

Kansas Statewide Interoperability Executive Committee Meeting

June 15, 2016

Topeka, KS





**Governance Body Consultation Meeting
Kansas Statewide Interoperability Executive Committee
June 15, 2016**

FirstNet Update

Consultation and State Data

- Consultation/Interactions to Date
- State Data Collected
- Next Steps/Questions

State Plans

- Development and Delivery Process
- Roles and Responsibilities
- Next Steps/Questions

Governor's Decision

- Post Decision Process
- Opt-Out Considerations
- Next Steps/Questions

Planning for Adoption/Consultation Task Teams (CTT)

- Quality of Service, Priority, and Preemption CTT
- Local User Training
- Next Steps/Questions

Open Discussion



Kansas Governance Body Meeting

Working together to bring broadband to Public Safety Entities

**June 15, 2016
Topeka, KS**

Agenda & Goals



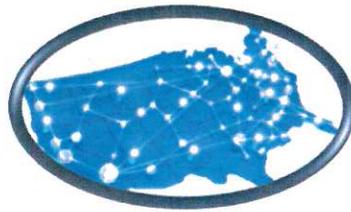
Topic	Goal
FirstNet Overview	<i>FirstNet will listen and learn</i>
Kansas Consultation to Date	<i>Recap and consider continued data collection (optional)</i>
FirstNet State Plan	<i>Identify potential issues and set expectations for Kansas review process</i>
The Governor's Decision	<i>Discuss process,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

Compelling Value to Public Safety

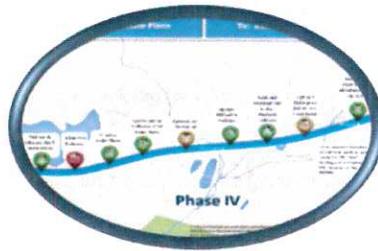


“FirstNet must provide a service that is compelling to public safety in order to earn your business.”

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.)

An Urgent Need



“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

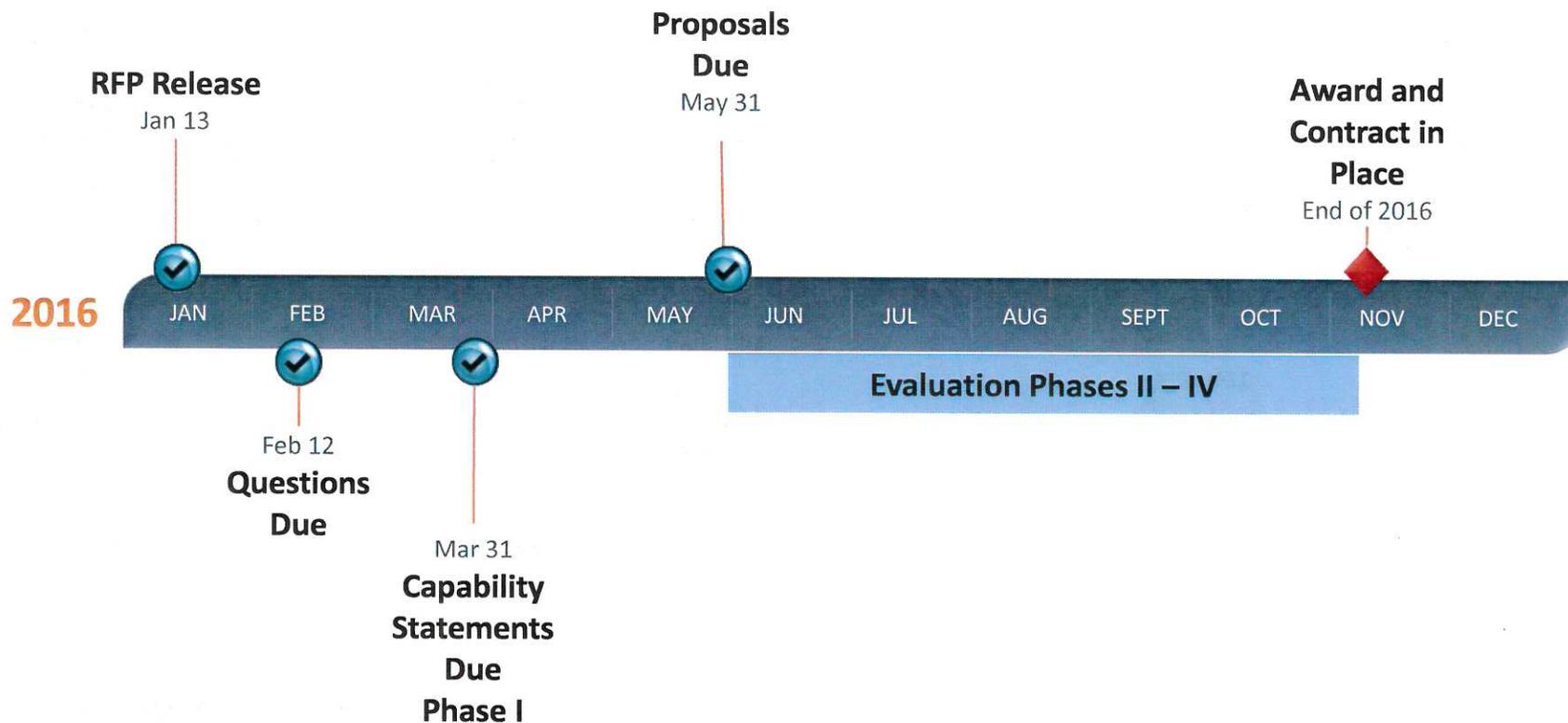


Customer Care and Marketing



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

Evaluation Phase Has Kicked Off



Recap of Kansas Consultation to Date



1. Kansas Initial Consultation Meeting

- June 17, 2015 in Topeka, Kansas
- 60 attendees

2. Additional Kansas Specific Meetings/Communications

- Data Collection Call (October 2015)
- SPOC Kick-Off meeting (March 2106)
- 2016 APCO Kansas City Emerging Technology Forum (March 2016)

Kansas Submission Summary



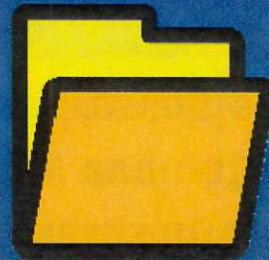
2a. Objective: Identify the basic demographics of each public safety entity (PSE)	
Public Safety Entity (PSE) Name	Agency Organization Name
Department	<i>Enter only responses apply to a specific department within the PSE</i>
Organization	
Type	Local County State Tribal Federal Other
Street Address	
City	
County	
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 Subcontract Operations	Estimate of total # of vehicles supporting operational personnel
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 for source of data
	<i>An answer of "unknown" should be allowed</i>

663

Agency Surveys*

11,600+

Nationwide



17.4 MB

Submitted

15.1 GB

Nationwide



29,800+

State Public Safety Personnel Represented*

1.6 Million

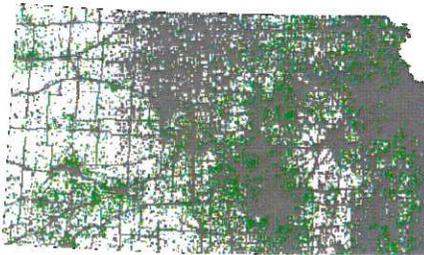
Nationwide

*As of updated submission received January 2016

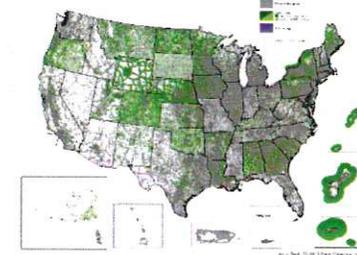
How Was State Data Used in the RFP?



Coverage Objectives



Nationwide Objective



User Survey Data

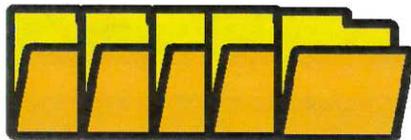
User, device and tonnage estimates informed capacity evaluation and total addressable market

2c. Objectives 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	Tonnage	Agencies	Personnel	Devices	Tonnage
Law Enforcement (Municipal Police, State Police, Sheriff, Highway Patrol)	225	18,000	20,000	0.8	3,000	80,000	0.8	94,000
Fire Services	180	1,000	800	0.8	800	40,000	0.8	49,000
Emergency Medical Services	90	800	700	1.8	500	20,000	1.8	20,000
Courts, Corrections and Security				No Entry				
Emergency Management				No Entry				
Facilities and Asset Management				No Entry				
Logistics and O&M				No Entry				
Logistics and material resources				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, Telephony and Sewer)				No Entry				
Specialized Law Enforcement (Investigative, Intelligence, Operations, etc.)				No Entry				
Transportation Operations (Air, Sea and Highway)				No Entry				
Other Governmental Agencies				No Entry				
Other Regulatory Agencies				No Entry				
Other Non-Governmental				No Entry				
TOTAL	400	20,500	21,500	3.2	2,100	140,000	3.1	174,000



Submission Files



RFP Reading Room



- 1a. Coverage Objectives
- 2a. PSE Info, Personnel Counts
- 2d-ii. Common response areas
- 3a. Application Usage
- 3b. Data Usage (Traffic Profiles)

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

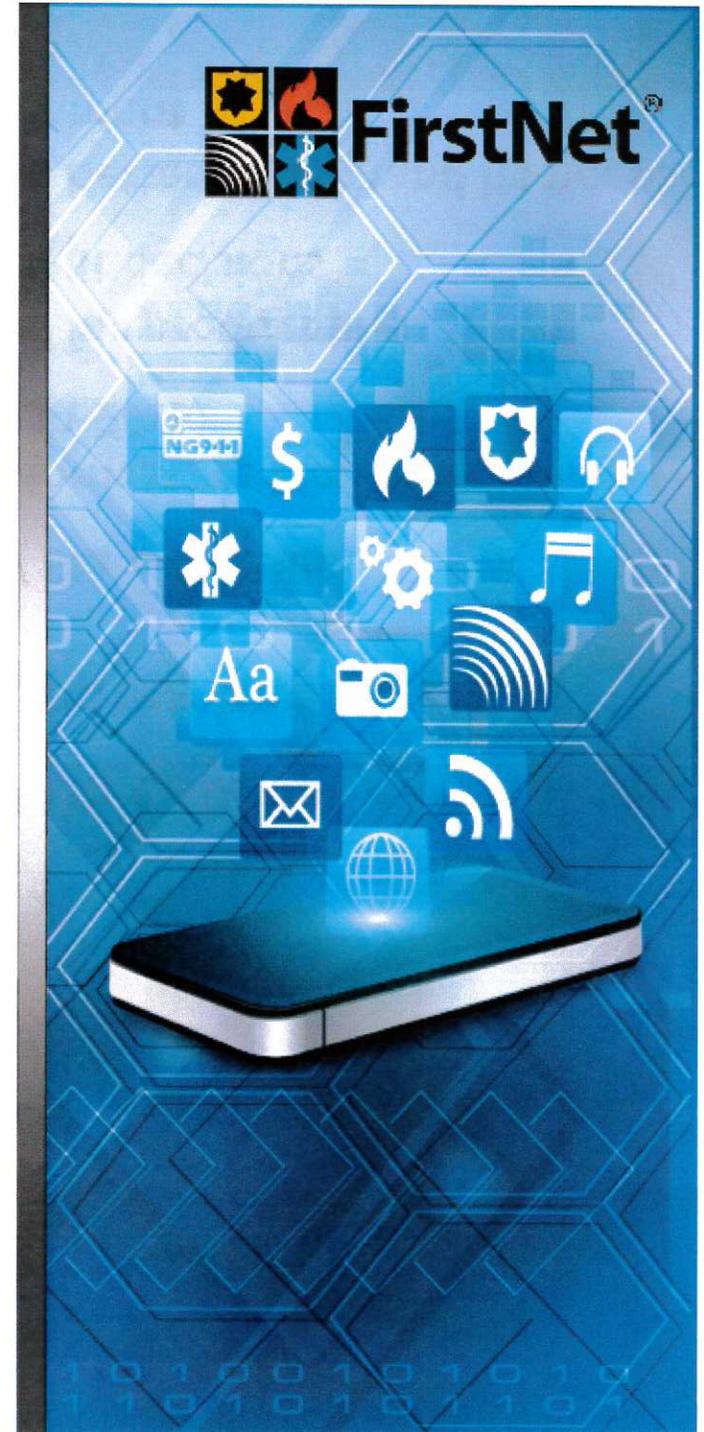
Development & Delivery Process

“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.”***



State Plan Influencers



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.

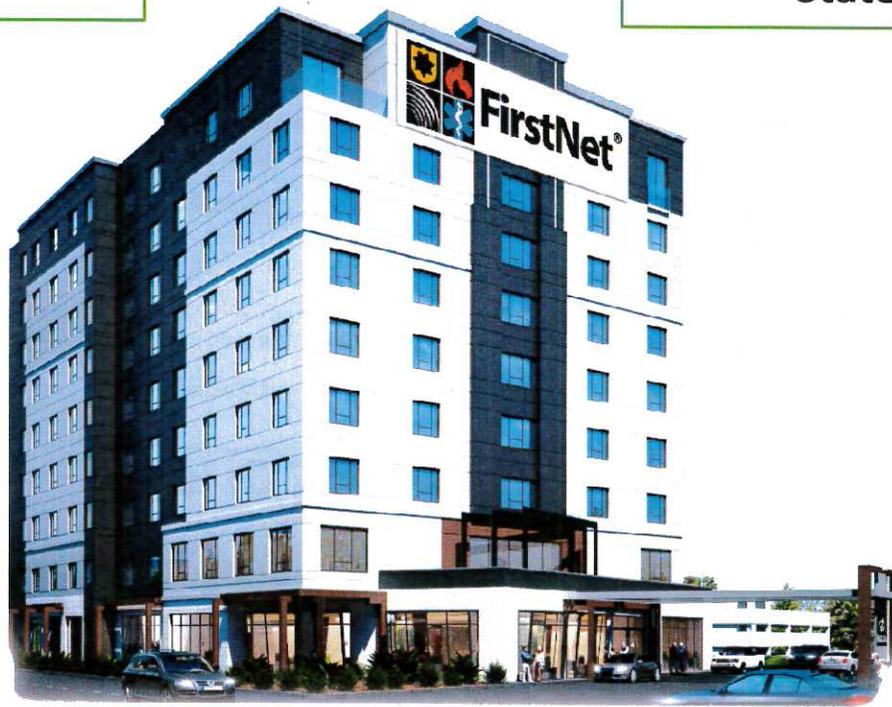
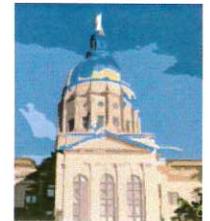
State Plan Portal Analogy



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



Feedback Received

Awesome!!
EXCELLENT
GOOD
AVERAGE
POOR



Develop State Plans & Prepare for Delivery

Final Prep for Delivery to Governor

Nov 2016

Set during contract negotiation

Fixed timeframe

ASAP

State Plan Delivery to Governor (90-Day Review)

Release of Draft State Plans

State Plan Draft Review





The Governor's Decision

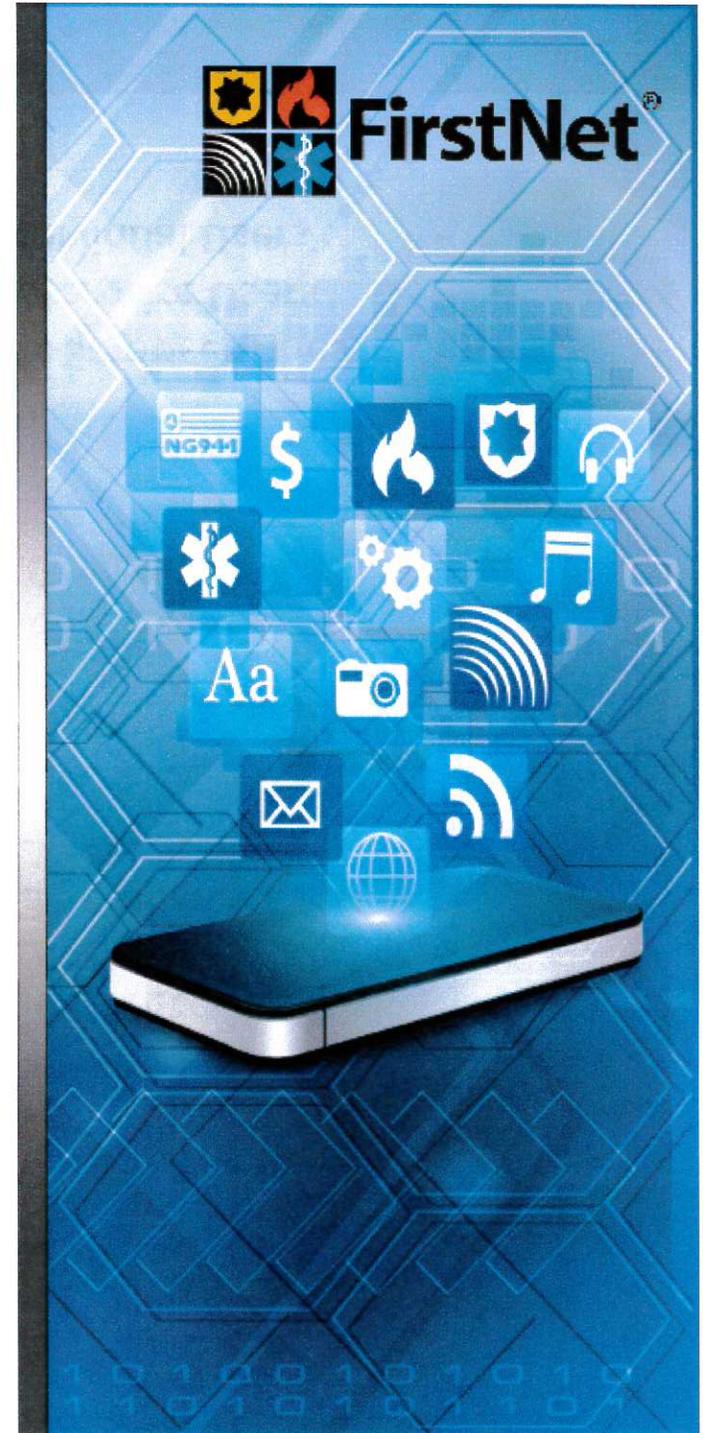
“SEC. 6302. STATE AND LOCAL IMPLEMENTATION.

(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

**BAND-14
CORE**

N/A

- ✓ **FirstNet**
 - QPP
 - Customer Care
 - Applications

**RAN
DEPLOYMENT**

- Governor Decides:**
- FirstNet Plan, or
 - Opt-Out

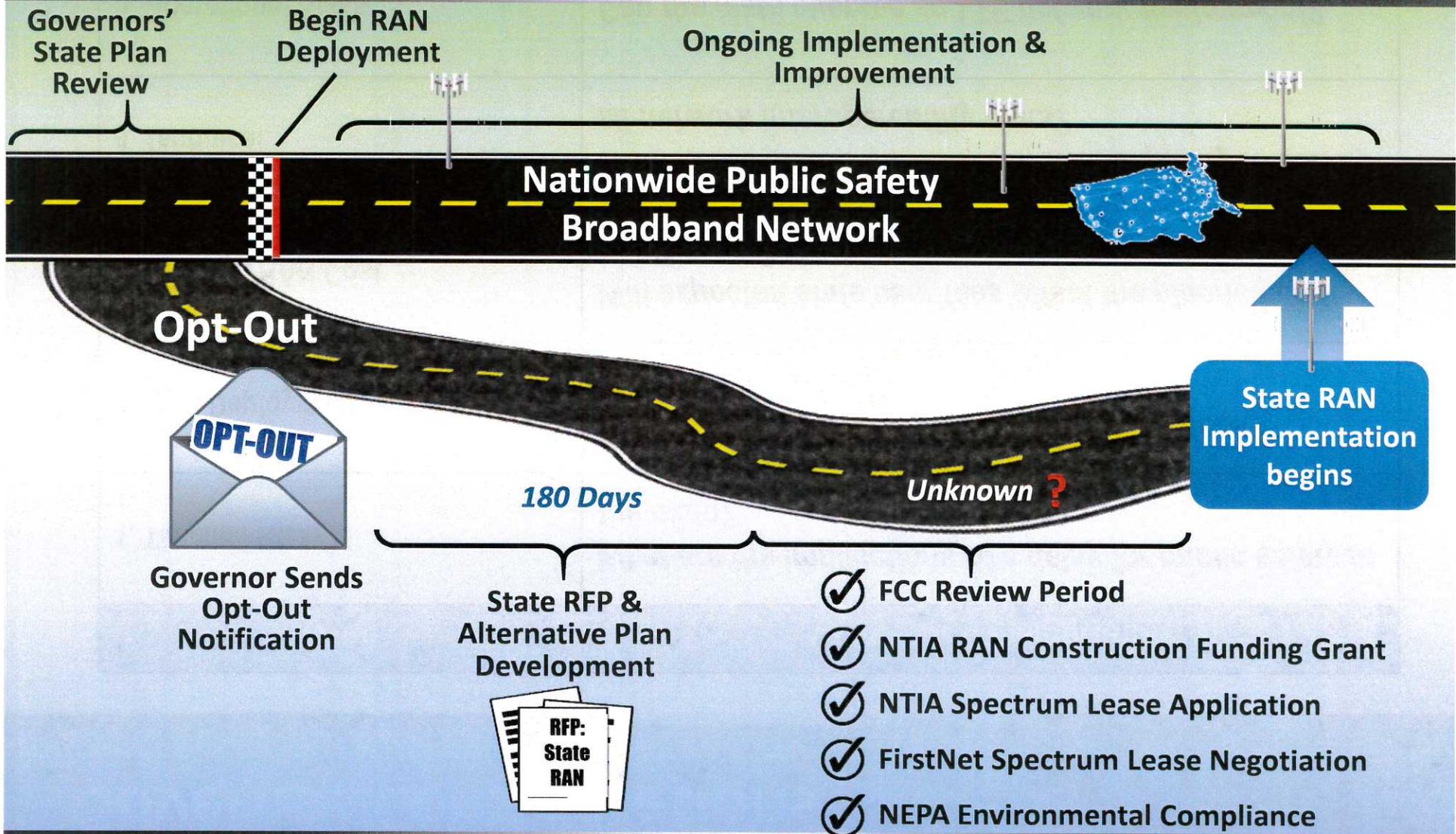
- FirstNet, or
- Governor

**WIRELESS SERVICES,
PRODUCTS &
APPLICATIONS**

- Public Safety Entities Decide:**
- Adopt, or
 - Don't Adopt

- Public Safety Entities**
- ✓ Enterprise Users
 - ✓ Individual Users

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)



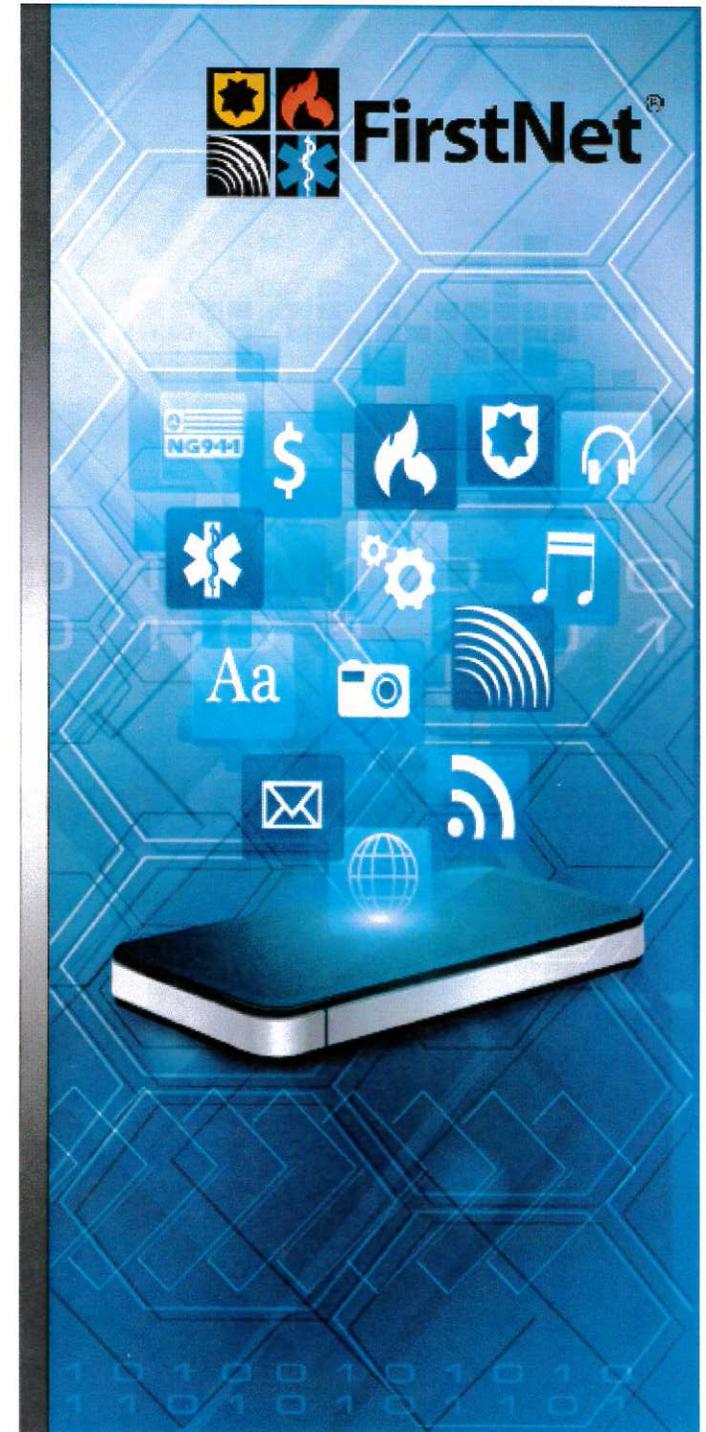
Preparing for Adoption Consultation Task Teams

“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



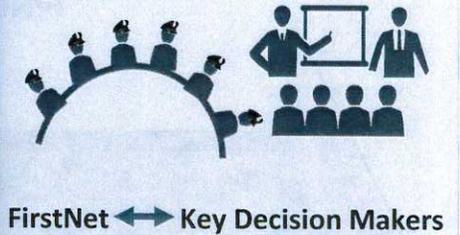
SPOC
Engagement
Meeting



Governance
Body
Meeting



Consultation
Task
Teams (CTTs)

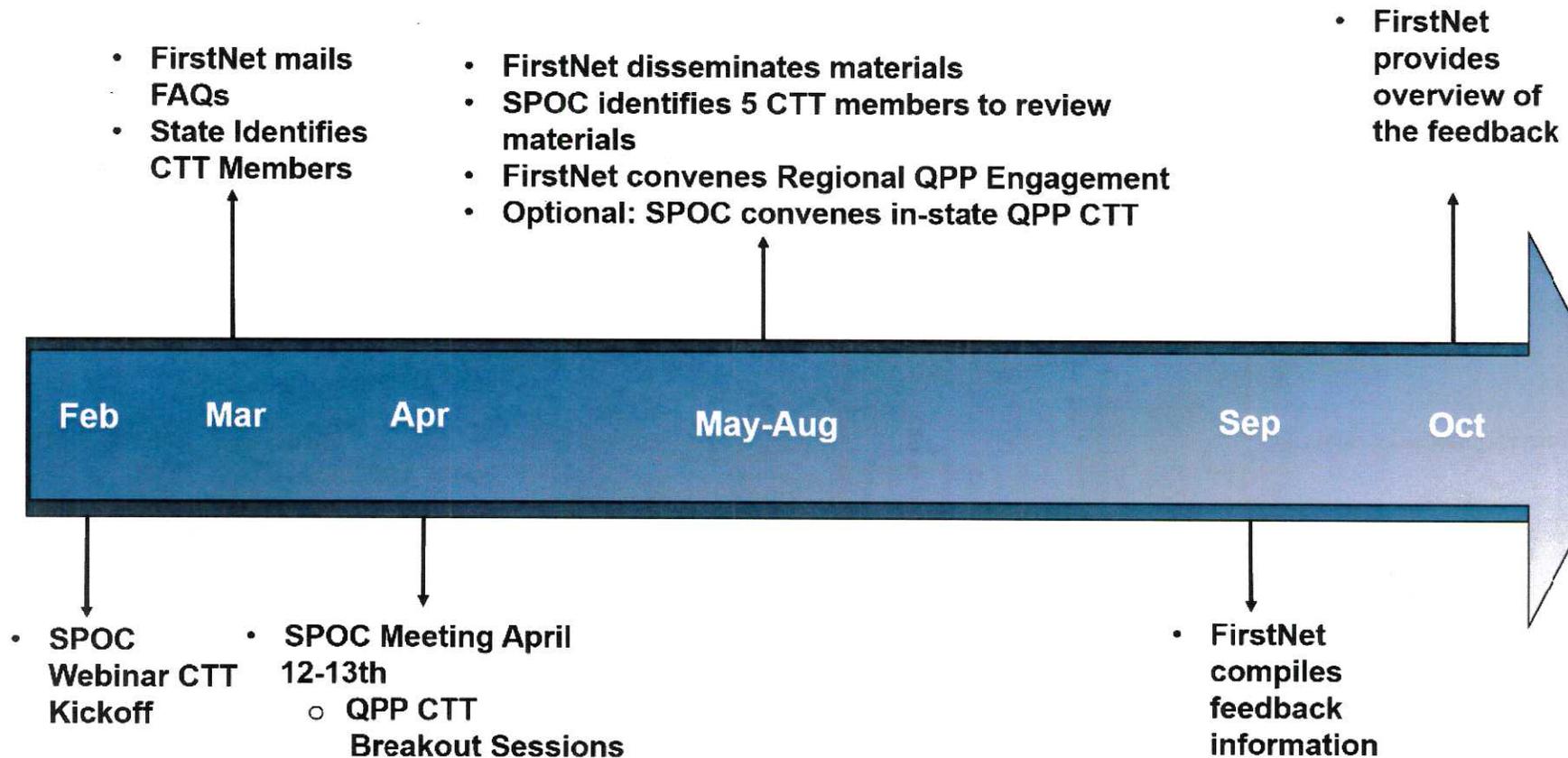


Executive
Consultation
Meeting

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

PSAC:

www.firstnet.gov/about/public-safety-advisory-committee

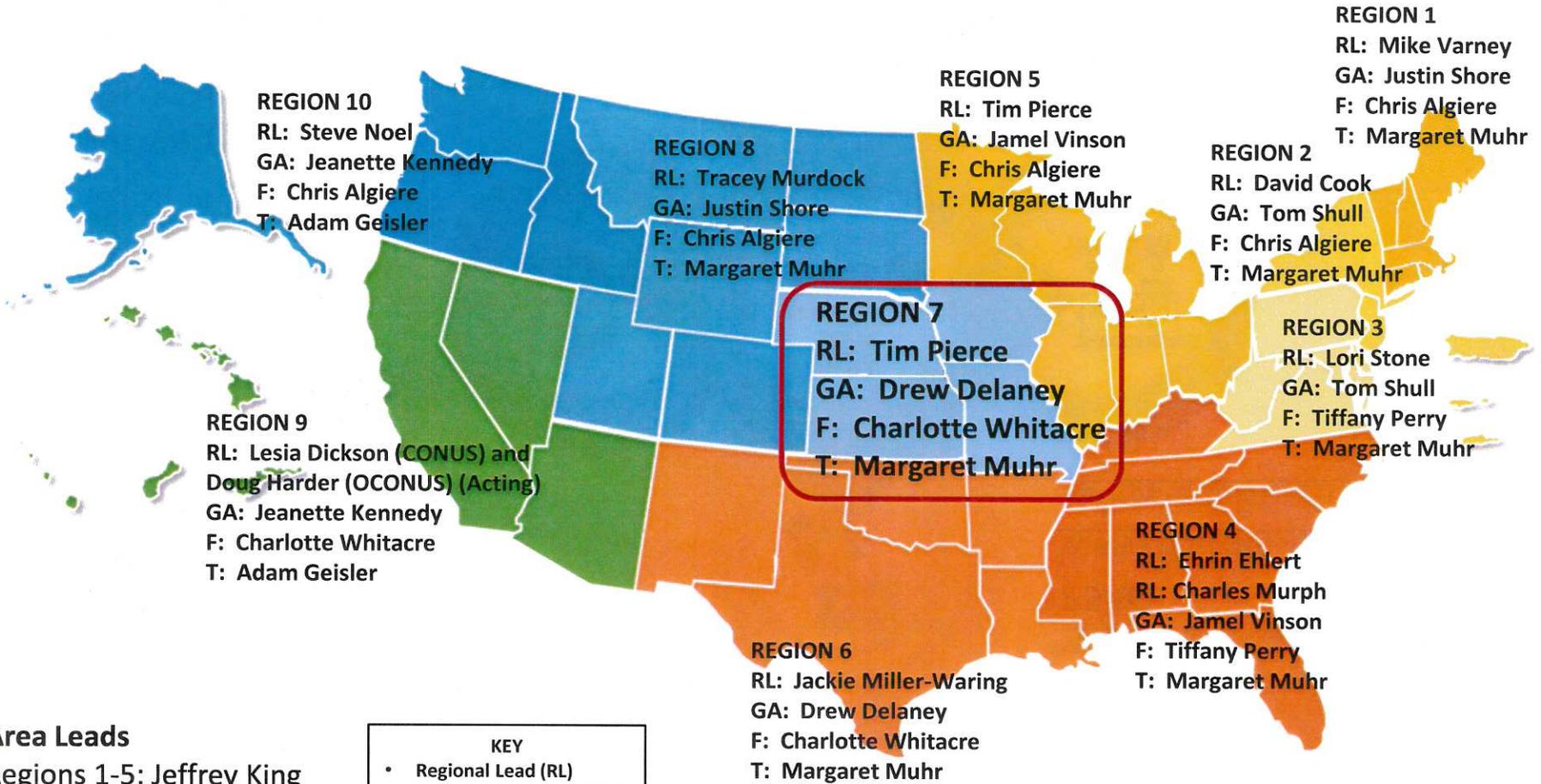


www.firstnet.gov

- 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)



Questions?

