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# Single Point Of Contact (SPOC) Quarterly Webinar



October 1, 2014

# Agenda



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



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# Management Update

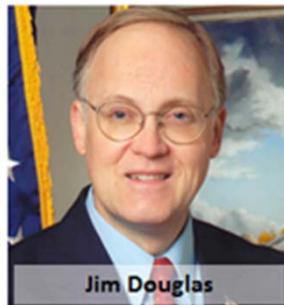


**TJ Kennedy, Acting General Manager**

# 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 Algieri – Outreach (Federal)
- Josh Ederheimer – Detail (Law Enforcement Advisor)

# March 2014 Roadmap Summary



We are Here

...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 17<sup>th</sup>
  - 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 24<sup>th</sup>
  
- 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



# 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



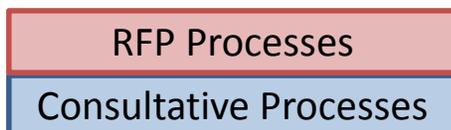
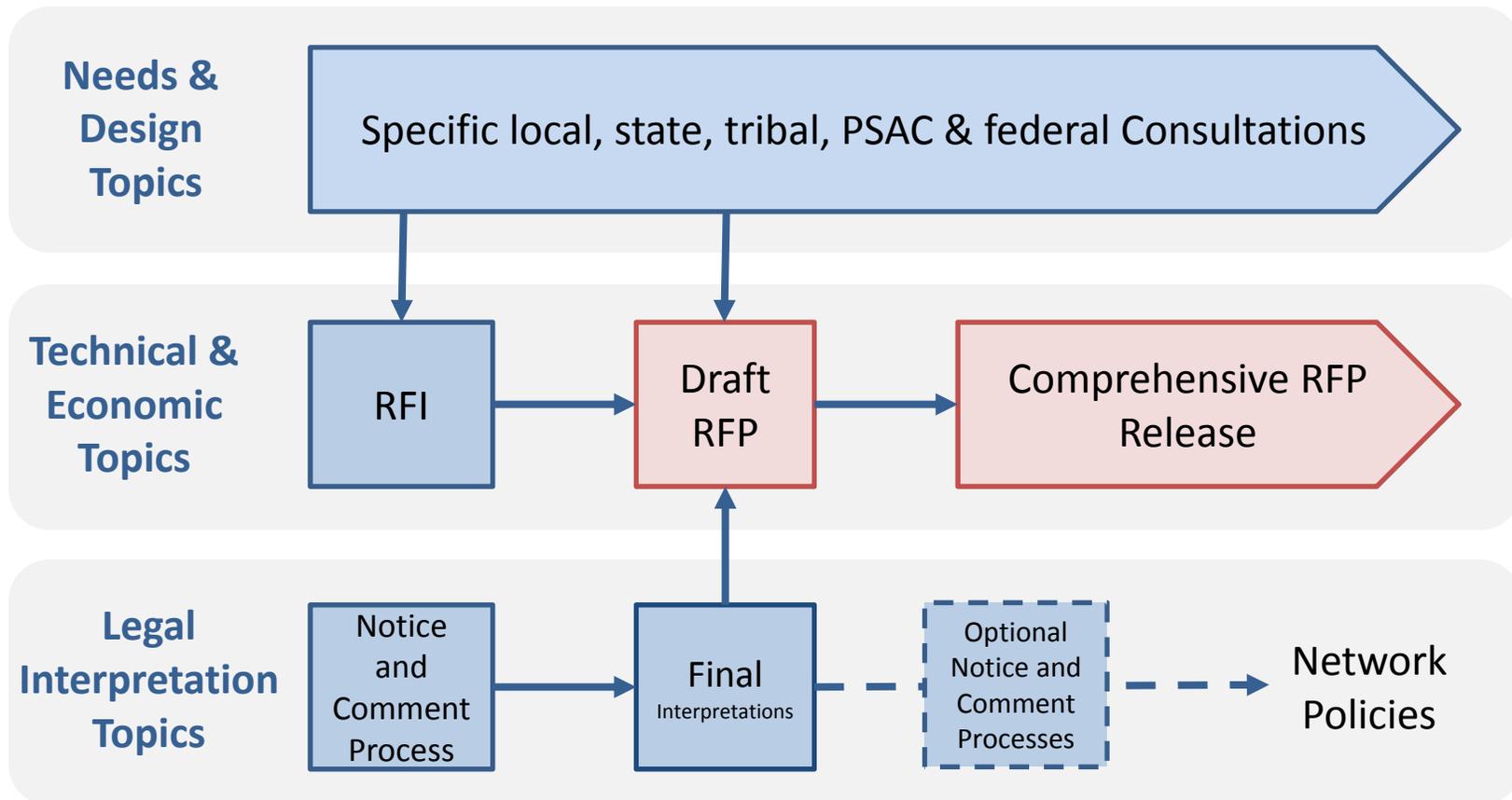
*As an example: The Act may give FirstNet authority to serve a broad group of customers, but FirstNet may develop a policy to narrow the types of customers served to preserve network capacity for public safety*

# Initial Topics Overview



- 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





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# Questions/Open Discussion



# CTO Update



**TJ Kennedy, Acting General Manager**

# CTO Contribution to Comprehensive Network RFP



## 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**

# PSCR QoS/Priority/Pre-Emption Testing Update



## Quality of Service (QoS)/Priority/Pre-Emption Features

### 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

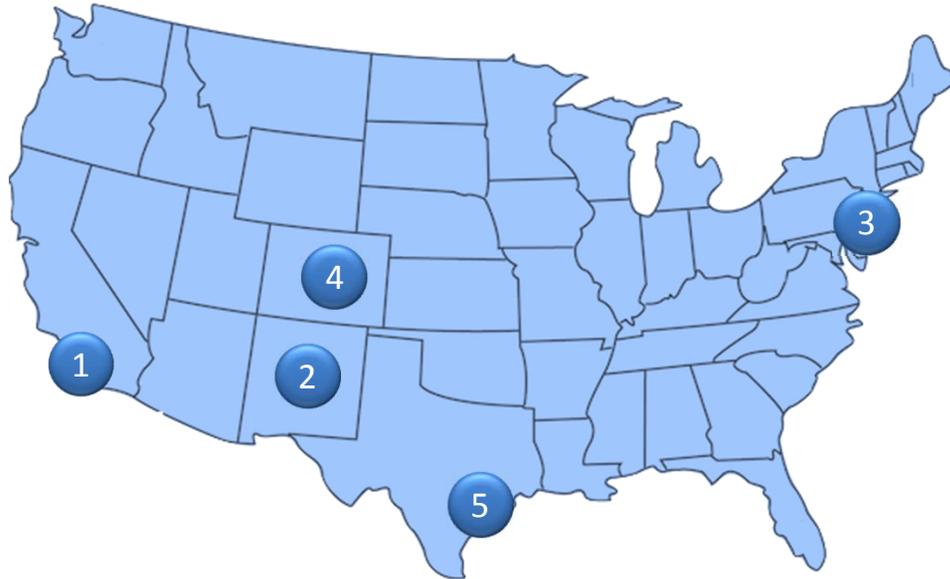
- *Basic QoS/Priority/Pre-emption features are working*
- *PSCR will share test plan and encourage parallel testing with vendors*
- *Advance features need development (Multimedia Priority Services, Establishment Cause support)*

# 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*

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

SMLA: Spectrum Manager Lease Agreement  
 KLCP: Key Learning Conditions Plan



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# Questions/Open Discussion



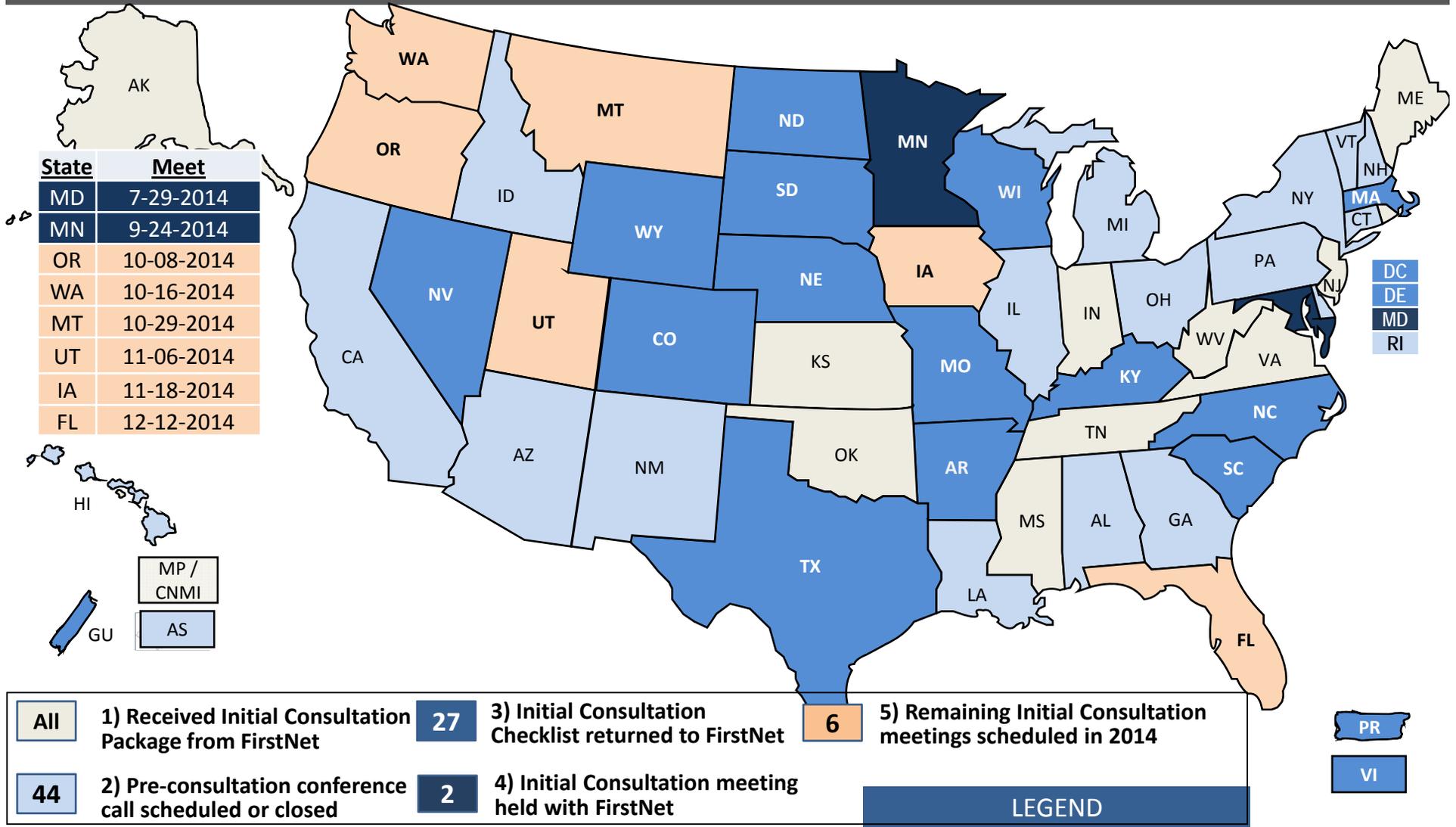
# State Consultation



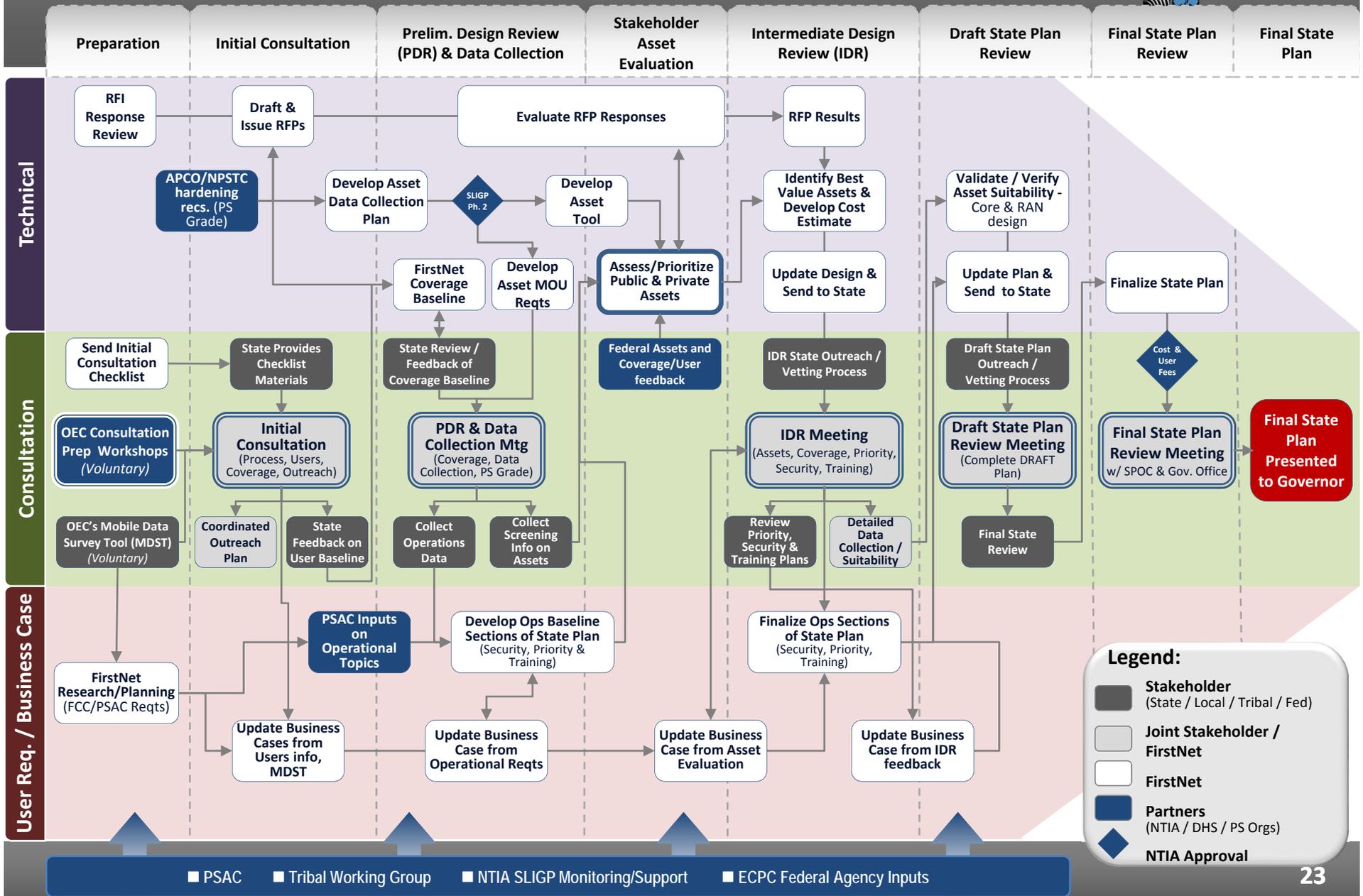
**Dave Buchanan**, Director  
State Consultation

# Tracker – State Consultation Activities

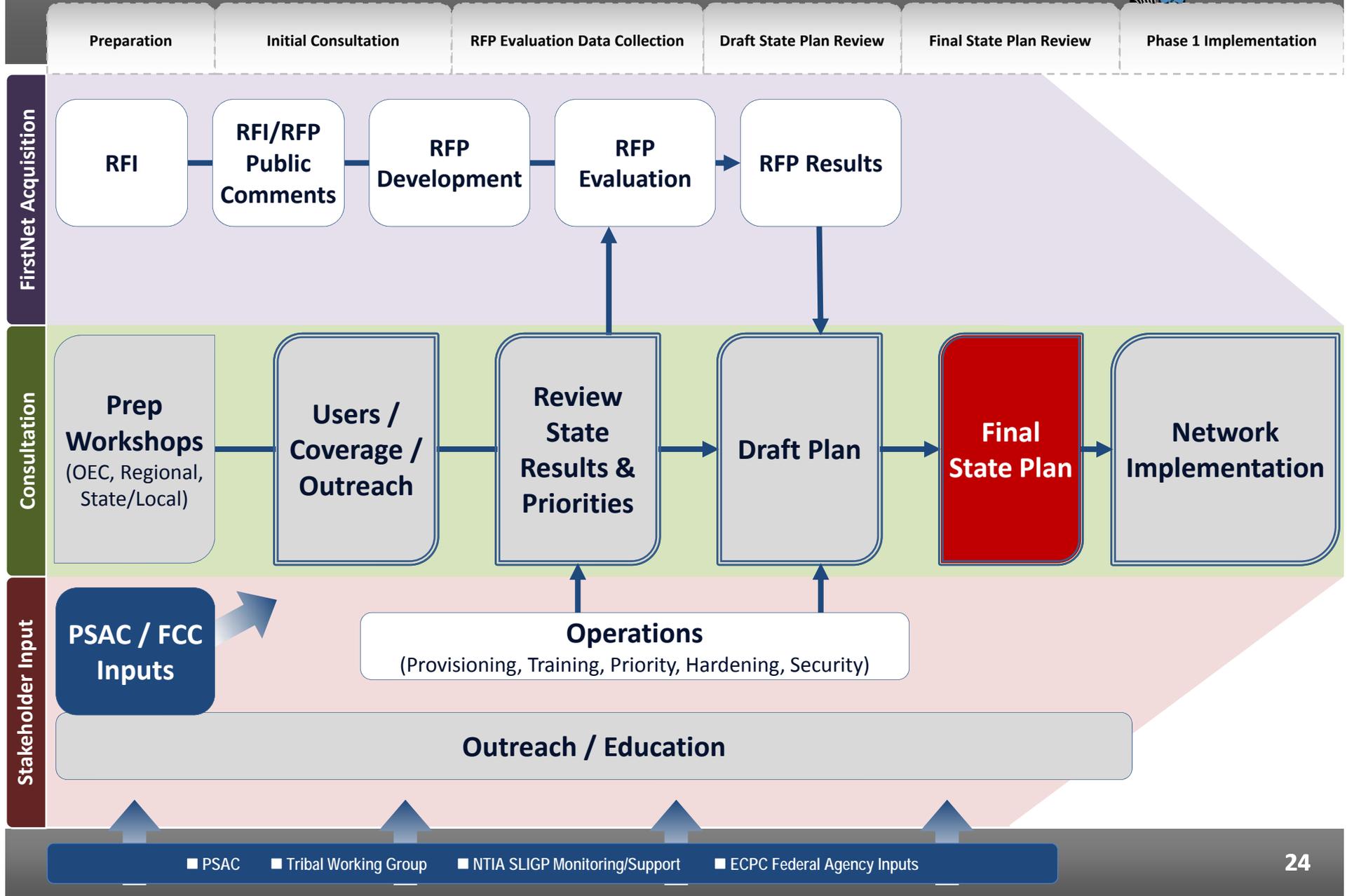
## As of September 26, 2014



# Consultation Overview



# Updated Consultation Approach



# 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

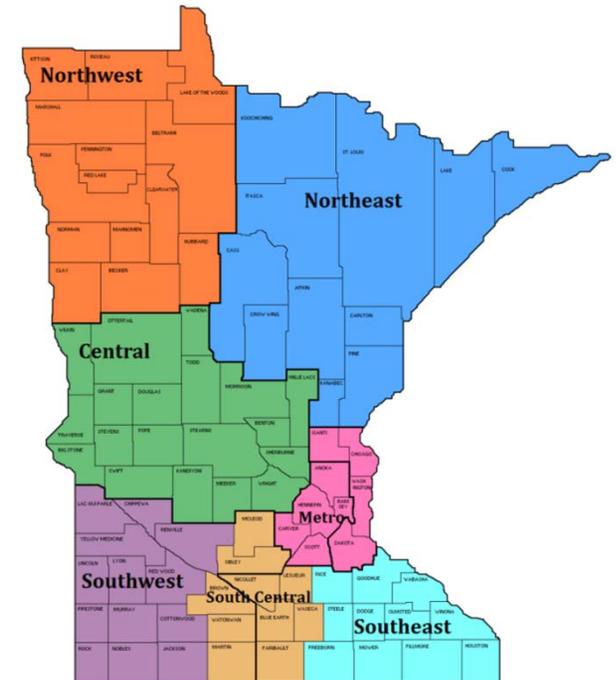
Minnesota has begun coverage assessment process

- 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





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# Questions/Open Discussion



# Outreach



**Jeremy Zollo**, Chief  
State and Local Outreach Branch

## Recently Hired Key Positions

- Federal Outreach Branch Chief – Chris Algieri

## Regional Positions

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

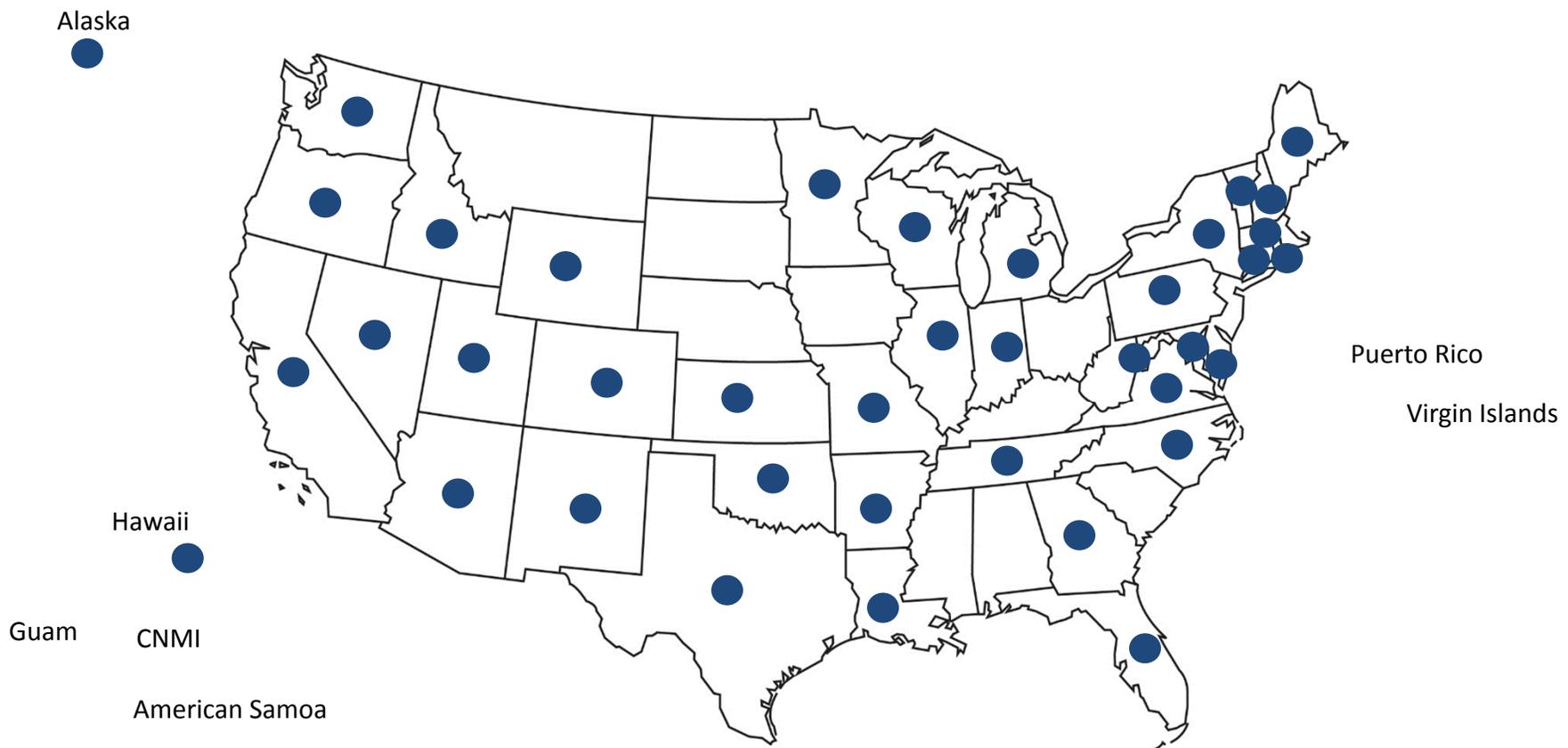
## Refining Outreach Strategy

- 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



# 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



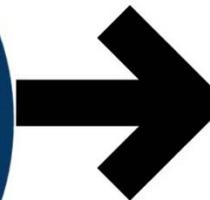
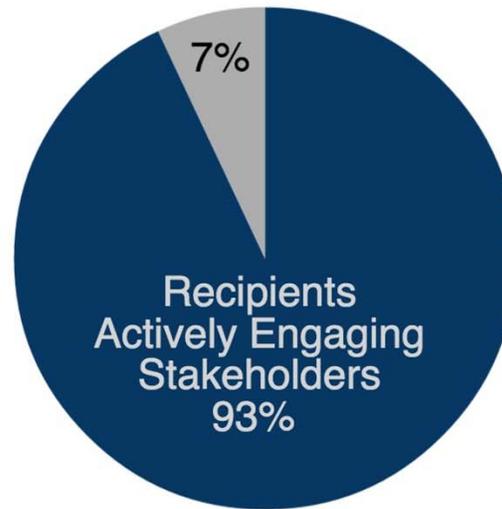
Workshops and conferences



Newsletters and emails



Presentations and speaking materials



**29,459**

Stakeholders Engaged

**46**

Recipients  
have held

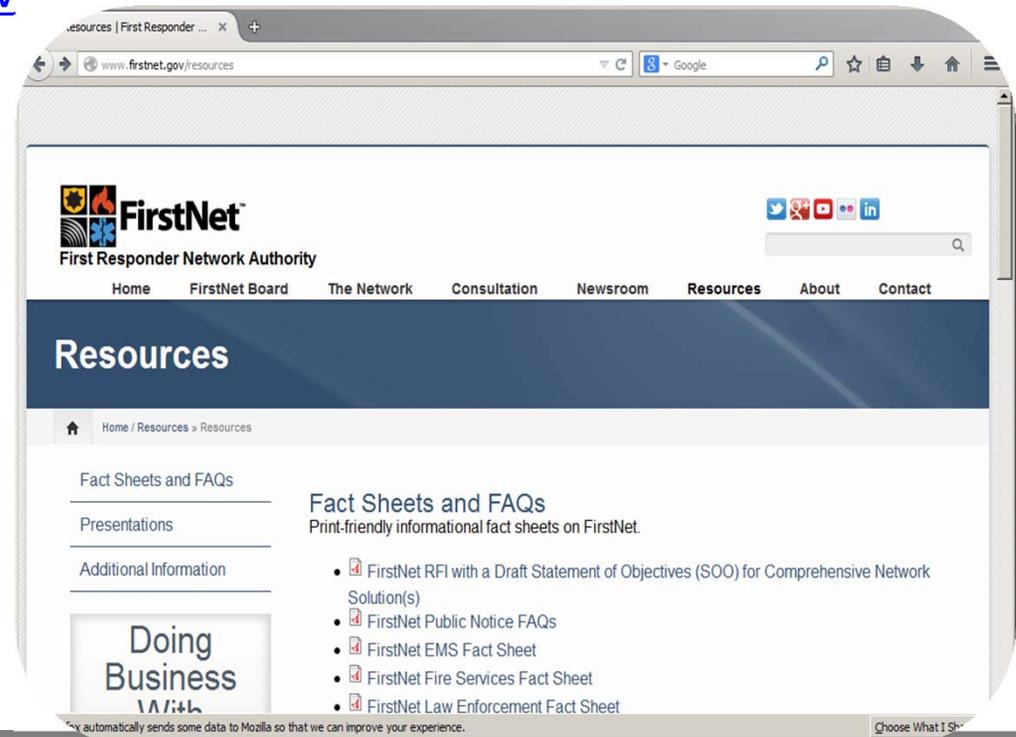
**730**

Governance  
meetings

# New to the FirstNet Toolbox



- Videos
- Flickr photos.
  - If you want us to post your photos, please send them to:  
[Kyle.Richardson@firstnet.gov](mailto:Kyle.Richardson@firstnet.gov)



# FirstNet Communications Update – Increased Delivery of Information



FirstNet.gov has nearly  
170,000 page views,  
averaging more than 7,500  
views per month since  
initial launch in March

Posting 3-5 blogs  
per week on  
FirstNet.gov website

@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





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# 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](mailto:kristi.wilde@firstnet.gov)

# Thank You



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