Nevada
Governance Body Meeting

Working together to bring broadband to Public Safety Entities

June 6, 2016
Carson City, Nevada

Agenda & Goals

Topic	Goal
FirstNet Overview	*FirstNet will listen and learn*
Nevada Consultation to Date	*Recap and consider continued data collection (optional)*
FirstNet State Plan	*Identify potential issues and set expectations for Nevada review process*
The Governor's Decision	*Discuss process, timeline, and risks*
Nevada Tribal Considerations	*Consideration of tribal public safety assets, buildout requirements, impact to communities*
Preparing for Adoption	*Overview of Consultation Task Teams*
Questions	*Answer questions and begin preparing for Executive Consultation*

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

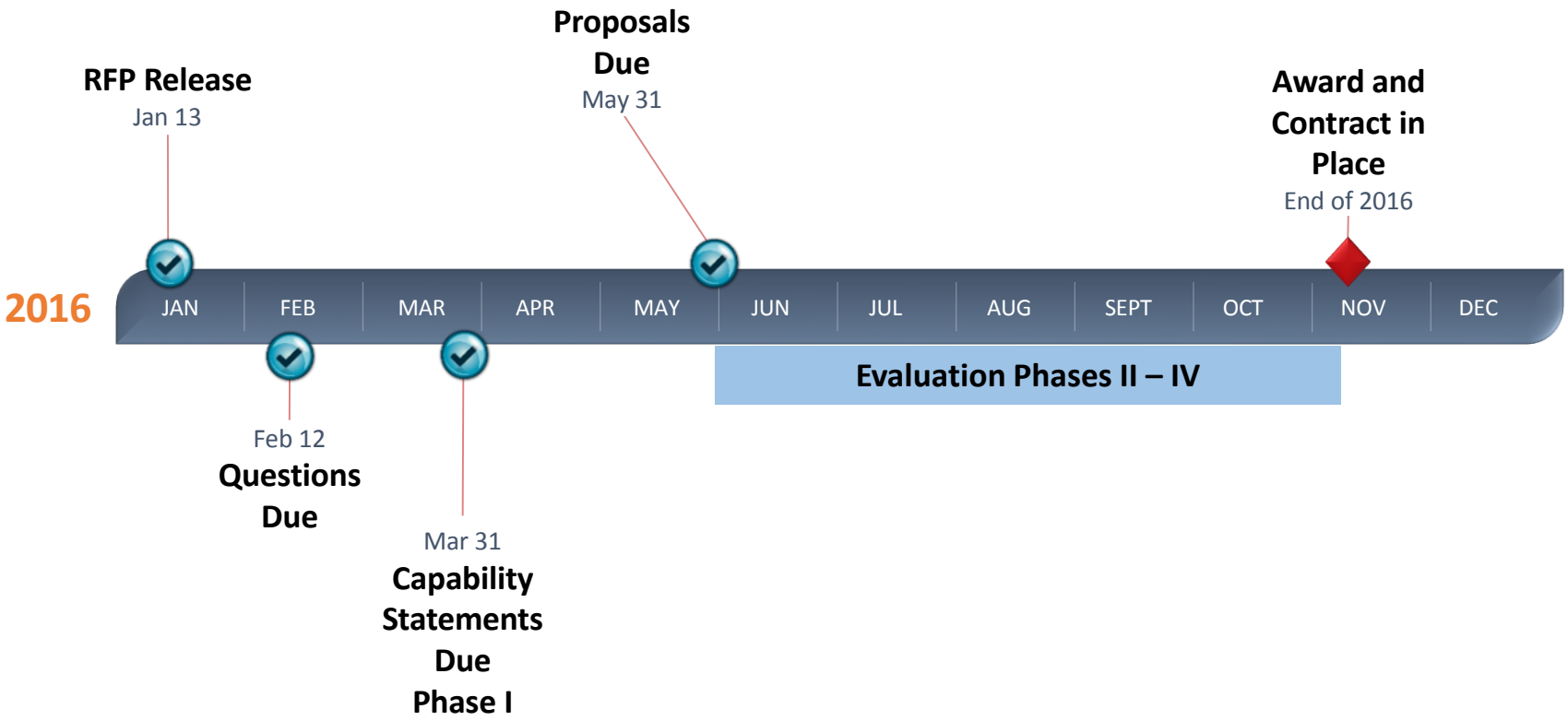
Life-cycle Innovation

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 Nevada Consultation to Date

Consultation to Date

1. **Nevada Initial Consultation Meeting**
   - January 7, 2014, in Carson City, Nevada
   - 60 attendees

2. **Additional Nevada Specific Meetings/Communications**
   - Data Collection Call (November 2015)
   - SPOC Kickoff Meeting (January 2016)

Nevada Submission Summary

49

Agency Surveys

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 P*
Discipline	
Type	Local | County | State | Tribal | Federal | Other
Street Address	
City	
County	
State	
Zip Code	
# of Employees	*Estimate or total # of employees*
# of Full Time Employees	*Estimate or total # of full time employees*
# of Part Time Employees	*Estimate or total # of part time employees*
# of Volunteers	*Estimate or total # of volunteers*
# of Vehicles for Operations	*Estimate or 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*
	An answer of "unknown" should be allowed

11,600+

Nationwide

1.21 MB

Submitted

15.1 GB

Nationwide

27,500+

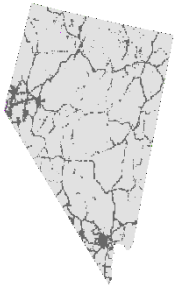
State Public Safety Personnel Represented

1.6 Million

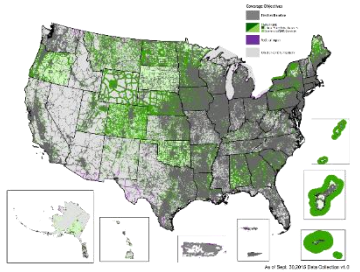
Nationwide

How Was State Data Used in the RFP?

Coverage Objectives



Nationwide Objective

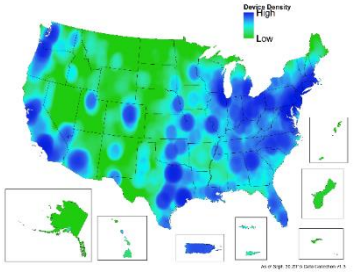


User Survey Data

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.

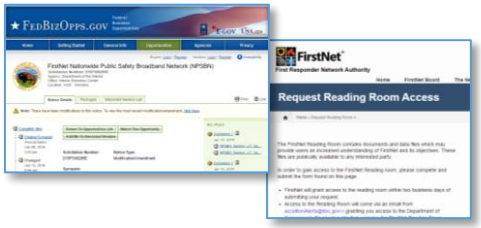
Discipline Examples	Surveyed Data (Sampling)				Estimated Totals			
	Agencies	Personnel	Devices	Dev./User	Agencies	Personnel	Dev./User	Devices
Law Enforcement (Municipal Police, State Police, Sheriff, Highway Patrol)	200	25,000	30,000	1.2	1,000	80,000	1.2	96,000
Fire Service	150	1,000	800	0.8	800	60,000	0.8	48,000
Emergency Medical Services	50	500	750	1.5	300	20,000	1.5	30,000
Courts, Corrections and Security				No Entry				No Entry
Emergency Management				No Entry				No Entry
Facilities and Land Management				No Entry				No Entry
Highway and DOT				No Entry				No Entry
Hospitals and Medical Facilities				No Entry				No Entry
National Security/Intelligence				No Entry				No Entry
Public Administration and Support Services				No Entry				No Entry
Public Health				No Entry				No Entry
Public Safety Communications				No Entry				No Entry
Public Utilities (Electricity, Gas, Water, Telecom and Sewer)				No Entry				No Entry
Specialized Law Enforcement Investigations, Intelligence, Dignitary Protection, etc.)				No Entry				No Entry
Transportation Operations (Air, Pipeline, Rail, Sea and Waterway)				No Entry				No Entry
Other Governmental Agencies				No Entry				No Entry
Other Regulatory Agencies				No Entry				No Entry
Other Non-Specified				No Entry				No Entry
TOTAL	400	26,500	31,550	1.2	2,100	160,000	1.1	174,000

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



Submission Files

RFP Reading Room



Ongoing Data Collection

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 …

FirstNet State Plan Concept

One Portal / Two Purposes

FirstNet State Plan Content

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

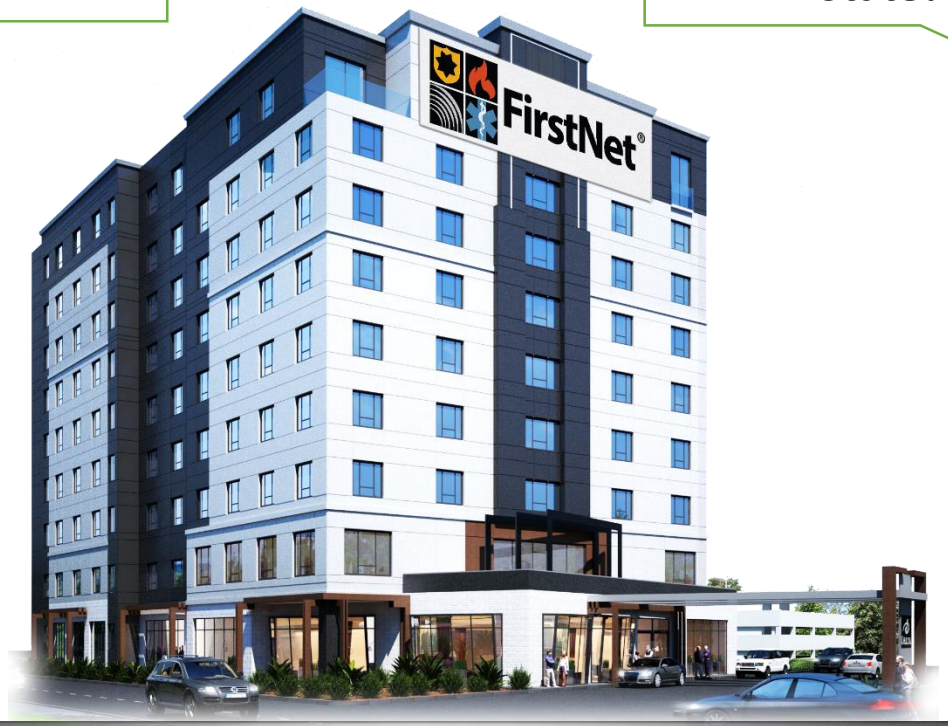
Opt-Out proposals must be comparable in terms of deployment timeframe and cost. Cost comparison metrics will be included.

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

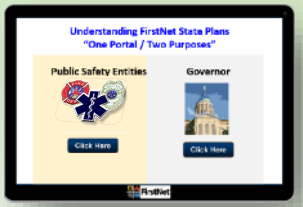
SPOC Team Interactions

Executive Consultation

State Plans Development and Delivery

FirstNet Contract Award

Nov 2016



Develop State Plans & Prepare for Delivery

Set during contract negotiation

Release of Draft State Plans

State Plan Draft Review

Fixed timeframe

Feedback Received

Final Prep for Delivery to Governor

ASAP

State Plan Delivery to Governor *(90 Day 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—

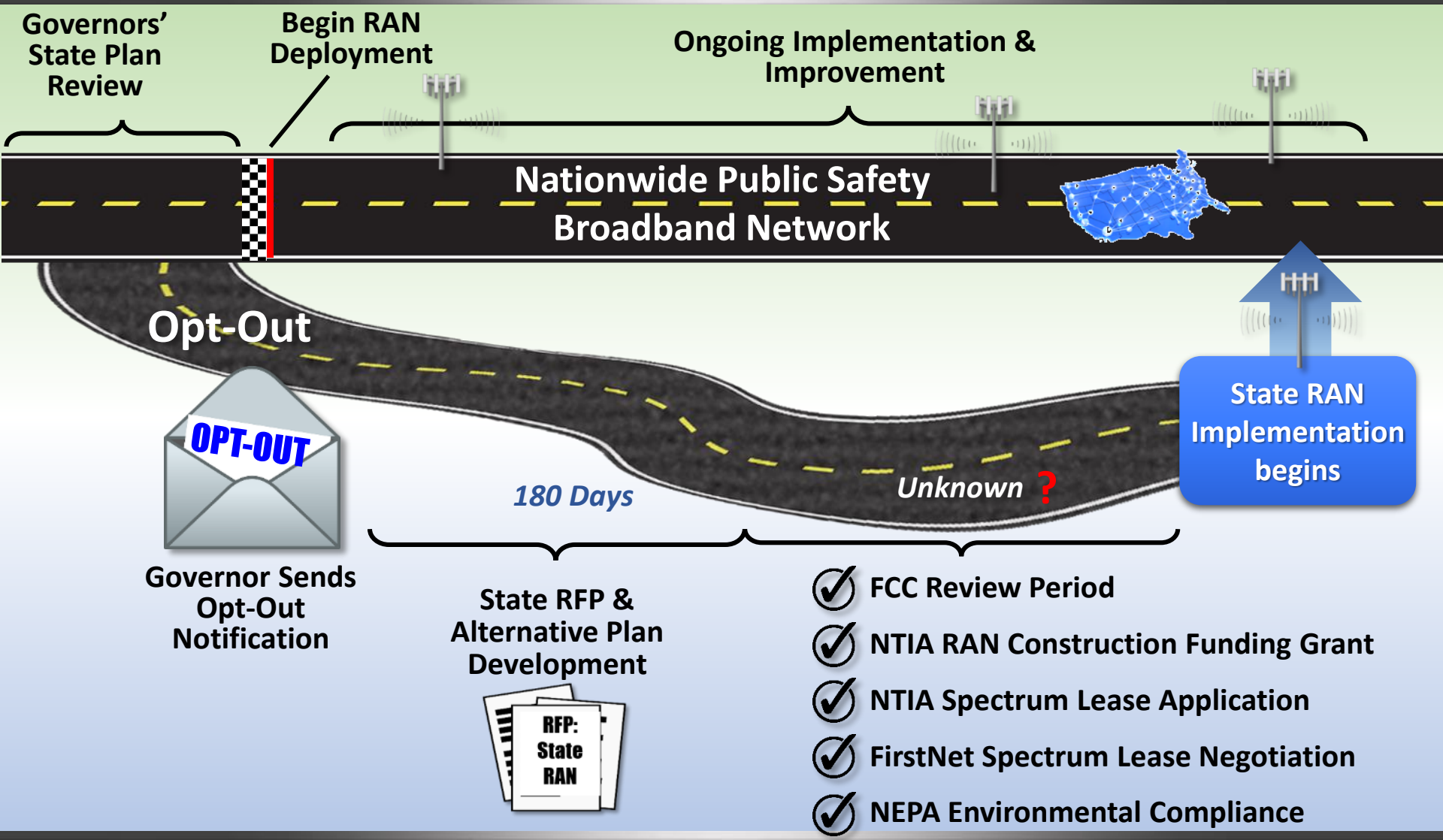
(A) participate in the deployment of the nationwide, interoperable broadband network as proposed by the First Responder Network Authority; or

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

Next Steps

- **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)

Nevada Tribal Considerations

- CTT's
  - Inclusion of tribal partners
- State Plan Review and Inclusion
  - Dialog and consideration of tribal facilities, enterprises, public safety assets
  - Tribal participation
- State Opt Out Impact to Tribes
  - Consideration for tribal buildout requirements
  - How has the state identified paying for RAN buildout and maintenance on tribal lands
- Governors Considerations
  - Impact to services on and around tribal communities

Preparing for Adoption
Consultation Task Teams

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

(2) STATE AND LOCAL PLANNING.—

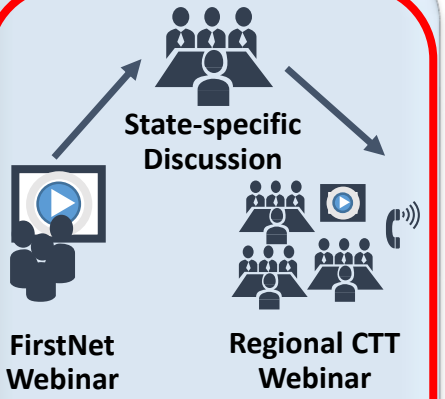
(A) REQUIRED CONSULTATION.—In developing requests for proposals and otherwise carrying out its responsibilities under this Act, the First Responder Network Authority shall consult with regional, State, tribal, and local jurisdictions…with regard to the—

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."

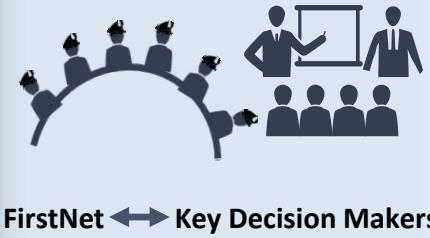
2016 Consultation Elements

SPOC Engagement Meeting

Governance Body Meeting



Consultation Task Teams (CTTs)

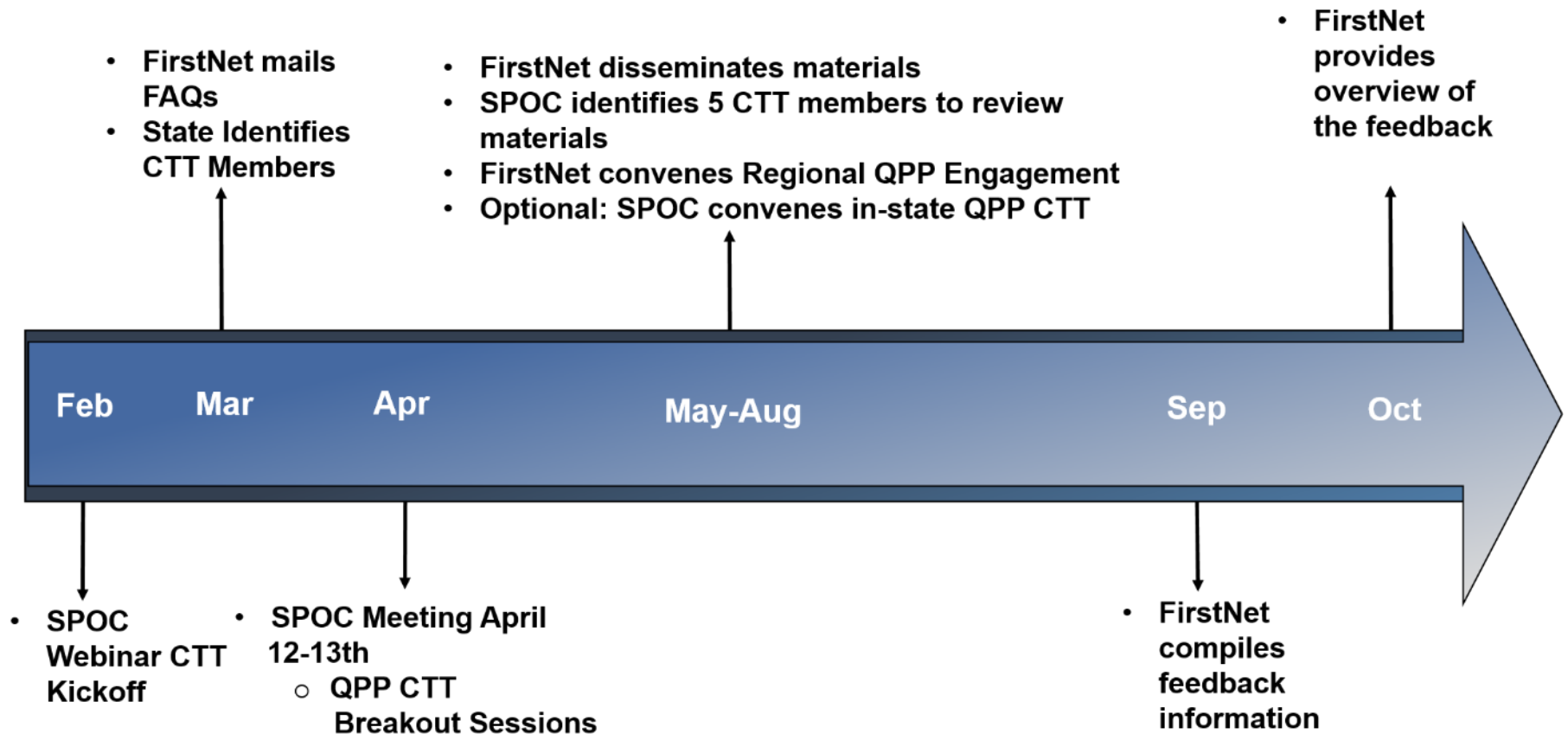


Executive Consultation Meeting

EXPANDED NATIONAL OUTREACH

EXPANDED FEDERAL CONSULTATION

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



Local User Training Input

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

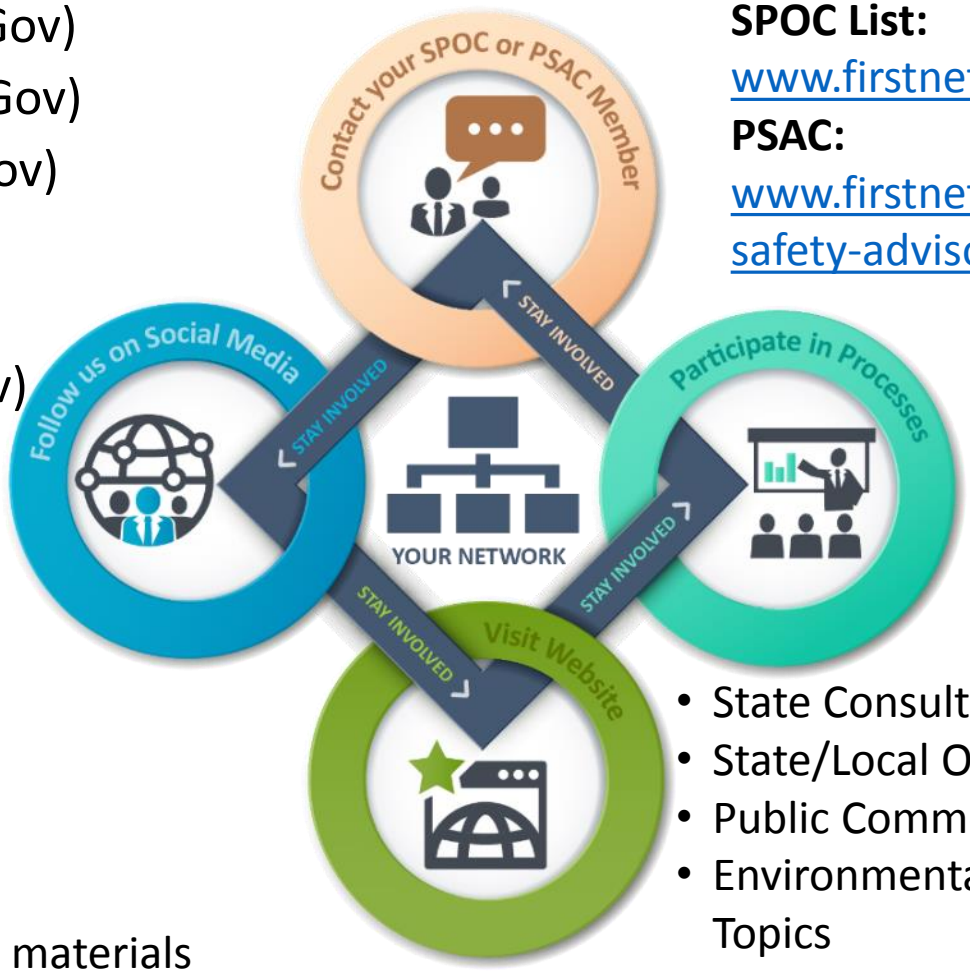
- ✓ Are there standardized training programs (beyond the agency level) on the use of mobile data?
  - ✓ State Training Academy?
- ✓ How would new mobile data applications/device training be integrated into your programs?
- ✓ Is training limited to initial use or is refresher training required/provided?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

CTT Next Steps

- 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)



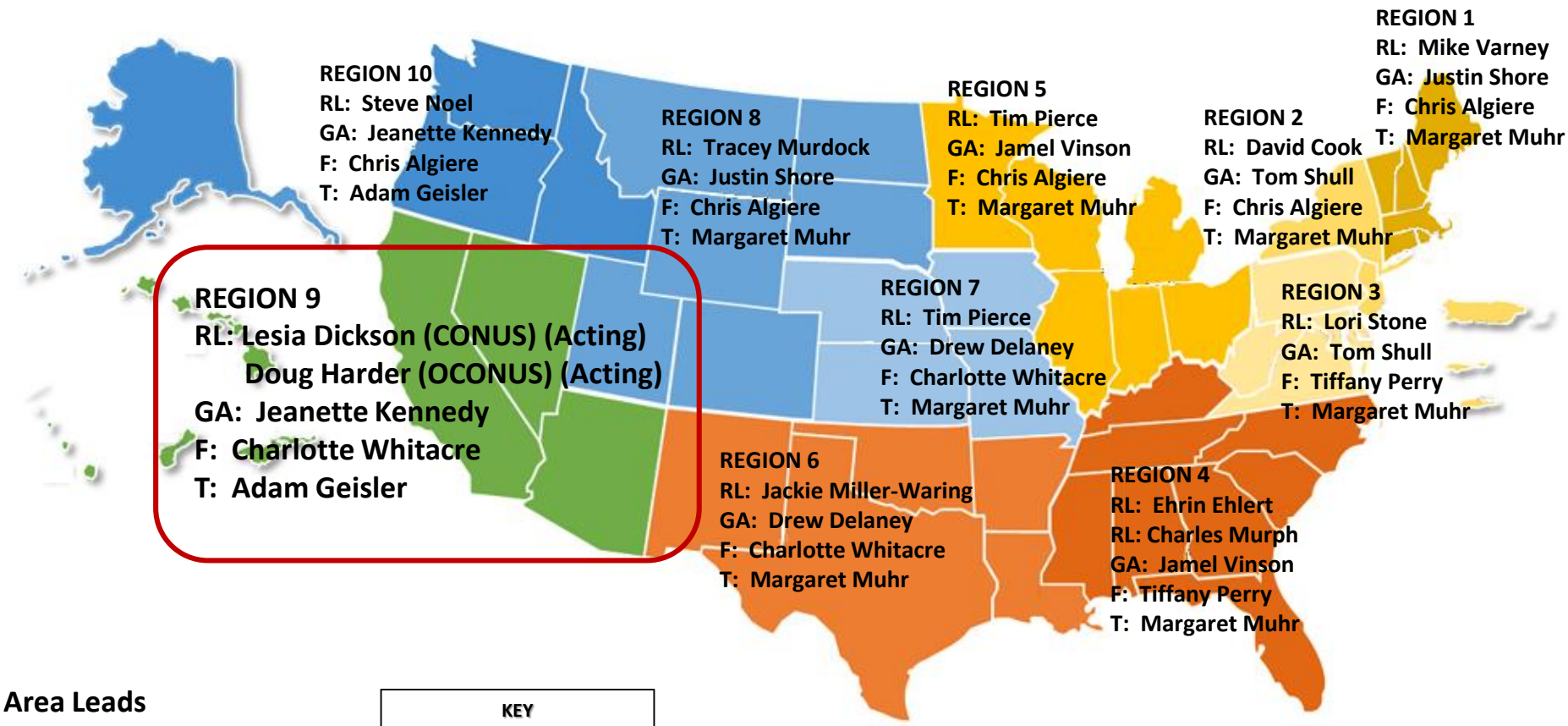
SPOC List:
www.firstnet.gov/consultation
PSAC:
www.firstnet.gov/about/public-safety-advisory-committee

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?