

Current Events in the Public Safety Community

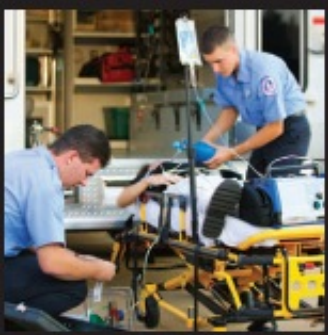
APCO 2013

Wednesday, August 21, 2013

Moderator – Ralph Haller

Panelists: Tom Sorley, David Buchanan, Harlin McEwen, Barry Luke

The member organizations of the National Public Safety Telecommunications Council are grateful to the Department of Homeland Security's Science and Technology Directorate, Office for Interoperability and Compatibility (OIC) and the National Protection and Programs Directorate, Office of Emergency Communications (OEC). Points of view or opinions expressed are those of the originators and do not necessarily represent the official position or policies of the U.S. Department of Homeland Security.



NATIONAL PUBLIC SAFETY
TELECOMMUNICATIONS COUNCIL



Welcome

Ralph Haller, NPSTC Chairman



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NPSTC Mission Statement



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

NPSTC Member Organizations



Member Organizations

- American Association of State Highway Transportation Officials
- American Radio Relay League
- Association of Fish and Wildlife Agencies
- Association of Public-Safety Communications Officials – International
- Forestry Conservation Communications Association
- International Association of Chiefs of Police
- International Association of Emergency Managers
- International Association of Fire Chiefs
- International Municipal Signal Association
- National Association of State Chief Information Officers
- National Association of State Emergency Medical Services Officials
- National Association of State Foresters
- National Association of State Telecommunications Directors
- National Emergency Number Association
- National Sheriffs' Association

Associate Member Organizations

- Alliance for Telecommunications Industry Solutions
- Canadian Interoperability Technology Interest Group
- National Council of Statewide Interoperability Coordinators
- Telecommunications Industry Association
- Utilities Telecom Council

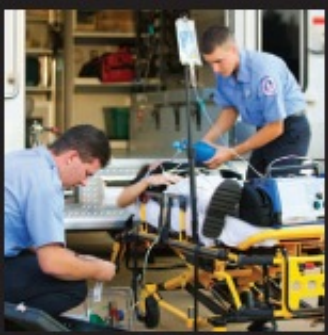
Liaison Organizations

- Federal Communications Commission
- Federal Emergency Management Agency
- Federal Partnership for Interoperable Communications
- National Telecommunications and Information Administration
- Office for Interoperability & Compatibility
- Office of Emergency Communications
- Public Safety Communication Europe
- SAFECOM
- U.S. Department of Justice
- U.S. Department of the Interior

How is NPSTC organized?



- Governing Board
 - Representatives from each of its member organizations
- Executive Committee
 - Chair, Vice Chair, Committee Chairs and Vice Chairs
- Technical Committees
 - Interoperability Committee
 - Spectrum Management Committee
 - Technology Committee



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Technology Update

Tom Sorley, Technology Committee Chair



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NPSTC Broadband Working Group Recap



- In 2012, a new 700 MHz Broadband SOR was developed by a large working group of more than 170 public safety and industry experts.
 - The new SOR was approved by the NPSTC Board
 - The FirstNet Board of Directors asked NPSTC to provide a Launch Requirements document covering only what public safety will require at launch of network.

NPSTC Broadband Working Group Recap

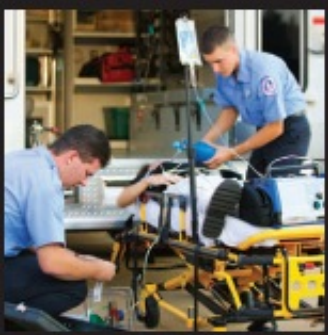


1. Launch Requirements - Quantitative
2. SOR 1-3 years - Qualitative
3. Console/LTE Requirements
4. Definition of Public Safety Grade
5. Security
6. Voice/LTE PTT
7. PS Cellular Telephony
8. PS Messaging
9. Globalize Requirements/3GPP

Technology Issues



- Radio PCR
 - Radio Programming Compatibility Requirements Working Group
 - Common interface allowing a single technician to program P25 radios from disparate vendors
- Video Technology Advisory Group (VTAG)
 - Ready to release an updated public safety video guide
 - Excellent resource before procuring or implementing video systems
 - Meeting planned for Houston, Texas on October 2-3.



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TELECOMMUNICATIONS COUNCIL



NPSTC Discusses Current Spectrum Issues

David Buchanan, Spectrum Management Committee Chair



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FCC Filing Recap/Anticipated Filings



Issue	Docket or RM No	Comment Deadline	Reply Deadline	NPSTC Actions
LA-RICS Waiver Petition	RM-11433	2/11/13	2/25/13	Comments Filed 2/11/13
FCC T-Band PN	PS 13-42	5/13/13	6/11/13	Comments Filed 5/13/13
NPRM re 700 BB, incl. NB relocation	PS 12-94	5/24/13	6/10/13	Plan to File
5.9 GHz ITS	ET 13-49	5/28/13	6/27/13	Plan to File
NPRM- Multiple 700 NB Issues	PS 13-87	6/18/13	7/18/13	Plan to File
Receiver Performance	ET 13-101	6/21/13	7/8/13	Plan to File

NPSTC Spectrum Issues



- 4.9 GHz
 - NPSTC is completing a National Plan Report to submit to the FCC
- 700 MHz Narrowband Proceeding
 - Rule making portion of the order made minor changes to outdated technical rules
 - NPRM items
 - Extend or eliminate the December 31, 2016 narrowbanding deadline for 700 MHz public safety narrowband licensees to transition from 12.5 kilohertz to 6.25 kilohertz channel bandwidth technology.

NPSTC Spectrum Issues

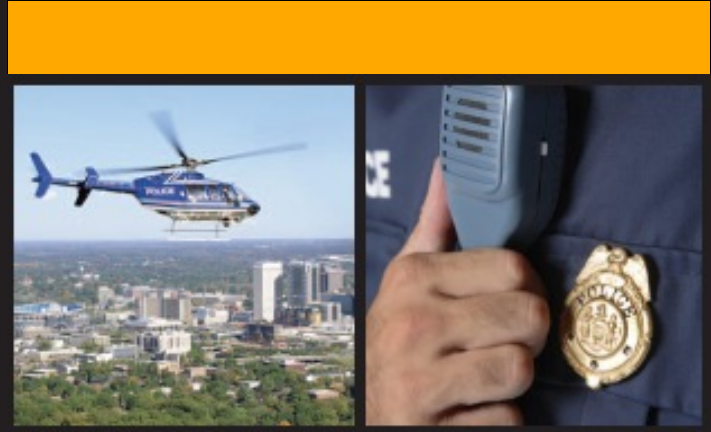
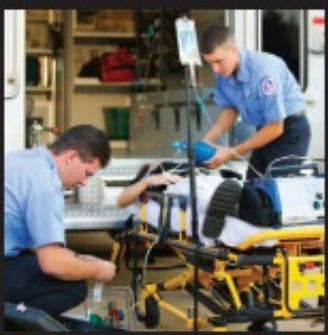


- 700 MHz Narrowband Proceeding
 - NPRM Items
 - 2010 NPSTC Petition – Air-Ground Communications on Secondary Trunking Channels
 - Nationwide Interoperability Travel Channel
 - Tactical Voice Communications on Data Interoperability Channels
 - Reserve Channels
 - Proposed to use 48 6.25 kHz channels for Nationwide use of transportable trunked systems.
 - This is modified by the LA-RICS petition to also allow general use under RPC because of the T-Band issue
 - Current proposal is these can be allocated to agencies for general use but the system design must be compatible with the interoperability transportable trunked use.

NPSTC Spectrum Issues



- 700 MHz Narrowband Proceeding
 - NPRM Items
 - Interoperability Network Access Code
 - User Access to Interoperability Channels
 - Clarify if all I/O channels must be in a subscriber unit or that the units only are capable of programming any I/O channel
 - Analog Operation on the Interoperability Channels



NPSTC Reviews Current Activities Nationwide Public Safety Broadband Network

Harlin McEwen, NPSTC Governing Board Member



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Harlin R. McEwen

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FBI Deputy Assistant Director (Ret) - Washington, DC
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Chairman, Communications & Technology Committee
International Association of Chiefs of Police (IACP)



Communications Advisor & Life Member
National Sheriffs' Association (NSA)



Chairman, Public Safety Advisory Committee (PSAC)
First Responder Network Authority (FirstNet)

APCO 2013
Anaheim, California
August 21, 2013

Nationwide Public Safety Broadband Network

Many Years of Public Safety Work

1995 – (June 25) FCC & NTIA established the Public Safety Wireless Advisory Committee (PSWAC)

1996 – (September 11) PSWAC final report. Recommended 97.5 MHz of new spectrum

1997 – (August 5) Congress directed the FCC to allocate 24 MHz of spectrum to public safety in the 700 MHz band (TV Channels 63, 64, 68, 69)

1998 – (August 6) FCC established the Public Safety Coordination Committee (NCC) to recommend how the 24 MHz of Public Safety Spectrum should be used

2003 – (July 17) NCC final report. Recommended 12 MHz voice & 12 MHz for data

2007 – (August 10) FCC changed channel assignments within the 24 MHz & set forth rules for a new nationwide public safety broadband license resulting in formation of the Public Safety Spectrum Trust (PSST) who was issued the nationwide public safety broadband license

Nationwide Public Safety Broadband Network

Many Years of Public Safety Work

2012 – (February 17) Congress passed groundbreaking legislation creating a new Nationwide Public Safety Broadband Network (PSBN)

2012 – (February 22) President Obama signed Public Law 112-96.

2012 – (August 20) At the APCO 2012 Conference in Minneapolis, the Acting Secretary of Commerce announced the appointment of the FirstNet Board Members.

2012 – (September 25) FirstNet Board held first meeting in Washington, DC.

2012 – (November 15) FCC issued public safety 20 MHz broadband license to FirstNet.

2012 - (November 7) FirstNet Chairman appointed FirstNet Public Safety Advisory Committee Chairman

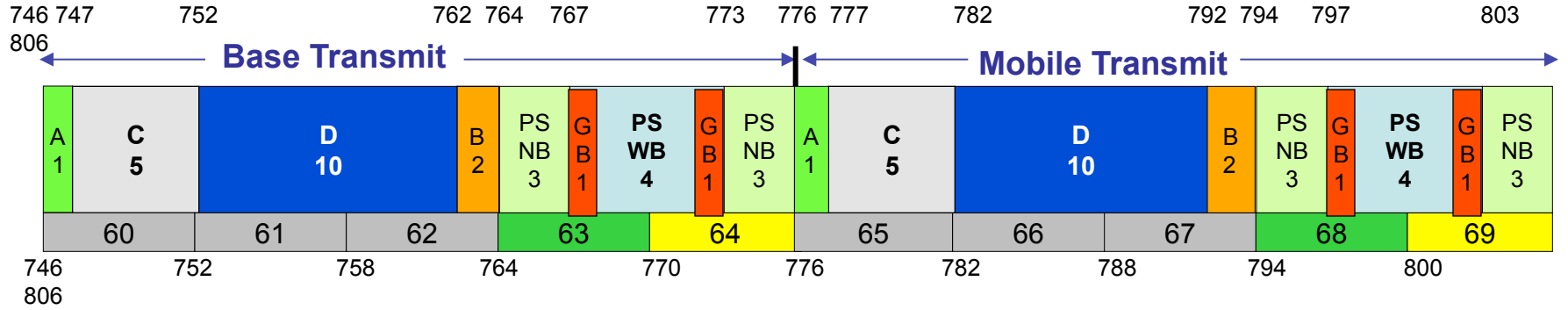
2012 – (November 20) FirstNet Chairman appointed four PSAC Vice Chairs

2013 – (March 26-27) FirstNet PSAC EC Workshop with FirstNet Technical Team in California

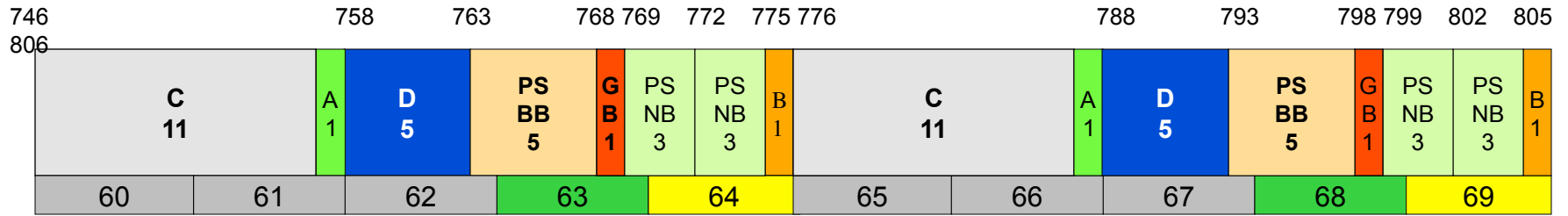
2013 - (April 2) First PSAC Teleconference Meeting

2013 – (June 4) First PSAC In-Person Meeting, Westminster, Colorado

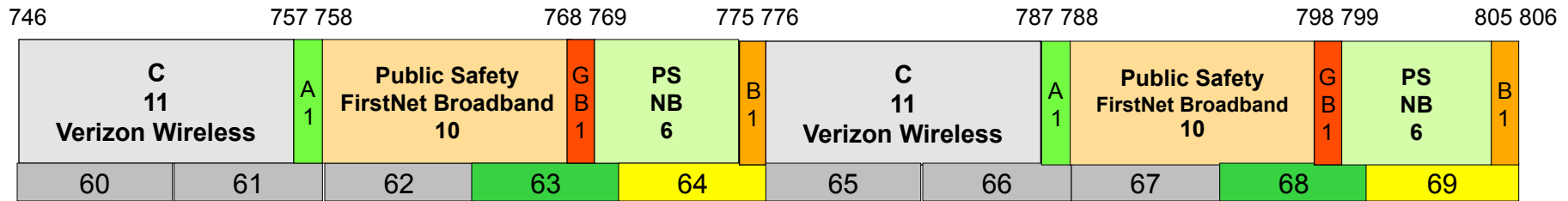
Previous Band Plan - Upper 700 MHz



Band Plan - Adopted by FCC on July 31, 2007



New Band Plan – November 15, 2012



FirstNet Board

Chair Sam Ginn

Secretary of Homeland Security, U.S. Attorney General,
Director of the Office of Management & Budget, Tim Bryan, Charles Dowd
Craig Farrill, Paul Fitzgerald, Jeff Johnson, William Keever, Kevin McGinnis,
Ed Reynolds, Susan Swenson, Teri Takai, Wellington Web

Public Safety Advisory Committee (40 Members)

PSAC Executive Committee

PSAC Chair Harlin McEwen (Police-IACP)
PSAC Vice Chair Bill McCammon (Fire-Metro Chiefs)
PSAC Vice Chair Paul Patrick (EMS-NAEMSO)
PSAC Vice Chair Heather Hogsett (State-NGA)
PSAC Vice Chair Tom Sorley (Local-USCM)

Subcommittee ?

Chair
Vice Chair
Members

State, Territorial, Tribal and Local Subcommittee

Chair Heather Hogsett (NGA)
Vice Chair Tom Sorley (USCM)
GHSAC ● IAEM ● ICMA ● NACo ● NARC
NASCIO ● NASTD ● NATOA ● NCAI
NCSWIC ● NCSL ● NEMA ● NLC

Working Group ?

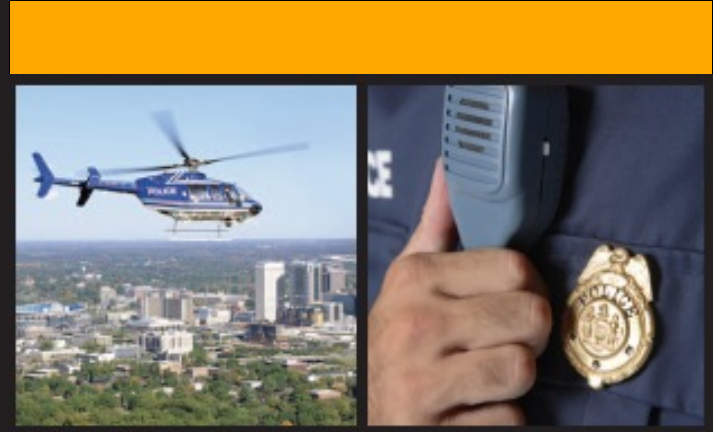
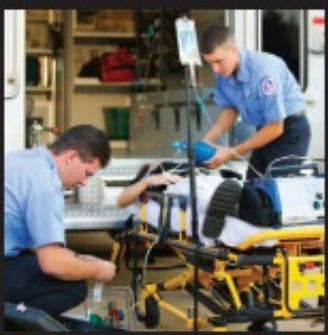
Chair
Vice Chair
Members

FirstNet Public Safety Advisory Committee – Membership List

1. AASHTO American Association of State Highway & Transportation Officials
2. APCO Association of Public-Safety Communications Officials-International
3. APWA American Public Works Association
4. FCCA Forestry Conservation Communications Association
5. GHSAC Governors Homeland Security Advisors Council
6. IAB Interagency Board
7. IACP International Association of Chiefs of Police
8. IAEM International Association of Emergency Managers
9. IAFC International Association of Fire Chiefs
10. ICMA International City/County Management Association
11. IMSA International Municipal Signal Association
12. MCC Major Cities (Police) Chiefs Association
13. MCSA Major County Sheriffs' Association
14. Metro Chiefs Metropolitan Fire Chiefs Association
15. NACO National Association of Counties
16. NAEMT National Association of Emergency Medical Technicians
17. NARC National Association of Regional Councils
18. NASCIO National Association of State Chief Information Officers
19. NASEMSO National Association of State EMS Officials
20. NASNA National Association of State 9-1-1 Administrators

FirstNet Public Safety Advisory Committee – Membership List

- | | |
|--------------|--|
| 21. NASTD | National Association of State Technology Directors |
| 22. NATOA | National Association of Telecommunications Officers & Advisors |
| 23. NCAI | National Congress of American Indians |
| 24. NCSWIC | National Council of Statewide Interoperability Coordinators |
| 25. NCJA | National Criminal Justice Association |
| 26. NCSL | National Council of State Legislatures |
| 27. NEMA | National Emergency Management Association |
| 28. NEMSMA | National EMS Management Association |
| 29. NENA | National Emergency Number Association |
| 30. NGA | National Governors Association |
| 31. NLC | National League of Cities |
| 32. NPSTC | National Public Safety Telecommunications Council |
| 33. NSA | National Sheriffs' Association |
| 34. SEARCH | National Consortium of Justice Information Statistics |
| 35. USCM | U.S. Conference of Mayors |
| 36. At Large | Charles Werner |
| 37. At Large | Steve Proctor |
| 38. At Large | Rory Neslund (Police Non-Management Responder) |
| 39. At Large | James N. Mann (Police Non-Management Responder) |
| 40. At Large | Mike Worrell (Fire Non-Management Responder) |



Cross Border and Social Media

Barry Luke



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Border Issues



- NPSTC is monitoring the Mexico band plan proposal, called the Asian Pacific Plan, and working with the State Department and the FCC
- NPSTC is working with CITIG on northern border communications. CITIG received a grant to fund six workshops.
- Industry Canada is studying the assignment of the “D” Block for public safety in Canada.
- Memorandum of Understanding on interoperability has been exchanged between the U.S. and Canada

Border Issues



- NPSTC attended the CANUS (Canadian-U.S.) interoperability meeting in Washington, DC in June
- Following up with the FCC on several issues:
 - Validate use of portable radios in 1952 Treaty
 - Validate roaming by public safety agencies across the border
 - Document best practices for cross border repeater sharing
 - Document best practices for cross border licensing
 - Promote use of Blue Channel along western border
 - Find similar I/O frequencies across the remaining border
 - Work with Industry Canada & CITIG on these issues

Social Media



- NPSTC Board will approved the launch of the Social Media Program in March 2013 at IWCE.
- You are now able to follow NPSTC issues on:
 - Web Site www.NPSTC.org
 - Twitter @NPSTC
 - Facebook National Public Safety Telecommunications
 - LinkedIn National Public Safety Telecommunications
 - Blog access from web page

Questions?

Comments ?