



Homeland Security
and Emergency Services

State Interoperable & Emergency Communication Board Meeting

June 8, 2016

Welcome and Opening Remarks

Kevin Wisely,
Deputy Commissioner of
Emergency Services
Acting Chair, SIEC Board



Roll Call and Approval of Minutes

Roll Call; Approval of the
Meeting Agenda;
Approval of Minutes from
February 3, 2016
Meeting



NG911 Working Group Update

Presented by

Brett B. Chellis,
Acting Director,
OIEC



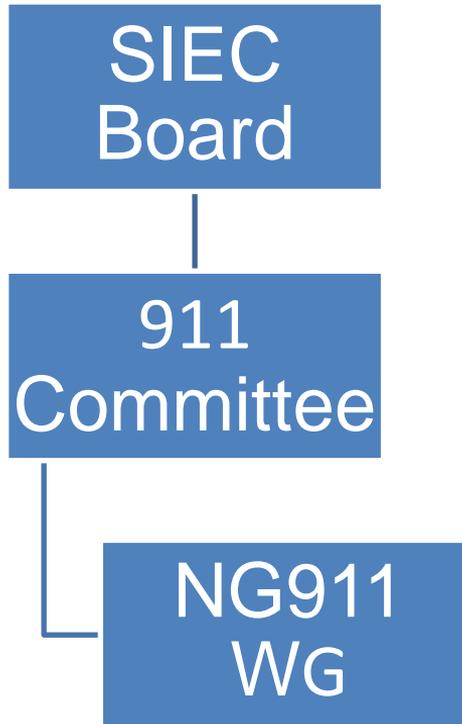
SIEC Board Action- Feb 3, 2016

At the request of OIEC, the Board authorized formation of a Next-Gen 911 Working Group

Purpose and objectives

- To provide a working group platform to develop a plan and timeline for the implementation of Next-Generation 911 technology and capabilities in PSAPs statewide.
- To bring together subject matter experts and stakeholders necessary to develop a roadmap first, followed by a plan of implementation.
- To utilize methods and a strategy to be sure 911 PSAP managers are the key stakeholders in plan development.

Organizational Flow Chart



Working Group Makeup

County PSAP Managers

New York City

DOITT

NYPD

State Agencies

OIEC

NYSP

Department of Public Service

ITS/GIS



New York City

- OIEC met 2/11/16 and 4/6/16 with DOITT
- OIEC met 2/12/16 with NYPD
- RFI process completed
- Process of developing RFP
- Timeline and framework for 2018-2021 implementation
- DPS is working with DOITT to answer questions on several implementation factors in regards to obligations and requirements of ILECS, CLECS, and VoIP Service Providers in order to facilitate the migration process.
- DPS is facilitating discussions with NYC based OSP/LECS



Feasibility Study

- SIEC Board has accepted an ESINet feasibility scope of work proposal authored by Director Mike Allen (Oswego County).
- A study will be conducted on the feasibility of an ESINet pilot in New York State.
- Division of Budget approval has been received.



NENA Class

NYS NENA Chapter President Dave Hopkins proposed the following class for the working group and other stakeholders:

“ what does that box do?:

Understanding NG911 Components

Dave is working on scheduling this class in the July-August timeframe.

Next Generation Strategic Plan Development

- Technical Assistance Request through Federal OEC
- Kickoff in the August timeframe
- Support for NG911 planning and facilitation
- Input on status of plan development and implementation in other states



Work in progress short term

- Developing structure, objectives, and governance for the working group.
- Conducting weekly or bi-weekly conference call meetings
- Developing NG911 PSAP Survey combining with ITS GIS survey needs and national data requests.
- Facilitating training and working meetings for plan development.



911 Committee Update

Presented by

Sheriff Joseph Gerace,
Chautauqua County



Homeland Security
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Public Safety Broadband Update (FirstNet)

Presented by

Matthew Delaney
Radio Engineer
DHSES/OIEC



FirstNet RFP

- FirstNet RFP proposals were due May 31st
- Unknown how many were submitted – not made public
- FirstNet’s review process now underway – very “locked down”
- FirstNet still indicating they are on track for a November award



Looking through 2016 in New York

- 2016 Consultation Task Teams
- Prepare for State Plan review
- Subject Matter Expert Survey
- Continued Outreach

2017

- State Plan draft
- State Plan formal deliverable
- Opt-In / Opt-Out / No Action
- Possible deployment of non-band 14 “FirstNet
Broadband”
- FirstNet’s winning bidder starts construction?

SME Survey



Subject Matter Expert (SME) Survey to support FirstNet in New York (DRAFT)

Questions for NPSBN Users

Please select the level of subject matter expertise you possess with respect to Mobile Data and use of new technology in each of the following categories.

	I do not have experience with this subject	I am familiar with this subject	I oversaw or actively participated in one or more project/effort	I am considered an expert or the "go to person" by my peers
Mobile data app <u>use</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mobile data app <u>administration</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mobile data app <u>development</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
"Early adopter" or promoter of new technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Operational planning and/or needs assessment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Encourage your
peers to complete
the SME survey



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Public Safety Wireless Broadband

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Signed into law by the President on February 22, 2012, the Middle Class Tax Relief and Job Creation Act created the First Responder Network Authority (FirstNet). The law gives FirstNet the mission to build, operate and maintain the first high-speed, nationwide wireless broadband network dedicated to public safety. FirstNet will provide a single interoperable platform for emergency and daily public safety data communications. In New York, this is coordinated by the State Division of Homeland Security and Emergency Services.

About FirstNet

The Network

What's Happening

NYS Public Safety Broadband
Thursday, March 17

Tuesday, February 23
9-1-1 Goes to Washington

Wednesday, February 24
9-1-1 Goes to Washington

Thursday, February 25
9-1-1 Goes to Washington

Friday, May 13
FirstNet's NPSBN Proposal Submission Deadline
Showing events until 11/15. [Look for more](#)

Events shown in time zone: Eastern Time [Google Calendar](#)

News

The FirstNet Request for Proposal: The Good, the Bad and the Ugly
Editorial by Andrew Seybold regarding the recently released NPSBN RFP.
02/04/2016

PSAC Task Teams on ICAM, Local Control Kick Off Work
Chief Harlin R. McEwen, Chairman, Public Safety Advisory Committee (PSAC), outlines key PSAC activities planned for 2016.
02/02/2016

Want to keep track of FirstNet's progress? Here are some key dates, milestones to remember
When is FirstNet going to be built and provide the kind of reliable broadband services that the public safety community has been seeking for the past decade? Here's

Tweets from FirstNet

<http://psbb.ny.gov/psbb/>



Public Safety Wireless Broadband

New York's Newsletter



Public Safety Wireless Broadband

Issue 2, December 2015

FirstNet Board Approves Release of Request for Proposals
FirstNet RFP is objectives-based and incorporates public safety's need for a nationwide broadband network.

The First Responder Network Authority (FirstNet) approved the Request for Proposals (RFP) to deploy the Nationwide Public Safety Broadband Network (NPSBN) and directed management to take all necessary actions to release the RFP in early January. The Board's approval advances FirstNet's Strategic Program Roadmap and moves FirstNet a step closer to establishing a public-private partnership to build, operate, and maintain the NPSBN.

This follows their review of more than 600 public responses on the previously issued Draft RFP and 40 responses to a proposed cybersecurity strategy, a topic that had not been addressed in the Draft RFP.

Key future NPSBN procurement milestones include bidder submittals due mid-2016, proposal evaluation and award by early 2017, and the presentation of state-specific Radio Access Networks (RANs) during 2017. Given this schedule, combined with the leveraging of existing infrastructure where it makes economic and engineering sense, it would be possible to see deployment of the NPSBN initiated in late 2017.

LTE Networks for Public Safety, the Influence on Standards, and 3GPP

Traditionally, dedicated public safety systems and commercial cellular networks have been treated as two separate technology silos for providing wide-area wireless communications.

The 3rd Generation Partnership Project (3GPP), a commercial undertaking, unites seven telecommunications standards development organizations (ARIB, ATIS, CCSA, ETSI, TSDS, TTA, TTC) and has provided their members with a stable environment in which to produce the reports and specifications that define 3GPP technologies. This standards process, along with unprecedented market demand, has enabled exponential growth in commercial cellular networks, equipment, and capabilities.

A strong standards-based approach will ensure interoperability between different vendors leading to a competitive equipment market.



FirstNet intends for the NPSBN to follow 3GPP standards and leverage the latest LTE innovations as they become available. Following commercial technical standards for public safety offers advantages such as interoperability, speed to market, economies of scale/economies of enhanced competition, and transparent technology evolution roadmaps. There is growing awareness within the 3GPP project of the need and value of adding standards to address public safety business and functionality. Work is underway in Release 12 of the 3GPP LTE standards that will enhance LTE to address public safety application requirements. With clear, established 3GPP public safety standards in place, user equipment and infrastructure manufacturers, application developers, and network operators can proceed with confidence and build for public safety what they have done so well for commercial applications. Maintaining a common 3GPP standard will allow public safety to continue to benefit from future commercial advancements.

For more information regarding public safety influence on 3GPP standards, click [HERE](#).

Ask Your SPOC
Bring Your Own Device

Q: Understanding that I will not get going, what devices will be able to use on the NPSBN?
A: Registered public-safety-grade devices such as smartphones, tablets, dongles, and a wide variety of specialty devices are being developed for FirstNet users. With FirstNet's accelerated interpretation, manufacturers will want to build both robust and public safety devices with commercial LTE and Band 14 capabilities. This benefits both commercial and public safety users through consumers' economies of scale and support ecosystem of advanced communication capabilities. The availability of lower cost devices should enable individuals, such as volunteer firefighters, to purchase their own devices for operation on the NPSBN.

FirstNet recognizes that the public safety user community will demand support for personal devices on the nationwide public safety broadband network (NPSBN) and is taking steps to develop and implement an effective BYOD policy. To read more about BYOD to the NPSBN, click [HERE](#).

If you have a question for New York's SPOC, please contact Robert Barabak via email: ROBERT.BARABAK@psbb.ny.gov

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Homeland Security and Emergency Services

Questions?

- Reminder: NYS's PSBB website <http://psbb.ny.gov>

New Business

Base Station Interoperability Channel
Guidelines – New Resolution

Presented by

Brett B. Chellis
Acting Director
DHSES/OIEC

Matthew Delaney,
Radio Engineer,
DHSES/OIEC



Proposed Guideline

- **Interoperability BASE stations**
 - Needed to address both CALLing channels and the TAC channels
 - Drafted a guideline and held conference calls with the Channel Naming and Usage Working Group to make modifications



Proposed Guideline on Base Stations

- Repeaters **MUST** be disabled when not in use. **Everyone is sharing the same set of frequencies.** Multiple uncoordinated repeaters = chaos
- Repeater activation process – The State of Connecticut hosts an email reflector for Regions 1 and 2 interoperability channel activations
 - OIEC can provide you with the sign-up process
- What side to listen to (U/7/8), direct (talk around) or repeater input? Or Both?
 - The direct version would be the State standard, with strong recommendation to also monitor the input
- Repeater enable/disable process
- Repeater ID (CWID) when active – repeaters left on will be easy to identify.
- Line-A issues
- Also addresses base stations for common New York State Channels, including NYLAW1 and NYMED715.



Lifeline – Hailing/Calling/Staging

- Use the national interoperability calling channels (e.g. VCALL10, UCALL40, 8CALL90) for hailing/calling/staging purposes. Available to responders on non-incident basis (e.g. out of area transports) and on incidents (big and small) with incoming resources.
- On scene traffic moves to TAC channels. (VTAC, UTAC, 7TAC, 8TAC)
 - Repeaters on TAC channels would be permitted
- Base station guidelines need to reflect the proposed Lifeline approach to the calling channels – regardless of agency or funding source – to ensure it works the same everywhere.
- Specific grant funding (targeted) to address implementation or modification
- Dispatch center monitoring of the calling channels – if nobody is listening....



Base Station Guideline – Next Steps

- Request the Board recommend that OIEC publish this guideline

Closing Remarks and Adjournment

Presented by

Kevin Wisely,
Deputy Commissioner of
Emergency Services
Acting Chair, SIEC Board

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Acting Director
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