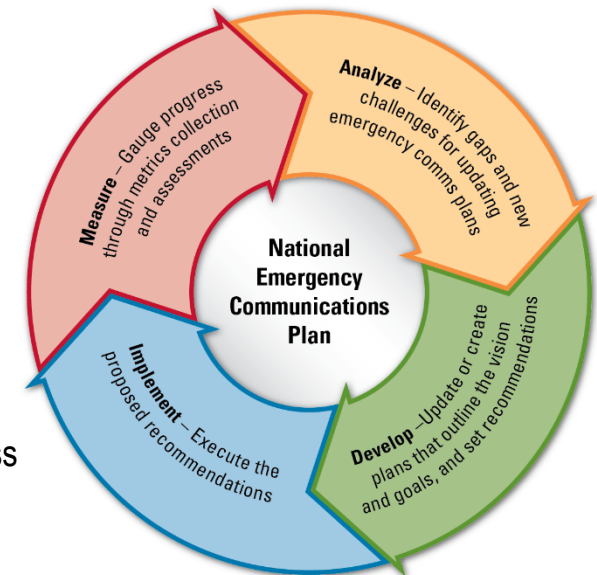
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# NCBA Goal and Objectives

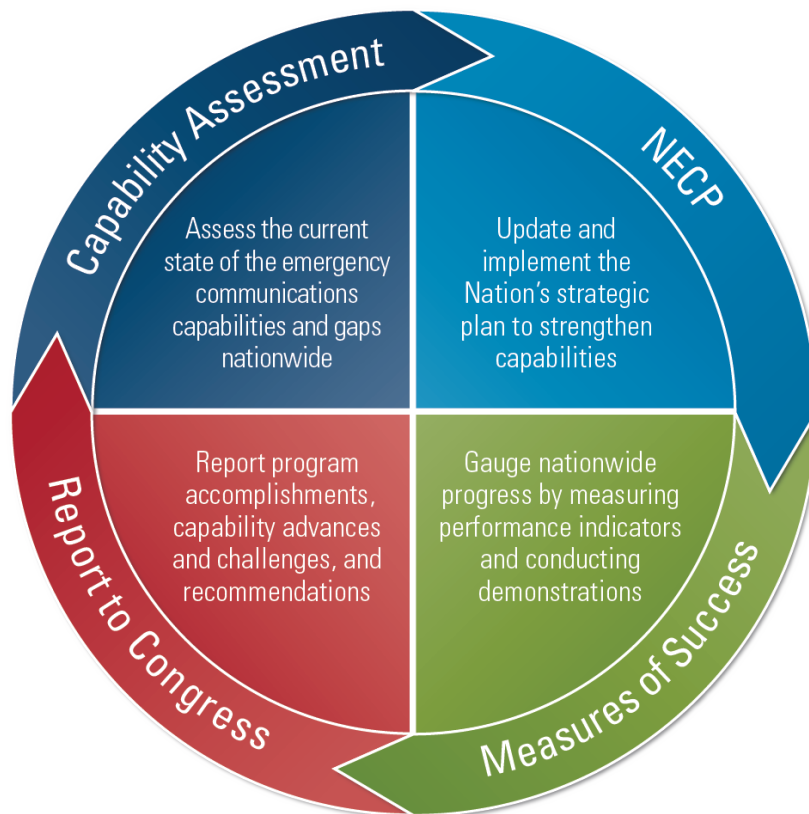
## Nationwide Communications Baseline Assessment (NCBA):

- **Goal:** Conduct a nationwide baseline assessment of the current ecosystem of communications capabilities needed and in use by emergency response providers
- **Objectives:**
  - Address “Title XVIII – Emergency Communications” requirements:
    - Sec. 1803 (a) Baseline Assessment “...no less than every 5 years...”
    - Sec. 1803 (b) Progress Reports “...biennially submit to Congress”
  - Develop an improved assessment framework that allows OEC to determine the *available vs. needed* communications capabilities
  - Establish a consistent, repeatable, and effective baseline assessment process to help standardize OECs national planning lifecycle
  - Obtain reportable data to inform OEC programs and services:
    - Identifies gaps where OEC can target resources via TA, SCIPs, SAFECOM Guidance, etc
    - Helps establish agendas, and sets or re-confirms priorities
    - Defines capabilities central to helping stakeholders improve response capacity

## Repeatable NECP Strategic Management Process



# Statutory Requirement



## Title XVIII of the Homeland Security Act

“(a) **Baseline Assessment.**— Not later than 1 year after the date of enactment of this section and not less than every 5 years thereafter, the Secretary, acting through the Director for Emergency Communications, shall:

- (1) Conduct an assessment of Federal, State, local, and tribal governments that:
  - (a) Defines the range of capabilities needed by emergency response providers and relevant government officials to continue to communicate in the event of natural disasters, acts of terrorism, and other man-made disasters;
  - (b) Defines the range of interoperable emergency communications capabilities needed for specific events;
  - (c) Assesses the current available capabilities to meet such communications needs;
  - (d) Identifies the gap between such current capabilities and defined requirements; and....”





# Overview

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## SAFECOM Nationwide Survey (SNS):

- Gathers the data needed to conduct the Nationwide Communications Baseline Assessment (NCBA)
- Questions focus on inquiring about the nation's current emergency communications capabilities and identifying gaps
- Target Audience: federal, state & territories, tribal & local jurisdictions
- Focus: Fire and Response, Law Enforcement, Emergency Medical Services, and Public Safety Answering Points
- Aiming for a fall release
- Survey will be open for 30 days



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# Why is the SNS important to you?

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## Stakeholder Benefits:

- Provides data to help decision makers at all levels of government make emergency communications policy and funding decisions
- The results could specifically be used to:
  - Complement the THIRA processes
  - Inform State/Local grant programs and guidance
  - Inform funding strategies
  - Support SWIC roles and responsibilities
- Aids organizations and jurisdictions in evaluating their own capabilities
- Prompts key emergency communications planning questions – who do you need to coordinate with, have you included cybersecurity in your planning, etc.



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# Your role in the SNS?

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- Respond to the survey and encourage response to the survey
- Assist with outreach at all levels of government: include SNS information in your meetings, newsletters, calls, etc.
- If you have any questions, e-mail [OECNECP@hq.dhs.gov](mailto:OECNECP@hq.dhs.gov)



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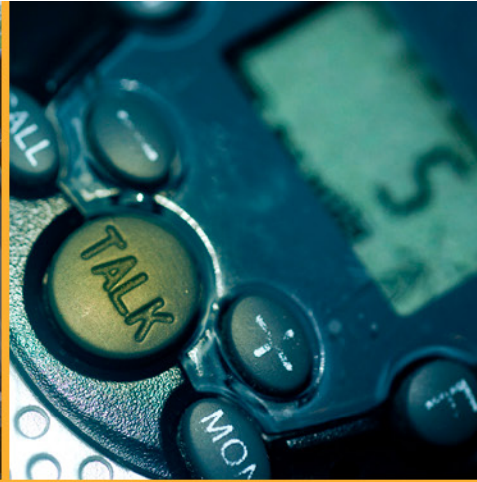


# Homeland Security



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# NPSTC Organization Update

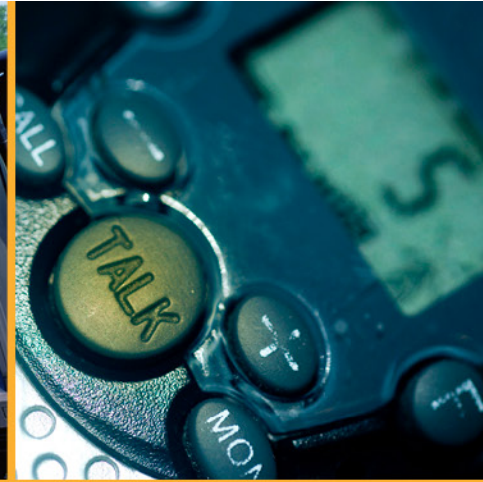
## TETRA and Critical Communications Associations (TCCA) Phil Kidner, Affiliate Representative

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Thank you participants for creating:



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# Spectrum Management Committee

Don Root, Chair  
Charlie Sasser, Vice Chair

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# Committee Issue Update

## 700 MHz Public Safety Air-to-Ground (ATG)



- FCC Public Notice March 15; Comments due May 1, 2017.
- Eight Channels previously designated for U.S.
- Current U.S./ Canada Agreement does not cover ATG
- FCC-U.S./ISED-Canada in discussions
- Options:
  - Same ATG channels in U.S. and Canada – Each country restricted in ATG use
  - Different ATG channels in U.S. and Canada – Choice of channels and maximum height in Canada determines impact to U.S.
  - Mix- some channels the same for interoperability; others distinct
- Spectrum Committee studying options to draft substantive recommendations.



# Committee Issue Update

## 800 MHz Cellular Service Reform



- Benefit to 800 MHz Cellular Carriers:

- FCC Decision March 23.
- Rule changes enable broadband
- Permits Power Flux Density (PFD) to use same power across band, whether broadband or narrowband
- Conforms 800 MHz cellular technical rules to those in other CMRS bands
- Keeps existing interference resolution rules/procedures

- Impact to Public Safety:

- May increase interference
- FCC calls for a Public Forum among PS, PS equipment manufacturers and commercial carriers to address band coexistence
- FCC raises possibility of public safety receiver requirements

# Committee Issue Update

## NHTSA Vehicle-to-Vehicle (V2V) Proposal



- NHTSA NPRM-Docket 2016-0126 ---- 392 pages
- Comments due April 12, 2017.
- NPRM proposes to mandate for V2V communications for new light vehicles for crash avoidance.
- Also proposes to standardize the message and format of V2V transmissions.
- Would phase in over four years following final rule.
- Committee plans to draft supporting comments for the Governing Board review and approval.
- NPRM includes discussion on 5.9 GHz DSRC.



# Committee Issue Update

## 700 MHz Deployable Trunked Channels

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- NPSTC and the NRPC jointly issued a report October 2015 entitled “700 MHz Nationwide Deployable Trunked Solutions.”
- Since that time, NRPC has implemented its administration of system IDs, etc.

# Committee Issue Update

## 700 MHz Deployable Trunked Channels *continued*

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- We now need to take steps toward an updated report:
  - Educate agencies on how to obtain a deployable trunked system ID.
  - Determine whether P25 Phase II mode can be used in addition to the P25 Phase I mode.
  - Address some concerns in the U.S. / Mexico border area regarding potential conflicts on deployable trunked system control channels.
  - Promote adoption of 700 MHz deployable trunked channels in Canada.
  - Determine whether to develop a sample programming template to use in updating the PAM tool, working with the Technology and Broadband Committee.
- The Committee requests Governing Board approval for this activity.



# Committee Issue Update

## 4.9 GHz

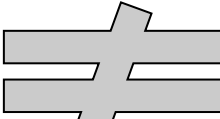
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- NPRM previously on FCC 8<sup>th</sup> floor circulation.
- Pulled from circulation in January 2017.
- We hear that some degree of edits/modifications are being made.
- Awaiting FCC adoption/release.
- Expect NPRM to include some discussion on spectrum sharing.

# Committee Issue Update

## 4.9 GHz *continued*

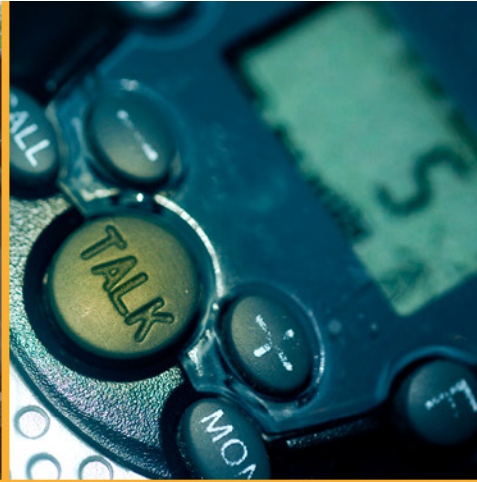
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- Committee has held two educational sessions to learn how dynamic spectrum management through a spectrum access system (SAS) is designed and is being tested at 3.5 GHz.
- Spectrum environment a key factor in sharing mechanisms.
- Spectrum environment: 4.9 GHz  3.5 GHz.

# NPSTC Filings in 2017



Date Filed	Topic	Type of Filing
<b><u>Anticipated:</u></b>		
TBD	4.9 GHz NPRM (TBR)	Comments, FCC
5/01/17	700 MHz A-G Border	Comments, FCC
4/12/17	V2V Mandate & Standardization	Comments, DOT/NHTSA
<b><u>Completed:</u></b>		
3/24/17	Wilson/Cellular Boosters	Comments, FCC
3/06/17	Higher Ground	Comments, FCC
1/27/17	North Dakota n-VLAW 31	Comments, FCC
1/22/17	P25 Encryption Capabilities	Letter, DHS



## **Federal Partners Update** *Continued*

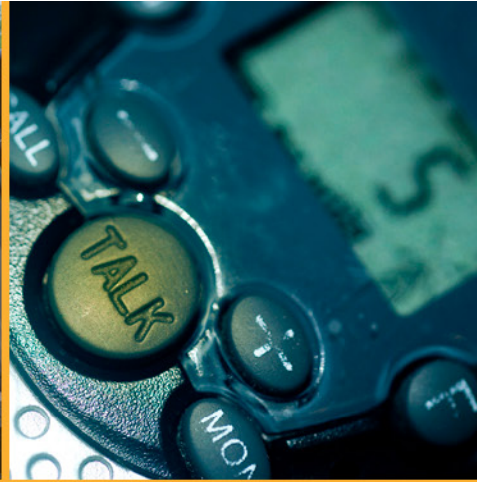
**Federal Communications Commission (FCC)**

**David Furth, Deputy Bureau Chief**

**Charles Cooper, Acting Field Director, Enforcement Bureau**

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# Interoperability Committee

John Lenihan, Chair  
Jason Matthews, Vice Chair

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# Interoperability Committee

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- Monitoring non P25 system implementations for public safety.
  - Digital Mobile Radio (DMR) and TETRA are replacing legacy analog systems.
- Monitoring encryption issues.
  - Vendors are creating compatible, industry encryption schemes, that work across manufacturer and radio platforms.
  - Harris is releasing an encryption that is compatible with Motorola’s proprietary Advance Digital Privacy (ADP) offering.
- Monitoring state laws on use of “hand-held” devices.
  - Many states are enhancing their laws to prevent mobile device use while driving.
  - Reviewing impact to public safety operations.



# Emergency Medical Services

**Paul Patrick, Chair**

# EMS Working Group



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- Completed report on “Public Safety Broadband Data: Implications for Rural EMS.”
    - Highlights unique issues facing rural EMS providers.
    - Addresses three components: Time, Resources, and Incidents.
    - Examines solutions to improve patient care.
    - Report is in final editing and will reach the Governing Board soon.
  - Starting review of EMS Broadband Public Safety Applications list that was created in 2012.
    - Determine current status of applications.
    - Identify new applications that may be needed by EMS.



# Radio IO Best Practices Working Group

**Mark Schroeder, Chair**

# Radio Interoperability Best Practices



- Best Practice Master Report and three Best Practice Statements were approved by the Governing Board on January 24, 2017.
  - These documents have been published and distributed broadly.
  - Best Practice 1,2,3 were also approved:
    - BP #1: Nationwide IO Channel Naming and Usage
    - BP #2: IO Systems Change Management Practices
    - BP #3: Training and Proficiency in the Management and Usage of IO Equipment and Systems.

# Radio Interoperability Best Practices

*continued*



- Best Practice # 4 on Governance and Interoperability Relationships has been completed and distributed to the Governing Board.
  - ACTION NEEDED: *Governing Board consideration for approval of report.*
- Work continues to finalize the next Best Practice document covering Infrastructure Management.



# Cross Border Working Group

**Steve Mallory, Chair**



# Cross Border Working Group



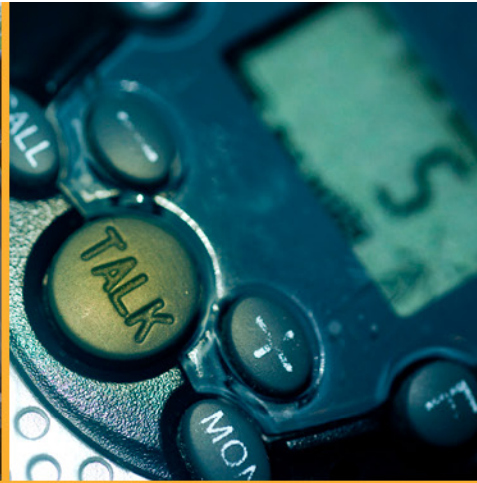
- Finalizing input on the Cross Border 911 Data Sharing Report
  - Provides guidance to PSAPs along the U.S. Canadian border on how to access customer account and location data that resides with a commercial carrier in the other country.
  - Also provides guidance for the management of calls which did not trigger a 911 call.
- Reviewing the FCC Public Notice on 700 MHz Air to Ground channels.
  - Presentation received from Brian Marengo from the FCC.
  - Monitoring efforts in the Spectrum Management Committee.

## Cross Border Working Group *continued*

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- Participating with CITIG at the upcoming CANUS Communications Interoperability Working Group meeting in Buffalo, NY, with DHS OEC and Public Safety Canada.



## Adjourn

**Save the Date**

**Teleconference Meeting | July 27, 2017**

**In Person Meeting | Wednesday, September 6, 2017**

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## Level IV Executive Session

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- NPSTC Chair
- NPSTC Vice Chairs
- Committee Chairs
- Committee Vice Chairs
- Voting Member Representatives and Alternates
- NPSTC Director
- NPSTC Deputy Directors
- Invited Guests