Single Point Of Contact (SPOC) Quarterly Webinar

October 1, 2014
## Agenda

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<td>Kristi Wilde, Outreach Coordinator</td>
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<td>Organization &amp; CTO Updates</td>
<td>TJ Kennedy, Acting General Manager</td>
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<td>State Consultation Update</td>
<td>Dave Buchanan, Director of State Consultation Jackie Mines, Director of the Emergency Communication Networks Division, Minnesota</td>
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<td>Outreach Update</td>
<td>Jeremy Zollo, Chief, State &amp; Local Outreach Branch</td>
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<td>Open Forum</td>
<td>TJ Kennedy, Team</td>
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<td>Plan for 2015 Webinars, Wrap</td>
<td>Kristi Wilde</td>
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5 New Board Members Appointed

- **Annise D. Parker** — *Mayor, City of Houston*
- **James H. Douglas** — *Former Governor, Vermont*
- **Chief Chris Burbank** — *Chief, Salt Lake City Police Department*
- **Richard W. Stanek** — *Sheriff, Hennepin County, Minnesota*
- **Frank Plastina** — *Technology Executive*
New Hire Highlights

- Justin Shore – Government Affairs
- Thomas Shull – Government Affairs
- Chris Algiere – Outreach (Federal)
- Josh Ederheimer – Detail (Law Enforcement Advisor)
...We want to make rapid progress for public safety, while balancing the need for robust design and cost-effectiveness. At this time, we believe the following milestones, over approximately the next year, should serve as appropriate checkpoints to ensure that we are on track within our roadmap to reach our goals:

- Initiate public notice and comment on certain program procedures, policies, and statutory interpretations;
- Release draft request for comprehensive network proposals for offeror comments;
- Release draft requests for certain network equipment and services proposals for offeror comments; and
- Begin formal state consultations.

As we travel along our program roadmap, we may determine that some of our assumptions are flawed, and change course accordingly. We may change the order of, or the actual roadmap milestones themselves as a result. Nevertheless, we believe we have charted a course to prove out a successful FirstNet for public safety....
RFI, SOO and Public Notice

- Request for Information (RFI) with a draft Statement of Objectives (SOO)
  - Location: FirstNet website and [www.fbo.gov](http://www.fbo.gov)
  - Comments Deadline: Friday, October 17th
  - Responses are procurement-sensitive and will be kept confidential

- Public Notice and Comment
  - Location: FirstNet website and [www.federalregister.gov](http://www.federalregister.gov)
  - Comments Deadline: Friday, October 24th

- FAQs available on the FirstNet.gov Resources Page
What is the purpose of the RFI?

- Provide interested parties with greater visibility into FirstNet’s proposed direction for network deployment

- Helps FirstNet gather information to:
  - Better understand industry's capabilities
  - Shape the comprehensive network solution acquisition strategy
  - Establish the direction for industry day
  - Inform the Statement of Objectives (SOO) and Requests for Proposals (RFP)
  - Surface questions and answers that FirstNet has not asked or considered

<table>
<thead>
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<th>FY 2014</th>
<th>FY 2015</th>
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<tr>
<td>Q4</td>
<td>Q2</td>
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<tr>
<td>RFI Issued</td>
<td>Draft RFP Issued</td>
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<td>Review RFI Responses</td>
<td>Industry Day</td>
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<td></td>
<td>Final RFP Issued</td>
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What is the purpose of the SOO?

- The Statement of Objectives (SOO)
  - Outlines a performance-based acquisition approach
  - Presents a set of objectives in order to encourage innovative solutions to meet public safety needs
  - Counts on marketplace collaboration to ensure best outcomes for states, territories and tribal lands

- FirstNet *Does Not*:
  - Dictate a specific technical or network solution – other than a few essential parameters
  - Specify required partnerships, alliances, or joint ventures within the vendor community
Why Do Notice and Comment?

- Notice is an opportunity to receive input on unclear provisions of the law
- Comments will provide critical inputs into the draft RFP and will shape the economic and technical aspects of the procurement
- Allows a broad audience, including public safety entities, to provide feedback in the *Federal Register* notice process
This is Just a First Step

- The Notice proposes FirstNet’s overall legal authority (outer boundary), but it does not mean that FirstNet will use all of its authority
- Notice contains *preliminary* interpretations
- FirstNet needs to maintain flexibility at this stage of program and refine our approach as we progress
- FirstNet will develop more detailed policies that will refine how we will operate within outer boundary

*As an example:* The Act may give FirstNet authority to serve a broad group of customers, but FirstNet may develop a policy to narrow the types of customers served to preserve network capacity for public safety
This Notice covers the following topics:

- Network elements, including “Core” and “RAN”
- Network users, including “public safety entities,” “secondary users” and other network users
- Permitted services
- RFP standards for “open, transparent, competitive” process
- Definition of “rural” and substantial rural coverage milestones
- Existing infrastructure sharing
- Fees, including covered leasing fees

The major issues related to state opt-in/opt-out process are not included in this Notice, but the issues may be addressed in a future notice and comment process
How the Pieces Fit Together

Needs & Design Topics
- Specific local, state, tribal, PSAC & federal Consultations

Technical & Economic Topics
- RFI
- Draft RFP
- Comprehensive RFP Release

Legal Interpretation Topics
- Notice and Comment Process
- Final Interpretations
- Optional Notice and Comment Processes
- Network Policies

RFP Processes
- Consultative Processes

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Questions/Open Discussion
Major Accomplishments

- **RFP Market Research**
  Meetings with suppliers in order to understand their capabilities to support the FirstNet mission and, research the feasibility of implementing public safety requirements within an LTE network

- **Analysis Of Alternatives for RFP**
  Document and analyze all possible alternative network implementation models and rate the different models against a common set of service and financial criteria

- **RFI/SOO for RFP**
  Support the development of the RFI and SOO

- **Resourcing**
  All required resources for the development of the comprehensive solution RFP have been planned in FY15 proposed budget

Focus for the Future

- **Market Research Report**
- **Evaluation of RFI/SOO Responses**
- **Operational and System Architecture**
- **Use Case Development**
- **RAN/Core Interface Specification**
- **Support the Development of the Draft and Final RFPs**
What is working?
- Priority pre-emption of bearers (individual data channels in LTE)
- Basic QoS configuration and implementation
- Basic admission control (which device gets access)
- Basic packet scheduling (efficient use of data stream)

What is under investigation?
- Pre-emption triggers in overload condition
- Impacts of QoS features to cell capacity and performance

What needs further development by the vendors?
- Establishment cause support (ensuring pre-emption configuration from initial connection)
- Multi-media priority services
- SIP priority

Basic QoS/Priority/Pre-emption features are working
PSCR will share test plan and encourage parallel testing with vendors
Advance features need development (Multimedia Priority Services, Establishment Cause support)
Public Safety Grade Systems and Facilities

- A comprehensive set of 459 network implementation (hardening) requirements and recommendations endorsed by the PSAC for public safety grade services. The report allows FirstNet the flexibility to define the actual specifications and the measurement process.

- While many of the requirements and recommendations are relatively easy to implement, some will be challenging or expensive for network partners to accept.

- **Work with PSAC** on a process for implementing the public safety grade requirements and recommendations that are economically and practically feasible
  - Develop a phased implementation schedule for the public safety grade recommendations that are not cost prohibitive

- In the mean time, FirstNet and PSAC teams will address the most challenging and expensive requirements and recommendations by **making appropriate network design choices that would mitigate risks**
**Public Safety LTE Deployments**

**FirstNet Guiding Principle**

FirstNet will provide technical support to these projects and will share any lessons learned with the broader public safety community to inform FirstNet’s nationwide deployment.

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<tr>
<th>Project</th>
<th>SMLA</th>
<th>KLCP</th>
<th>Sites</th>
<th>Primary Focus Area(s)/Key Learnings</th>
<th>On-Air</th>
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<tbody>
<tr>
<td>1. LA-RICS</td>
<td>Yes</td>
<td>Yes</td>
<td>231</td>
<td>Secondary responders, Quality of Service, priority/pre-emption</td>
<td>2Q15</td>
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<tr>
<td>2. NM</td>
<td>Yes</td>
<td>Yes</td>
<td>9</td>
<td>Hosted core, int’l border spectrum management, federal partnerships</td>
<td>2Q15</td>
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<tr>
<td>3. NJ</td>
<td>Yes</td>
<td>Yes</td>
<td>31</td>
<td>Deployable assets, DR/COOP, training exercises, NOC notification</td>
<td>2Q15</td>
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<tr>
<td>4. ADCOM</td>
<td>Yes</td>
<td>In-Progress</td>
<td>17</td>
<td>PSCR/FirstNet test support, BC 14 device testing, demonstration access</td>
<td>Now</td>
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<tr>
<td>5. TX</td>
<td>Yes</td>
<td>In-Progress</td>
<td>13</td>
<td>Core migration, user data analytics, use cases</td>
<td>Now</td>
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SMLA: Spectrum Manager Lease Agreement  
KLCP: Key Learning Conditions Plan

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Questions/Open Discussion
State Consultation

Dave Buchanan, Director
State Consultation
Tracker – State Consultation Activities
As of September 26, 2014

LEGEND

1) Received Initial Consultation Package from FirstNet
2) Pre-consultation conference call scheduled or closed
3) Initial Consultation Checklist returned to FirstNet
4) Initial Consultation meeting held with FirstNet
5) Remaining Initial Consultation meetings scheduled in 2014

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Updated Consultation Approach

**Preparation**
- RFI
- RFI/RFP Public Comments

**FirstNet Acquisition**
- RFP Development
- RFP Evaluation
- RFP Results

**Consultation**
- Prep Workshops (OEC, Regional, State/Local)
- Users / Coverage / Outreach
- Review State Results & Priorities
- Draft Plan
- Final State Plan
- Network Implementation

**Stakeholder Input**
- PSAC / FCC Inputs
- Operations (Provisioning, Training, Priority, Hardening, Security)

**Outreach / Education**
Consultation is under way

As we begin the consultation process, FirstNet is committed to:

• Maintain a close working relationship
• Understand unique needs
• Seek input from all stakeholders
• Gather and utilize State data
What we learned in Minnesota

Communication at Events
- I-35 Bridge collapse, Red River floods, Ramsey County fugitive, Duluth Port security, Pagami Creek wildfire, Stearns County paper mill fire

Users
- Minnesota has begun user surveys in 10 counties

Coverage
- Minnesota has begun coverage assessment process
  - CAD and Incident data is key

Outreach
- Minnesota is using regional workgroups to reach out to public safety stakeholders
  - 11 tribes in MN – additional outreach
Questions/Open Discussion
Outreach Update

Recently Hired Key Positions
- Federal Outreach Branch Chief – Chris Algiere

Regional Positions
- Regions 5, 9 & 10 (Closes October 6th)
- Regions 2, 4, & 6
- Regions 1, 3, 7 & 8

Refining Outreach Strategy
- Coordinating outreach between all branches State, Local, Tribal, and Federal
- Identifying Customer Relationship Management (CRM) tool
- Enhancing outreach tools and products
FirstNet Engagement since October 2013

130 Events – 39 States Visited

States Visited:
- Alaska
- Hawaii
- Guam
- CNMI
- American Samoa
- Puerto Rico
- Virgin Islands
SLIGP Recipient Education and Outreach (as of June 2014)

70,856
Education and outreach materials developed since July 2013, including:

- Websites and social media pages
- Workshops and conferences
- Newsletters and emails
- Presentations and speaking materials

Recipients Actively Engaging Stakeholders 93%

29,459 Stakeholders Engaged

46 Recipients have held
730 Governance meetings

Note: Numbers were compiled from draft and final performance progress reports submitted by recipients as of 9/2/14.
New to the FirstNet Toolbox

- Videos
- Flickr photos.
  - If you want us to post your photos, please send them to: Kyle.Richardson@firstnet.gov
FirstNet Communications Update – Increased Delivery of Information

- Posting 3-5 blogs per week on FirstNet.gov website
- FirstNet.gov has nearly 170,000 page views, averaging more than 7,500 views per month since initial launch in March
- @FirstNetGov on Twitter has gained more than 750 followers
- FirstNet’s LinkedIn page has gained 179 followers since launch and is averaging 53 new followers per month
Questions/Open Discussion
Coming Events

- Check FirstNet.gov for the December 2014 Board Meeting Announcement

- SPOC Meetings: Schedule progression goals
  - Quarterly webinars approximately 2 weeks following FirstNet Board meetings.
  - Recurring regional calls follow 1-2 weeks after each quarterly webinar

  • Email feedback to kristi.wilde@firstnet.gov
Thank You