



FirstNet™

Vision for the Future

Regional Workshop Highlights

June 4, 2013



Jeffrey D. Johnson, Chief (Ret.)

CEO Western Fire Chiefs Association

Acting Customer Advocacy Officer

FirstNet Board Member



VISION

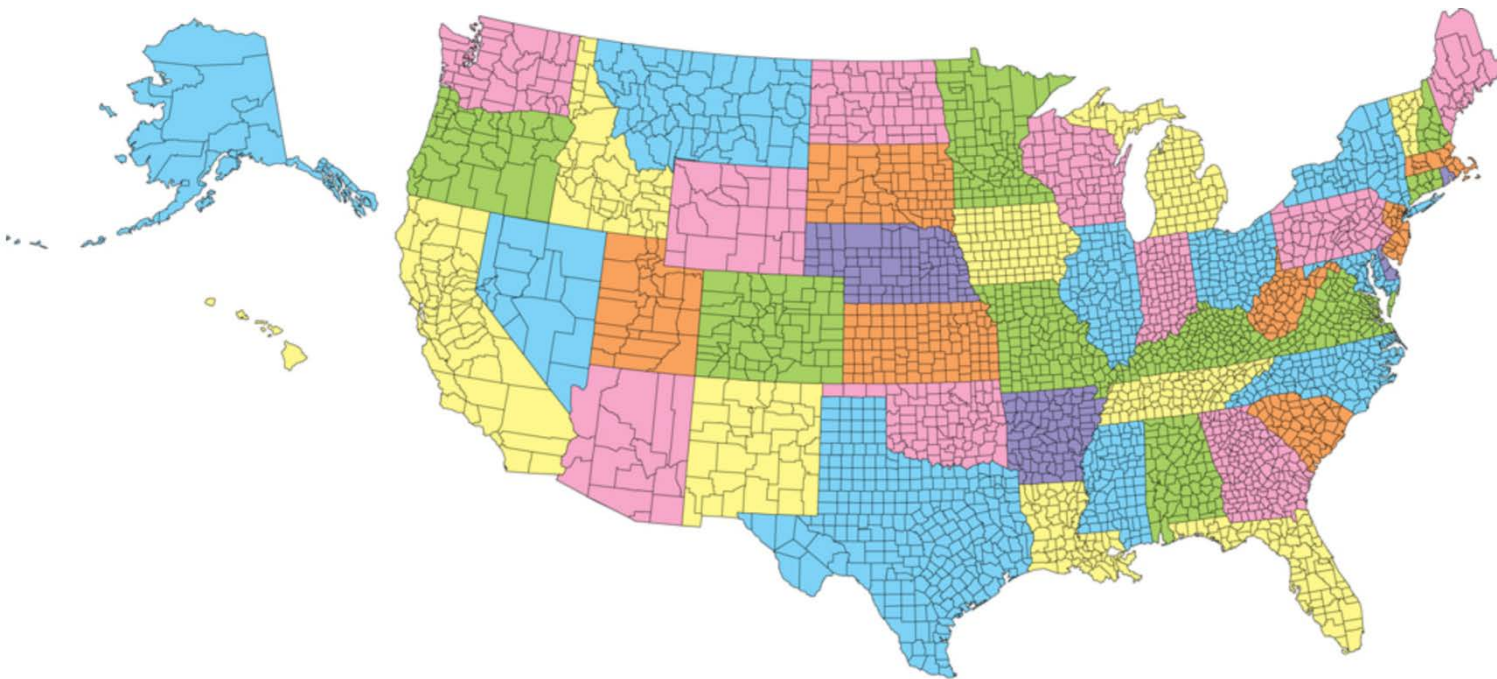
To provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to public safety



“FirstNet will be a force multiplier, enabling collaboration to help save more lives, solve more crimes and keep communities safer.”

Jeffrey D. Johnson, Chief (Ret.)
Chief Executive Officer — Western Fire Chiefs Association
FirstNet Board Member

FirstNet shared its vision and heard requirements, priorities and concerns from 276 workshop participants.



DC



Puerto Rico



Virgin Islands



American Samoa

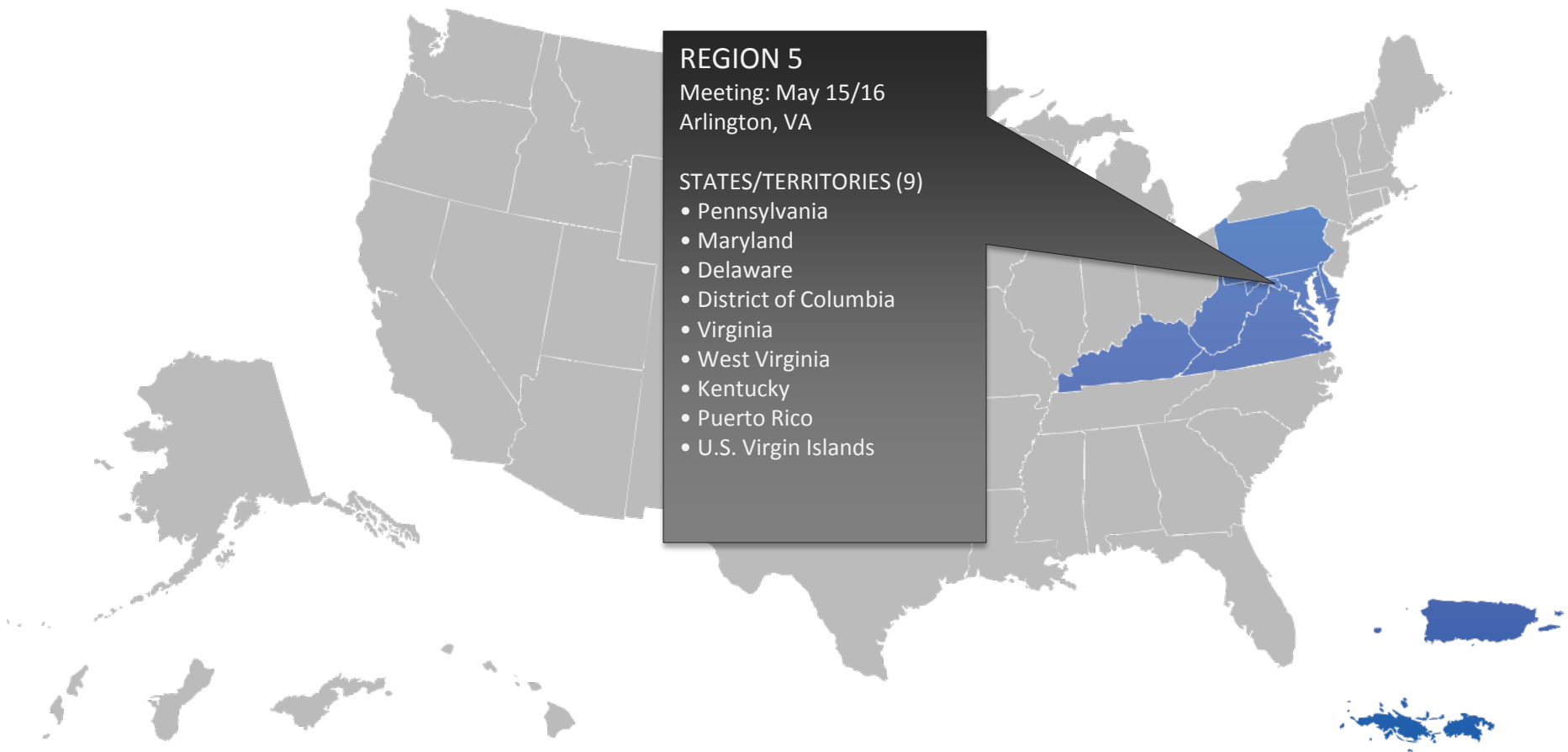


Guam

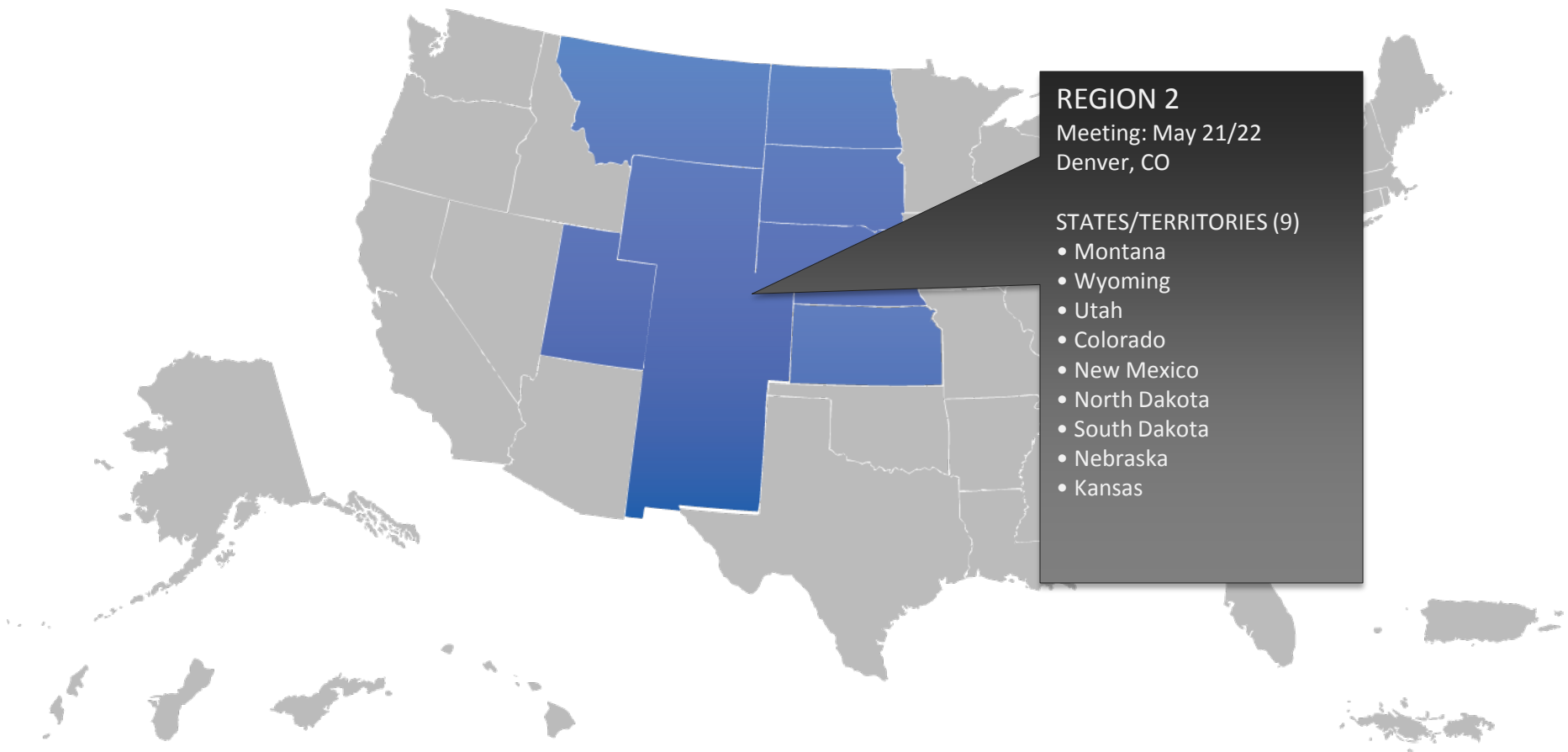


Northern Mariana Islands

First Regional State Consultation Workshop: Arlington, Virginia. May 15 and 16, 2013



Second Regional State Consultation Workshop: Denver, Colorado. May 21 and 22, 2013

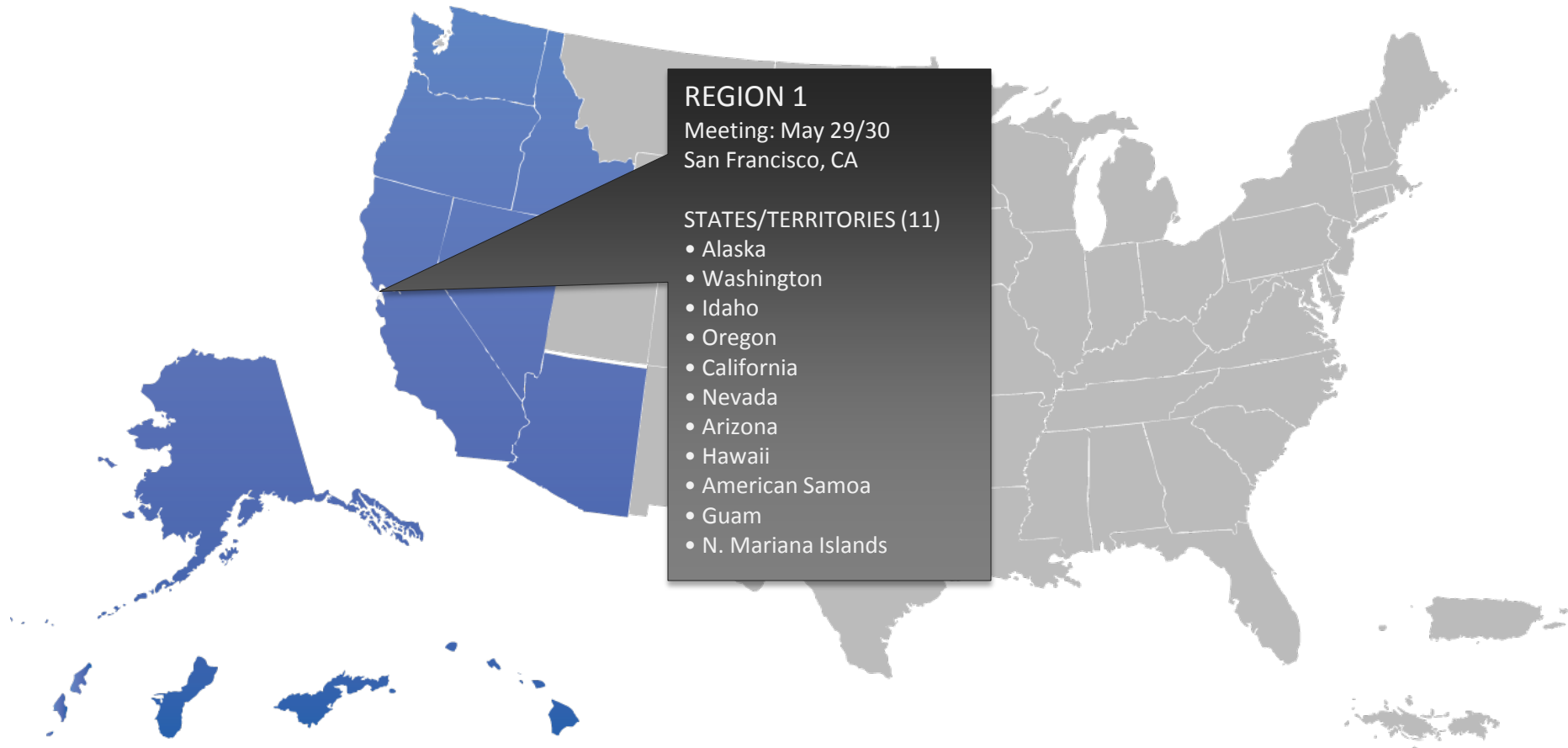


REGION 2
Meeting: May 21/22
Denver, CO

STATES/TERRITORIES (9)

- Montana
- Wyoming
- Utah
- Colorado
- New Mexico
- North Dakota
- South Dakota
- Nebraska
- Kansas

Third Regional State Consultation Workshop: San Francisco, CA., May 29 and 30, 2013



MEETING THEMES

1. Cost concerns (fee structure, infrastructure, sustainability)
2. Tribal engagement
3. MOA issues
4. Local control/management clarification
5. NextGen 911 Integration
6. Federal impacts- Access to assets, NEPA, FAR, Users issues
7. Authentication process, data security
8. Coverage challenges - In building and rural
9. Requests for information to share with stakeholders



Workshops are just the start.

FirstNet will continue to meet with the states, tribes, territories and localities until we have the information we need to develop state network build-out plans.

Activities	When
Nationwide, Regional Workshops	May – June 2013
Individual State Meetings	Beginning June 2013
Data Gathering	Commencing with Phase 2 SLIGP Funds Release



- “No Surprises” approach to developing network build-out plans
- FirstNet will need to staff up as soon as possible for ongoing outreach
- Defining outreach strategy to engage with tribes
 - Kevin McGinnis role

What We Covered

VISION AND GUIDING PRINCIPLES

LEARNING FROM PUBLIC SAFETY

THE STATE & LOCAL CONSULTATION PROCESS

RESEARCH AND ANALYSIS

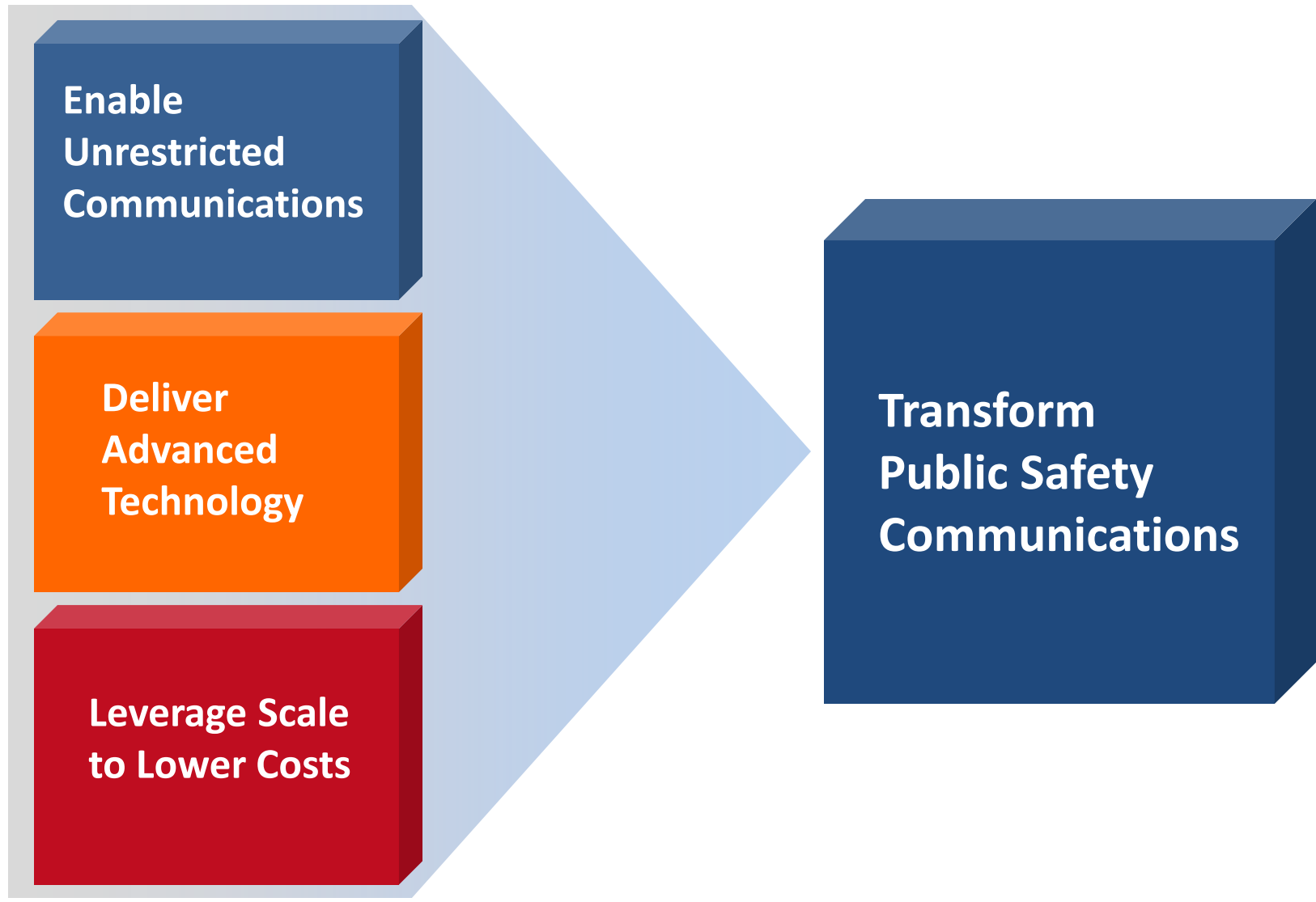
PROJECT PHASES

CLOSE



What is the vision of FirstNet?

FirstNet will provide tools that emergency responders need and deserve.



FirstNet will provide dedicated spectrum, a single technology and funding to create a nationwide network dedicated to public safety.



Public Safety Effectiveness

- Dynamic Priority Access
 - Force Multiplier

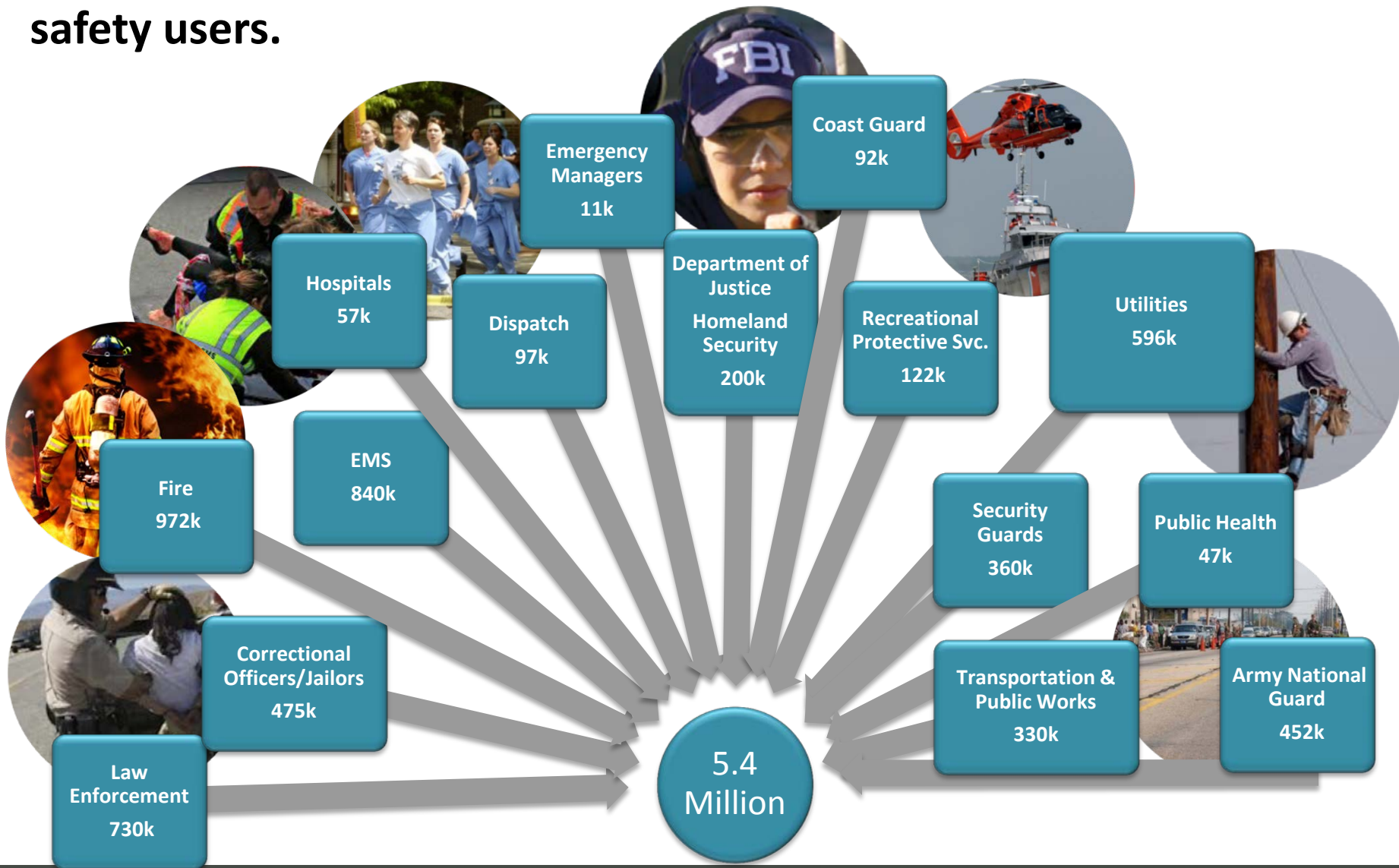
Public Safety Grade

- Reliable
- Hardened
- Redundant
- Security

Public Safety Applications

- 4G data for video and web
- Non mission-critical voice

FirstNet has the potential to support a broadly defined set of public safety users.



FirstNet Will Augment LMR



- Public safety will rely on LMR for mission-critical voice for many years
- FirstNet can be co-located on existing LMR infrastructure
- Sharing infrastructure will keep costs down and enhance coverage
- Our goal is to allow voice to pass between the two networks

What is the FirstNet business model?

Break even and build a self-sustaining network

- Fee for service
- Leverage value of the spectrum
- Reflect value of contributed assets and partnerships



“FirstNet intends to offer public safety grade services at a cost that’s compelling to users.”

— FirstNet Tenet

We set the record straight on several key topics.

PERCEPTION

REALITY



FirstNet will cost too much to build and operate.



FirstNet has substantial opportunities to partner to lower construction and operating costs.

States can use FirstNet spectrum to generate revenue.



Fees from the use of FirstNet spectrum must, by law, be reinvested to build, operate, maintain, and improve the network.

FirstNet has already begun designing the network.



FirstNet is in the research and analysis phase and must have input from states and territories to design the network.

FirstNet has a 400 page business plan.



FirstNet has been investigating what's possible to prepare for state consultation. We have several steps to complete, including the RFP process, before we have a business plan.

LEARNING FROM PUBLIC SAFETY

The Foundation of our Planning



Public Safety Input To Date: More than 1,300 Baseline Requirements



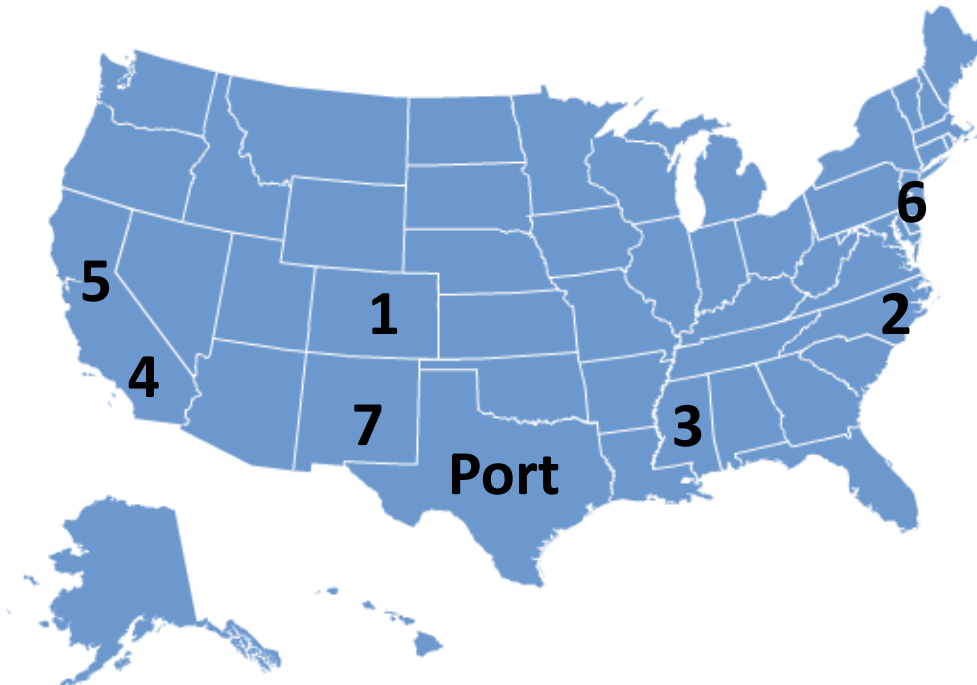
NPSTC Requirements	# of Req's
User Services	312
Network Services	209
Transport Requirements	154
System Design	66
User Equipment	60
Local Operations Support	157
Migration and Evolution	60
Governance	10
Policies and Procedures	94

FCC Minimum Interoperability Specifications	# of Req's
Requirements (Must)	46
Considerations (Should)	55
Interfaces (Architectural)	11
Recommended Interfaces Requirements	9

 **FirstNet** will:

- Build on the foundation of early work done by public safety groups
- Seek vendors who will meet or exceed these requirements
- Address the 375 requirements approved by the NPSTC Executive Committee
- Broaden the requirements to increase flexibility and decrease costs

FirstNet Pilot Projects* will provide broad learning opportunities.



* Seven current BTOP projects, and Texas

BTOP Grantees

1. Adams County, CO

2. Charlotte, NC

3. Mississippi

4. LA-RICS (Los Angeles)

5. Bay-RICS (San Francisco)

6. New Jersey

7. New Mexico

Ports

Harris County, TX

- International interference
 - Operational issues
 - Applications

Public Safety Advisory Committee (PSAC) activities



- 40+ member organization
- Executive Committee had a two-day briefing with FirstNet technical team in March
- Executive committee will meet monthly for updates with the General Manager
- Outreach for conferences
- Handling specific projects

STATE & LOCAL CONSULTATION PROCESS

Input and Requirements



Information and data needed.

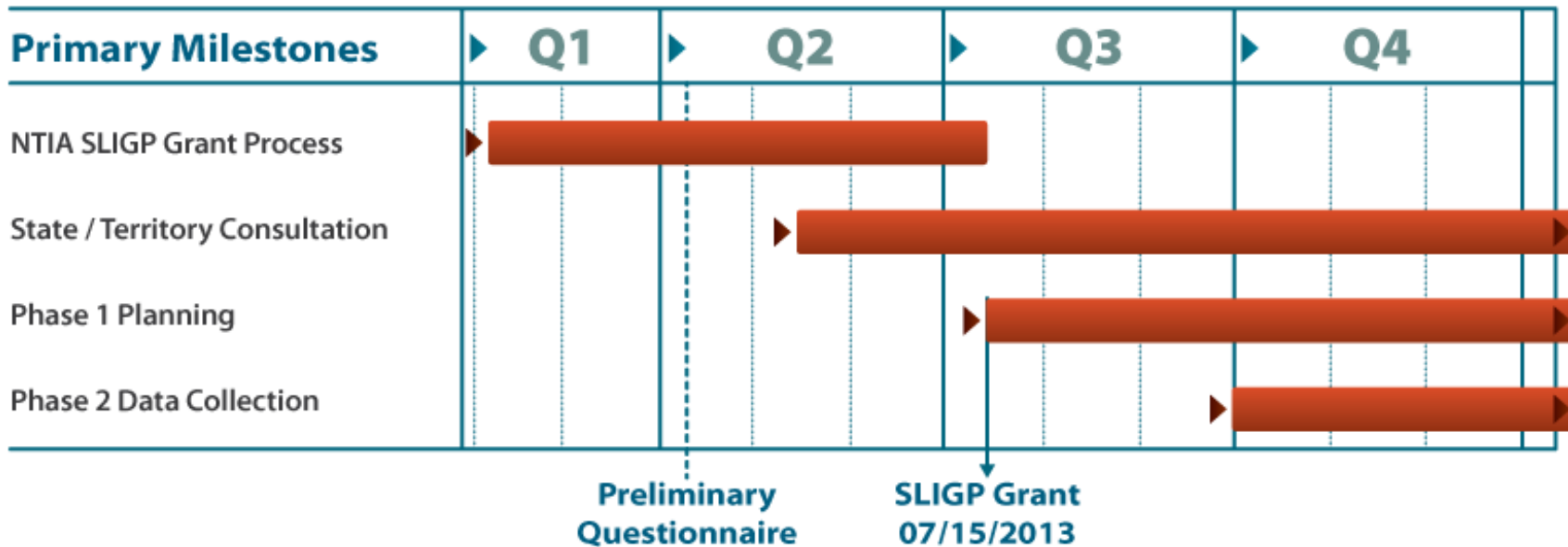
- **Only what's needed:** The data request will be structured to be as efficient as possible.
- **What is needed:** FirstNet requires input and requirements from state, local and tribal entities to prepare network plans for state review. Examples include:
 - Architecture of an evolved packet core and radio access network
 - Required coverage areas of the network
 - Hardening, security, reliability, and resiliency requirements
 - Assignment of priority users and selection of secondary users
 - Training needs
 - Availability of assets that may be utilized

Resources and help.

- **Funding:** State and Local Implementation Grant Program (SLIGP) funds will enable states to plan and collect data for the nationwide public safety broadband network.
- **Ability to preview the data elements:** FirstNet will share preliminary data needs with workshop participants for state feedback. The FirstNet team will use these consultations to finalize a full data request supporting the formal SLIGP effort.
- **Time to prepare:** FirstNet anticipates releasing the full data request sometime during the summer of 2013.
- **Additional tools and support:** DHS Office of Emergency Communications has planning tools and some previously collected data that states can choose to use upon request.

SLIGP Timeline (tentative)

2013



- The SLIGP program runs for three years. FirstNet anticipates a significant amount of data will be collected early in the process.
- SLIGP Phase 2 is tentatively scheduled to start shortly after Phase 1.

Seeking out scale economy advantages.

Balancing the need for input with the desire to make progress.

Following the requirements mandated by law that govern how we operate.

Operating with transparency without jeopardizing our ability to negotiate

Offering public safety-grade services at a cost that's compelling.

Listening to you and what your state needs.