



**FirstNet**®



# Montana Governance Body Meeting

*Working together to bring broadband to Public Safety Entities*

**June 9, 2016  
Helena, Montana**

# Agenda & Goals



Topic	Goal
<b>FirstNet Overview</b>	<i>FirstNet will listen and learn</i>
<b>Montana Consultation to Date</b>	<i>Recap and consider continued data collection (optional)</i>
<b>FirstNet State Plan</b>	<i>Identify potential issues and set expectations for Montana review process</i>
<b>The Governor's Decision</b>	<i>Discuss process, timeline, and risks</i>
<b>Preparing for Adoption</b>	<i>Overview of Consultation Task Teams (CTTs)</i>
<b>Questions</b>	<i>Answer questions and begin preparing for Executive Consultation</i>

# By the End of the Meeting, We Will Ask You to...



- **Carefully consider the responsibilities, risks and timelines associated with the Governor's decision**
- **Consider and establish a clear decision-making process to meet 90-day review period**
- **Consider how to educate individuals/bodies who will inform the Governor**
  - Formal Executive Consultation – Fall 2016
  - Ad Hoc executive briefings (as requested)

# A New Model for Public Safety



***“Following numerous major events and other significant disasters that demonstrate communications failures, we know that a new model is necessary.... Required is a national architecture for public-safety wireless communications.”***

***Chief Jeff Johnson - Congressional Testimony, May 2011***

- Network **demand**ed by public **safety** for priority and interoperability
- Made possible by the successful fight for **D-Block 700 MHz** spectrum
- **FirstNet** created by Law to develop and implement a single nationwide public safety broadband network
- Network will be **public/private partnership** to limit agency risk, speed deployment and meet public safety unique needs

# First Responder Communications



*Non-Mission Critical*

**The Current State**

*Mission Critical*

## Commercial LTE Service / Devices



**Data**

**Voice**

## Land Mobile Radio (LMR) for Public Safety



**Voice**

# First Responder Communications



Non-Mission Critical

The Near-Term Vision

Mission Critical

***FirstNet will ensure that emergency responders are provided with the first nationwide, high-speed, wireless broadband network dedicated to public safety***



FirstNet<sup>®</sup> LTE Service / Devices



Data

Voice

Land Mobile Radio (LMR) for Public Safety



Voice

# Compelling Value to Public Safety



***“FirstNet must provide a service that is compelling to public safety in order to earn your business.”***

***FirstNet Chairwoman Sue Swenson***

- FirstNet will be a new nationwide **LTE cellular service provider**
- Agencies will pay **monthly use fees** consistent with current commercial model
- Provide **mission critical service** with priority & ruthless preemption
- Support **mobile devices** including air cards, smartphones and tablets
- Support **existing & new applications** (CAD/RMS, Video, etc.)



***“While we still have much work to do, FirstNet has set the stage by moving forward with urgency. We are now one deployment cycle away from having a nationwide public safety broadband network.”***

***FirstNet President TJ Kennedy***

- **Key Accomplishments**
  - ✓ Released Strategic Program Roadmap
  - ✓ Completed 55 Initial Consultations
  - ✓ Participated in more than 340 stakeholder events in calendar year 2015
  - ✓ Released RFP; answered more than 400 questions
- **Key Upcoming Milestones**
  - Conduct focused consultation with expanded outreach
  - Award RFP for network partnership
  - Architect State Plans process and elements

# RFP Statement of Objectives



**Building, Deployment, Operation & Maintenance of the NPSBN**



**Financial Sustainability**



**First Responder User Adoption**



**Device Ecosystem**



**Applications Ecosystem**



**Accelerated Speed to Market**



**User Service Availability**



**Service Capacity**



**Cyber Security**



**Priority Services**



**Integration Of Opt-out State RANs**



**Integration of Existing Commercial/ Federal/ Tribal/State/ Local Infrastructure To Support NPSBN Services**



**Life-cycle Innovation**



**Program and Business Management**

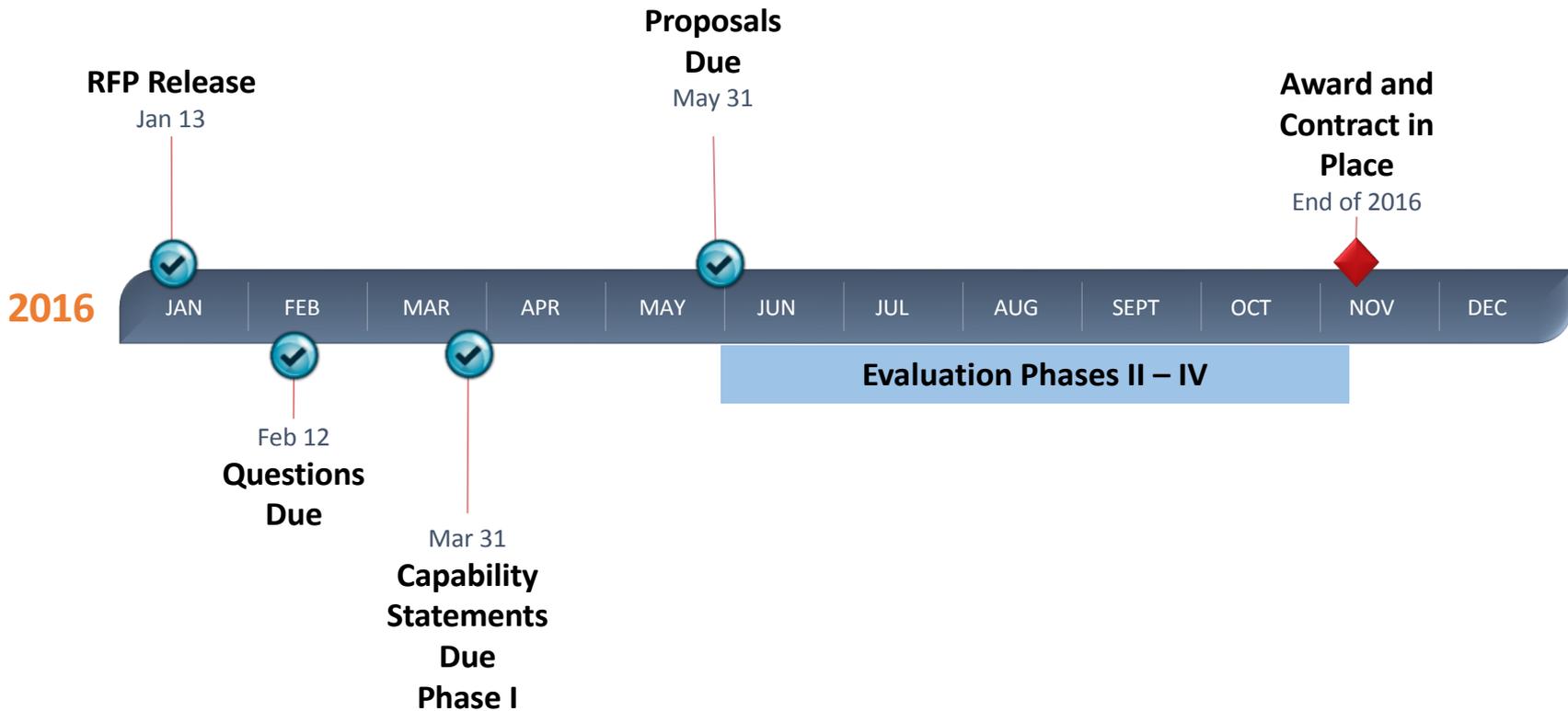


**Customer Care and Marketing**



**Facilitation of FirstNet's Compliance With The Act & Other Laws**

# Evaluation Phase Has Kicked Off



# Recap of Montana Consultation to Date



## **1. Montana Initial Consultation Meeting**

- October 29, 2014 in Helena, Montana
- > 45 attendees

## **2. Additional Montana Specific Meetings/Communications**

- Montana State Fire Chiefs Association, Ennis (June 2015)
- Montana Telecommunications Association Annual Meeting, Missoula (August 2015)
- Data Collection Call (October 2015)
- SPOC Kickoff Meeting (January 2016)
- Montana Indian Nations Working Group, Polson (March 2016)

# Montana Submission Summary



# 85

Agency Surveys

11,600+ Nationwide

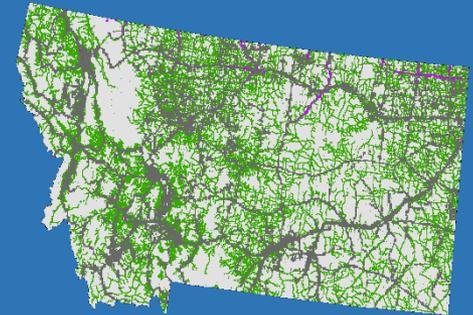
2a. Objective: Identify the basic demographics of each public safety entity (PSE)	
Public Safety Entity (PSE) Name	Agency or Organization Name
Department	Enter only if response applies to a specific department within the PSE
Discipline	
Type	Local   County   State   Tribal   Federal   Other
Street Address	
City	
State	
Zip Code	
# of Employees	Estimate of total # of employees
# of Full Time Employees	Estimate of total # of full time employees
# of Part Time Employees	Estimate of total # of part time employees
# of Volunteers	Estimate of total # of volunteers
# of Technicians for Operations	Estimate of total # of technicians responsible for operational/technical tasks
POC	POC for Public Safety Entity
Phone Number	Phone number for Public Safety Entity
Email Address	Email address for Public Safety Entity
Comments	Provide any comments to supplement the above answers
Date	Date of review of data

# 178 MB

Submitted

15.1 GB Nationwide

# 163 MB



Coverage  
objective  
Phasing file



# 2,900+

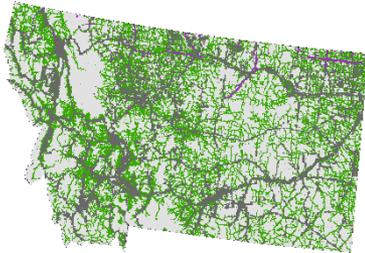
State Public Safety Personnel Represented

1.6 Million Nationwide

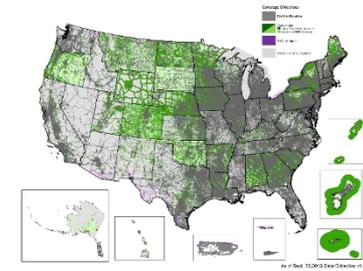
# How Was State Data Used in the RFP?



## Coverage Objectives



Nationwide Objective

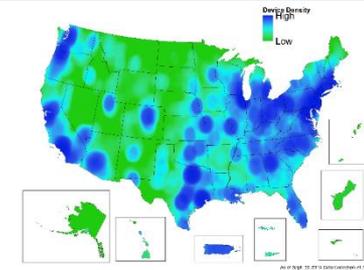


## User Survey Data

User, device and tonnage estimates informed capacity evaluation and total addressable market

2c. Objective: Estimate the total number of eligible Public Safety Entities, associated personnel and devices within the State/Territory. Use surveys, interviews and samples to help estimate the totals.

Discipline Examples	Surveyed Data (Sampling)			Estimated Totals		
	Agencies/Personnel/Devices	Agencies/Personnel/Devices	Devices	Agencies/Personnel/Devices	Agencies/Personnel/Devices	Devices
Law Enforcement (Police, Sheriff, State Police, Sheriff, Highway Patrol)	250	25,000	25,000	2,000	80,000	80,000
Fire Service	150	3,000	800	0.8	800	48,000
Emergency Medical Services	50	800	750	1.8	800	20,000
Courts, Corrections and Security				No Entry		
Emergency Management				No Entry		
Firearms and Law Enforcement				No Entry		
Airports and DOT				No Entry		
Hospitals and Medical Facilities				No Entry		
National Security/Intelligence				No Entry		
Public Administration and Support Services				No Entry		
Public Health				No Entry		
Public Safety Communications				No Entry		
Public Utilities (Electricity, Gas, Water, Telecom and Sewer)				No Entry		
Specialized Law Enforcement (Investigative, Intelligence, Organized Protection, etc.)				No Entry		
Transportation Operations (Air, Pipeline, Rail, Sea and Spaceport)				No Entry		
Other Governmental Agencies				No Entry		
Other Non-Specified				No Entry		
<b>TOTAL</b>	<b>400</b>	<b>26,500</b>	<b>31,500</b>	<b>2.6</b>	<b>2,100</b>	<b>180,000</b>



## Submission Files

RFP Reading Room





## Pre-Acquisition Data Collection

(Due September 30, 2015)

- **Strongly Encouraged by FirstNet**
- **Informed RFP** (*Aggregated Nationwide and Full Submission in Reading Room*)
- **Considered in evaluation of bidders**
- **Helps State better understand its needs and environment**

## Ongoing Data Collection (Optional)

(Due September 30, 2016)

- **Optional / State Decision**
- **Further Inform State Plan** (*If received by September 30, 2016*)
- **Considered for product and enhancement decisions**
- **Helps State better understand its needs and environment**

# FirstNet State Plan

## Development & Delivery Process

### **“SEC. 6302. STATE AND LOCAL IMPLEMENTATION.**

#### **(e) STATE NETWORK.—**

*(1) NOTICE.—Upon the completion of the request for proposal process conducted by the First Responder Network Authority for the construction, operation, maintenance, and improvement of the nationwide public safety broadband network, the First Responder Network Authority shall provide to the Governor of each State, or his designee—*

- (A) notice of the completion of the request for proposal process;*
- (B) details of the proposed plan for buildout of the nationwide, interoperable broadband network in such State; and*
- (C) the funding level for the State as determined by the NTIA.”*



What the Law  
requires...

What the States  
are looking for...



What the RFP  
will produce...

What the FCC &  
NTIA need ...

## One Portal / Two Purposes



## Public Safety Entities



### COVERAGE

Band 14 coverage, possible non-Band 14 coverage, and deployable options



### APPLICATIONS AND FEATURES

Public Safety-facing applications, Quality of Service, Priority and Pre-emption (QPP), ICAM and Mission Critical services



### SERVICES

Plans, pricing, procurement options, security, and customer support



### DEVICES AND ACCESSORIES

Band 14 device portfolio, accessories, and wearables

## Governor

### POLICY COMPLIANCE

FirstNet policies on coverage, security, performance and other matters must be planned for and adhered to in Opt-Out scenarios.

### TIMEFRAME/COST

Opt-Out proposals must be comparable in terms of deployment timeframe and cost. Cost comparison metrics will be included.

### INTEROPERABILITY

Alternative RAN proposals must have and maintain interoperability with the FirstNet core throughout the terms of agreement. Network policies and equipment specifications will be included.

# State Plan Portal Analogy



I would like to rent a room.



Do I want to build and operate the franchise in my State?



# State Plans Consultation in 2016



*J-18 Delivery Mechanism Objectives*  
*J-19 State Plan Template*

**FirstNet  
RFP  
Release**



**State Plans  
Prep**

**FirstNet  
Contract  
Award**



*Jan  
2016*

*April  
2016*

*As Scheduled*

*Nov  
2016*

**Governance  
Group  
Meetings**



**SPOC Team  
Interactions**



**Executive  
Consultation**



# State Plans Development and Delivery



FirstNet Contract Award



Develop State Plans & Prepare for Delivery

Feedback Received

Awesome!!   
EXCELLENT   
GOOD   
AVERAGE   
POOR



Final Prep for Delivery to Governor

State Plan Delivery to Governor (90-Day Review)

Nov 2016

Set during contract negotiation

Fixed timeframe

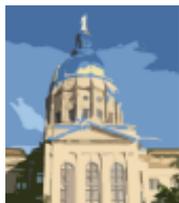
ASAP

Release of Draft State Plans



State Plan Draft Review





# The Governor's Decision

## ***“SEC. 6302. STATE AND LOCAL IMPLEMENTATION.***

*(e) STATE NETWORK.—*

*(2) STATE DECISION.—Not later than 90 days after the date on which the Governor of a State receives [a State Plan], the Governor shall choose whether to—*

*(A) participate in the deployment of the nationwide, interoperable broadband network as proposed by the First Responder Network Authority; or*

*(B) conduct its own deployment of a radio access network in such State.”*

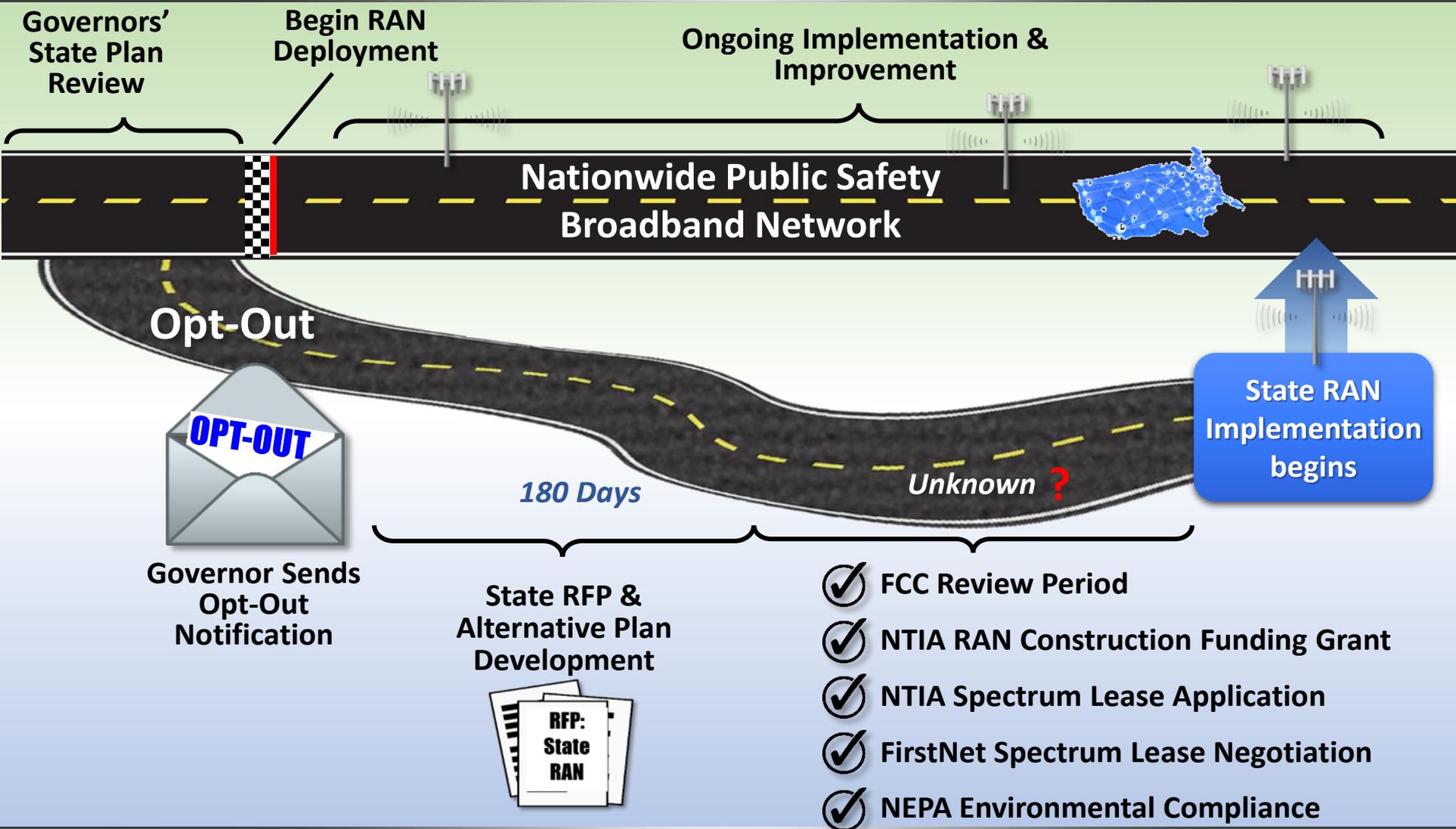


# Responsibilities and Decisions



	Decision	Responsibility	
 <p><b>BAND-14 CORE</b></p>	<p>N/A</p>	<p>✓ <b>FirstNet</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> QPP</li> <li><input type="checkbox"/> Customer Care</li> <li><input type="checkbox"/> Applications</li> </ul>	
 <p><b>RAN DEPLOYMENT</b></p>	<p><b>Governor Decides:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> FirstNet Plan, or</li> <li><input type="checkbox"/> Opt-Out</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> FirstNet, or</li> <li><input type="checkbox"/> Governor</li> </ul>	
<p><b>WIRELESS SERVICES, PRODUCTS &amp; APPLICATIONS</b></p> 	<p><b>Public Safety Entities Decide:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Adopt, or</li> <li><input type="checkbox"/> Don't Adopt</li> </ul>	<p><b>Public Safety Entities</b></p> <ul style="list-style-type: none"> <li>✓ Enterprise Users</li> <li>✓ Individual Users</li> </ul>	

# Governor's Decision: Timeline



# Governor Considerations



Issue	Governor Consideration
1. Timeline Risks	<i>What are the implications of a delay for public safety in the state?</i>
2. RAN Deployment	<i>Short and long-term (25 years) budget outlook? Legislative approval?</i>
3. Ongoing RAN Cost	<i>Will expected state user fees offset the planned and unplanned RAN costs?</i>
4. Technical	<i>What is the state's current technical capacity to handle all network interoperability risks?</i>
5. Operational Risks	<i>Can the state oversee an LTE network deployment?</i>

- **Carefully consider the responsibilities, risks and timelines associated with the Governor's decision**
- **Consider and establish a clear decision-making process to meet 90-day review period**
- **Consider how to educate individuals/bodies who will inform the Governor**
  - Formal Executive Consultation – Fall 2016
  - Ad Hoc executive briefings (as requested)



# Preparing for Adoption Consultation Task Teams

***“SEC. 6206. POWERS, DUTIES, AND RESPONSIBILITIES OF THE FIRST RESPONDER NETWORK AUTHORITY.***

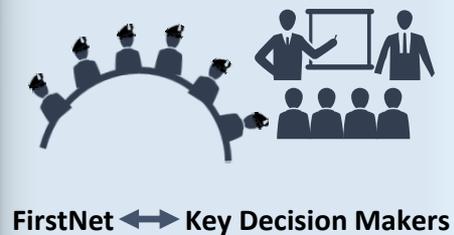
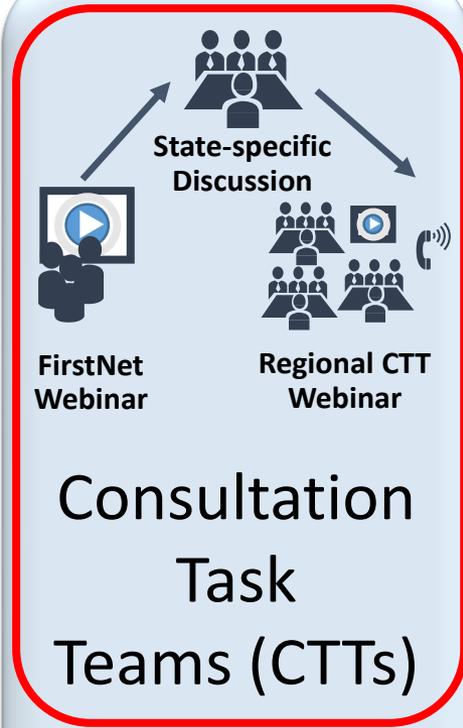
***(2) STATE AND LOCAL PLANNING.—***

***(A) REQUIRED CONSULTATION.—****In developing requests for proposals and otherwise carrying out its responsibilities under this Act, the First Responder Network Authority shall consult with regional, State, tribal, and local jurisdictions...with regard to the—*

- i. construction of core network & any radio access network build out;*
- ii. placement of towers;*
- iii. coverage areas of the network, whether at the regional, State, tribal, or local level;*
- iv. adequacy of hardening, security, reliability, & resiliency requirements;*
- v. assignment of priority to local users;***
- vi. selection of entities seeking access to or use of the nationwide public safety interoperable broadband network*
- vii. training needs of local users.”***



# 2016 Consultation Elements



SPOC  
Engagement  
Meeting

Governance  
Body  
Meeting

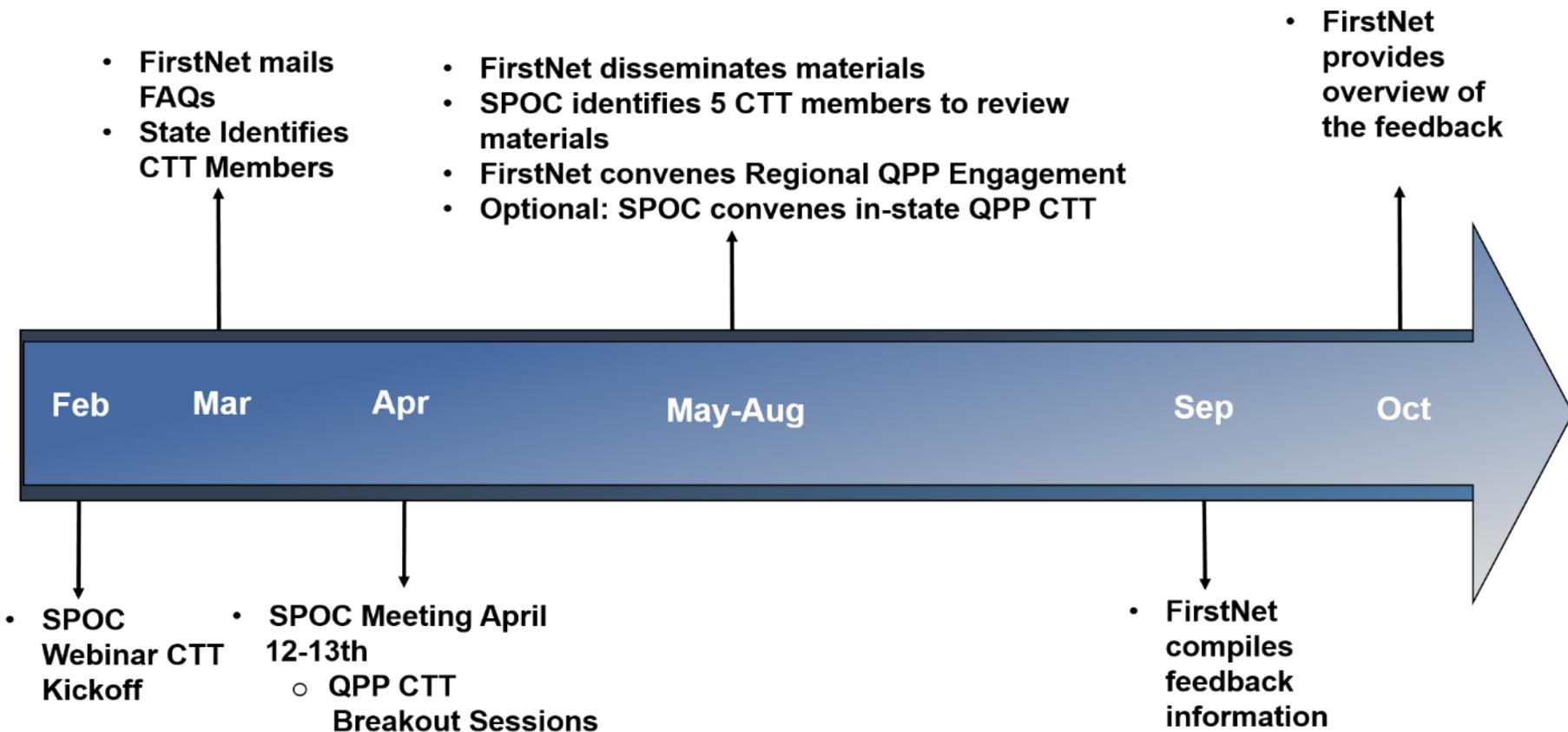
Consultation  
Task  
Teams (CTTs)

Executive  
Consultation  
Meeting

EXPANDED NATIONAL OUTREACH

EXPANDED FEDERAL CONSULTATION

# The First CTT: Quality of Service, Priority, and Preemption (QPP)



Statutory Requirement – “SEC. 6206. (c) (2) (A) (vii) training needs of local users”

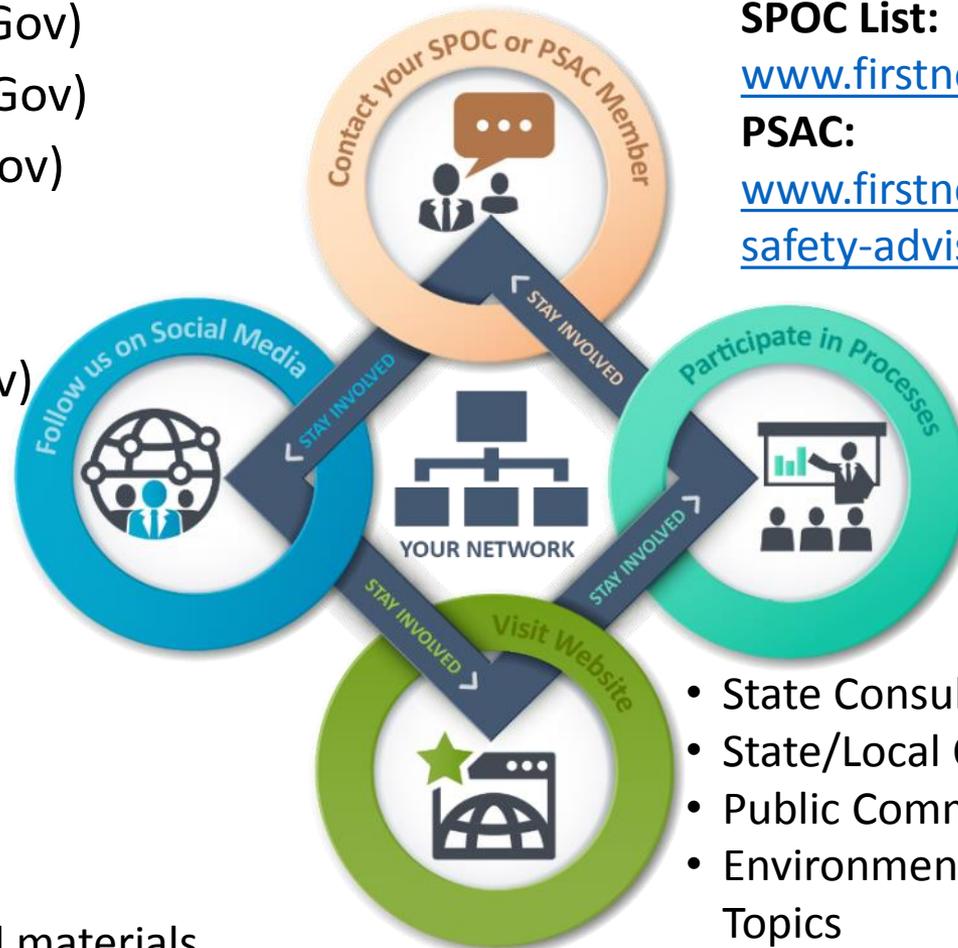
- ✓ Are there standardized training programs (beyond the agency level) on the use of mobile data?
  - ✓ State Training Academy?
- ✓ How would new mobile data applications/device training be integrated into your programs?
- ✓ Is training limited to initial use or is refresher training required/provided?
- ✓ Is evaluation of mobile data applications included in regular exercises?

- CTTs will help inform our policies and plans as we move into adoption of FirstNet services
- Your opinions on the value proposition of QPP and how to best incorporate that value into our services is of critical importance to us
- Please share points of contact for whom we should be following up with regarding delivering training and training needs

# Staying in Touch with FirstNet



-  Twitter (@FirstNetGov)
-  Google+ (+FirstNetGov)
-  YouTube (FirstNetGov)
-  Flickr (FirstNetGov)
-  LinkedIn
-  Tumblr (FirstNetGov)



## SPOC List:

[www.firstnet.gov/consultation](http://www.firstnet.gov/consultation)

## PSAC:

[www.firstnet.gov/about/public-safety-advisory-committee](http://www.firstnet.gov/about/public-safety-advisory-committee)

## [www.firstnet.gov](http://www.firstnet.gov)

- Fact Sheets
- Blogs
- Presentations
- Current Events
- Board meetings and materials

- State Consultation
- State/Local Outreach Activities
- Public Comment
- Environmental & Historic/Cultural Topics  
(PEIScomments@firstnet.gov)

# FirstNet Support Team



## Area Leads

Regions 1-5: Jeffrey King  
Regions 6-10: Steve Smith

KEY	
•	Regional Lead (RL)
•	Government Affairs (GA)
•	Federal (F)
•	Tribal (T)



**FirstNet**®



**Questions?**