



State and Territory Single Points of Contact (SPOC) Meeting

November 16, 2016 | Phoenix



Greeting and Meeting Logistics

Kenzie Capece
Senior Outreach Advisor



Welcome and FirstNet Updates

Mike Poth
Chief Executive Officer



State Plans Process and Meeting Objectives

Richard Reed
Chief Customer Officer



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prezi/?utm_campaign=share&utm_medium=copy](https://prezi.com/fsqe8me6xtdv/untitled-prezi/?utm_campaign=share&utm_medium=copy)



PSAC Update

**Chief (Ret.) Harlin McEwen,
PSAC Chairman**

**Tom Sorley
PSAC Vice Chairman**



PSAC Overview



43 members: public safety, local, state, tribal and federal organization representatives

- **4 meetings a year:** Twice in person and twice via webinar, along with additional meetings as a part of task teams and working groups
- **Task teams and working groups:** Established to provide specific input on select topics necessary to the successful buildout, operation and maintenance of the NPSBN
- **Executive Committee:** PSAC Chair and 4 Vice Chairs representing law enforcement, fire, EMS, state and local
 - **Chief Harlin McEwen** (Ret.), International Association of Chiefs of Police
 - **Tom Sorley**, U.S. Conference of Mayors
 - **Chief Niles Ford**, Metropolitan Fire Chiefs Association
 - **Paul Patrick**, National Association of State EMS Officials
 - **Jimmy Gianato**, National Governors Association

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PSAC Organizations



U.S. Customs and Border Protection



NASTD



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New PSAC members

- **Billy Freeman**
 - PSAC Organization: At-Large Fire Service
 - Lieutenant, Memphis (TN) Fire Department

- **Michael Gilmore**
 - PSAC Organization: U.S. Department of Justice (DOJ)
 - Supervisory Special Agent, Federal Bureau of Investigation (FBI)

- **Mark Grubb**
 - PSAC Organization : SAFECOM EC
 - Director, State of Delaware Division of Communications

- **Kraig E. Moise**
 - PSAC Organization: U.S. Department of Homeland Security (DHS)
 - Associate Chief, U.S. Customs and Border Protection (CBP)

- **Steve Smith**
 - PSAC Organization: Major Cities Chiefs Association (MCCA)
 - Commander, Los Angeles County (CA) Sheriffs' Department



User Profiles Task Team: Tasking and Membership

- **ADVISE** how FirstNet can establish profile templates to facilitate how a user influences the network
- **HELP SEAMLESSLY INTEGRATE** the processes that:
 - Register public safety users
 - Provision devices and users
 - Manage identities, credentials and attributes
- **DEVELOP A “DAY 1” PROFILE TEMPLATE** for each of the four primary public safety disciplines:
 - Law enforcement
 - Fire services
 - Emergency Medical Services (EMS)
 - Communications (9-1-1)

Task Team Members

Chris Lombard, Chair

Todd Early

Dan Eaton

Trey Forgety

Barry Fraser

Michael Gilmore

Mark Grubb

Brent Lee

Phil Mann

Harlin McEwen

Lloyd Mitchell

Paul Patrick

Charlie Sasser

Joe Sastre

Tom Sorley

John Sweeney



Federal Border Forum (SW)

Background

- Two-day event
- Held at the Bureau of Land Management's National Training Center (Phoenix)
- 45 attendees from nearly a dozen federal agencies along with several tribal representatives

Outcome

- Better understanding of coverage needs and federal acquisition processes
- Positive feedback from attendees



Federal Border Forum (SW)

Meeting highlights

- Panel presentation by Early Builders from Texas, LA-RICS and New Mexico
- Use case discussions focused on common challenges related to border operations and how FirstNet can help
- Scenario 1: Border Checkpoint Stop
- Scenario 2: Tactical Operation
- Scenario 3: Wildland Fire
- Presentation by **Harlin McEwen** on the PSAC and new Federal Working Group (FWG)
- Meeting among **Harlin McEwen**, FWG Chair **Mike Gilmore** and FWG Vice Chair **Kraig Moise** to discuss planning



Tribal Working Group (TWG)

- TWG met in September in Boulder to:
 - Identify tribal engagement challenges
 - Determine near- and long-term strategies for the coming year
- Goal: To ensure tribes are included in draft State Plans
- Key activities:
 - Meet individually with tribes and tribal associations to collect user and key infrastructure information on tribal land
 - Share information regarding the planning and development of FirstNet Network





**National Telecommunications and
Information Administration (NTIA),
Office of Public Safety
Communications (OPSC) Update**

FirstNet State Point of Contact (SPOC) Meeting

November 16th, 2016

Marsha MacBride

Deputy Associate Administrator, OPSC



OPSC Activities

Statutory oversight responsibilities include:

- State and Local Implementation Grant Program (SLIGP)
- Review and Approval of FirstNet Fees
- State Alternative Plan Program (SAPP)
- Next Generation 911 Grant Program

State Alternative Plan Program (SAPP) Background

The Act requires that FirstNet's NPSBN consist of a core network and a radio access network (RAN) that links to the core to ensure a single, interoperable nationwide network.

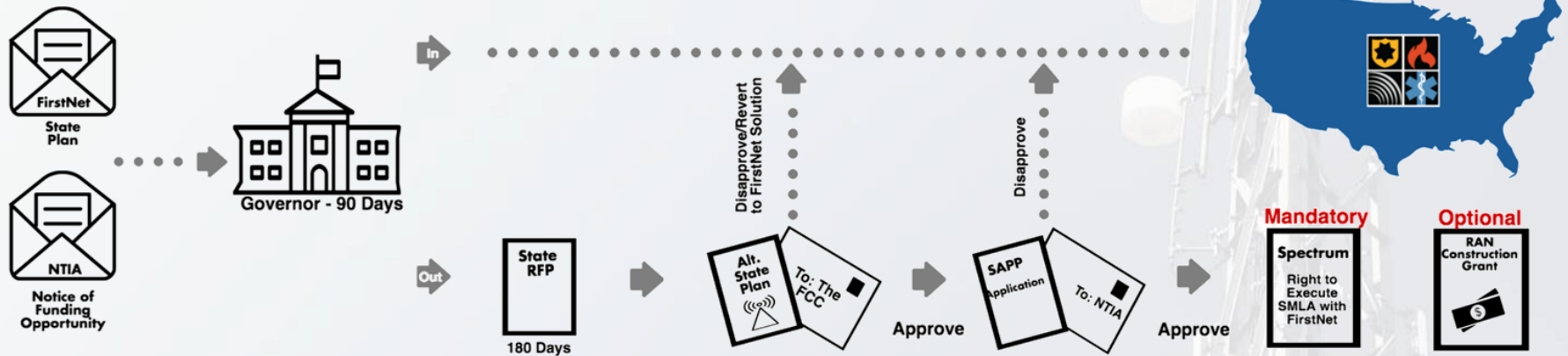


States and territories may decide to “opt-out” of FirstNet construction of the RAN in their state. If they opt-out, states accept responsibility to construct, operate, maintain, and improve their own RAN that still must connect to the FirstNet core.

To obtain mandatory spectrum capacity leasing rights and get an optional grant for RAN construction, a state must demonstrate to NTIA that it has the ability to build, operate, maintain, and improve a RAN that interoperates with the NPSBN.

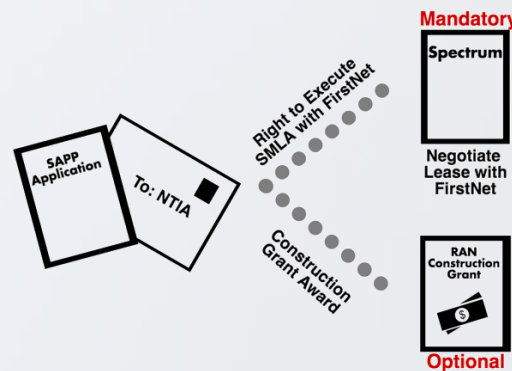


SAPP – Understanding The Process



SAPP – Understanding The Program

- SAPP is designed for states and territories that seek to construct, operate, maintain, and improve the RAN in their state.
- States **must** apply to NTIA for the right to execute a spectrum capacity lease with FirstNet and they **may** apply for a grant to go towards the cost of building the RAN.
- The same evaluation criteria will be used for both the right to execute a spectrum lease and a construction grant.



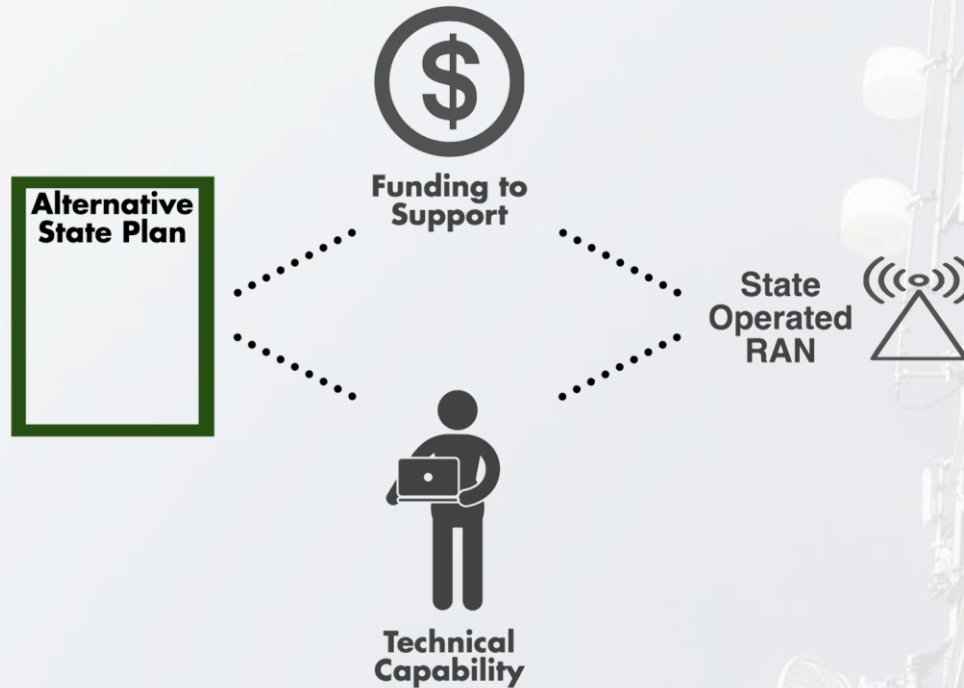
SAPP – The Public Notice

This July, NTIA released a Public Notice discussing the 5 statutory demonstrations a state must make to receive the authority to enter into a spectrum lease with FirstNet and the opportunity to receive grant funds to assist in RAN construction:

- The technical capabilities to operate, and the funding to support, the state radio access network;
- The ability to maintain ongoing interoperability with the nationwide public safety broadband network;
- The ability to complete the project within specified comparable timelines specific to the state;
- The cost-effectiveness of the state plan; and
- Comparable security, coverage, and quality of service to that of the nationwide public safety broadband network.

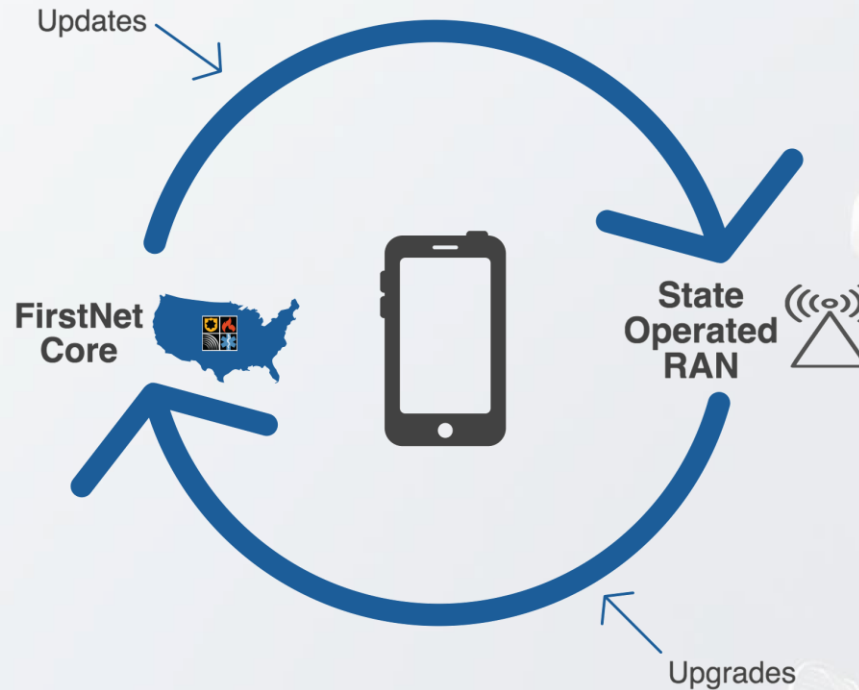
SAPP – Required Demonstration

The technical capabilities to operate, and the funding to support, the state radio access network



SAPP – Required Demonstration

The ability to maintain ongoing interoperability with the nationwide public safety broadband network



SAPP – Required Demonstration

The ability to complete the project within specified comparable timelines specific to the state



SAPP – Required Demonstration

The cost-effectiveness of the state plan

Inputs That May Be Considered:

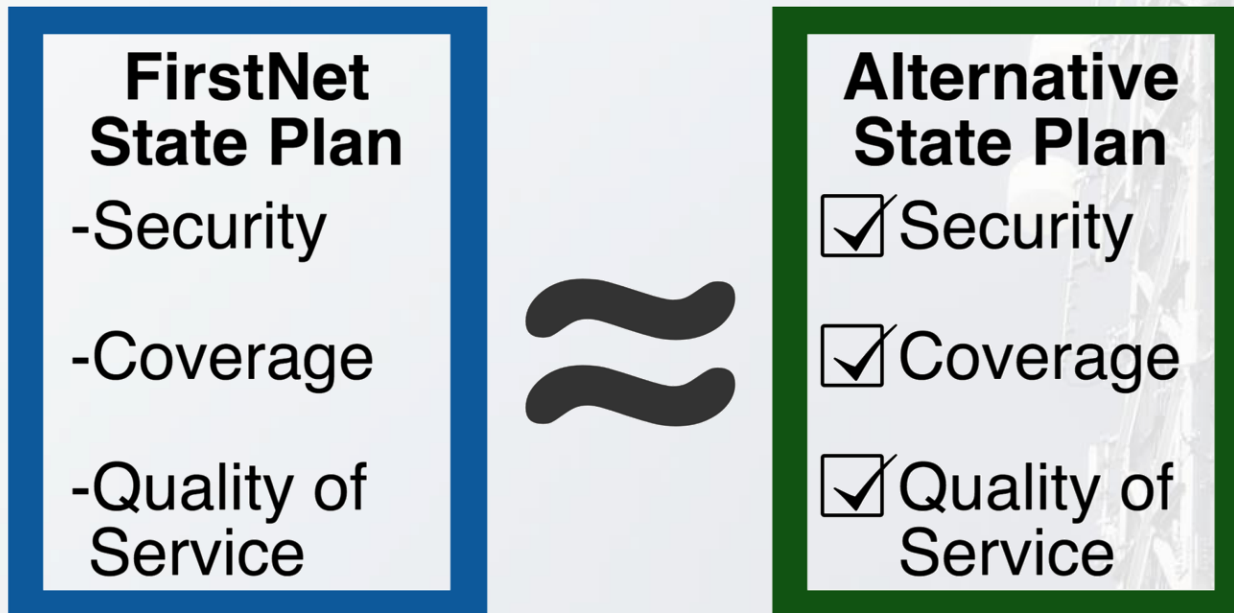
1. Spectrum Monetization
2. Business Plan
3. RAN Construction and Deployment Plans

NTIA Review

**Alternative
State Plan**

SAPP – Required Demonstration

Comparable security, coverage, and quality of service to that of FirstNet



Questions?

Marsha MacBride

Deputy Associate Administrator, OPSC

MMacBride@ntia.doc.gov



NTIA.DOC.GOV



@NTIAgov



Facebook.com/NTIAgov





State and Local Implementation Grant Program (SLIGP) Update

FirstNet Single Point of Contact (SPOC) Meeting

November 16, 2016

Mike Dame
SLIGP Director
Office of Public Safety Communications (OPSC)
NTIA

Overview

CURRENT STATE

40%

of the total
awarded amount
could remain
unspent.

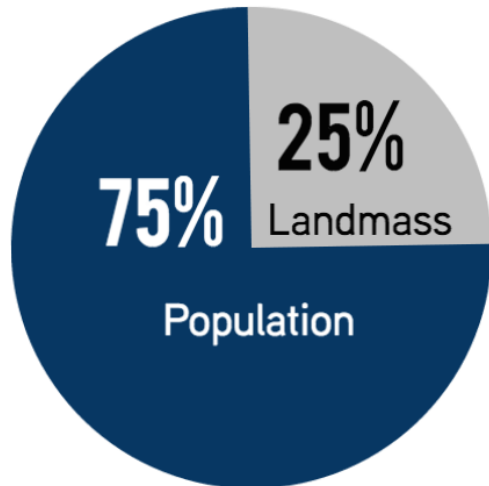
State and Local Implementation Grant Program (SLIGP) recipients have not expended funds as quickly as expected. NTIA expects that approximately \$45-47 million will remain unspent at the end of the period of performance in February 2018.

NTIA intends to **award SLIGP 2.0 grants** that will **leverage SLIGP unspent balances** to **support activities** in states where FirstNet is deploying the Radio Access Network (RAN), subject to the availability of funding.

Background

The following factors contributed to the potentially large unspent balance:

SLIGP GRANT FORMULA



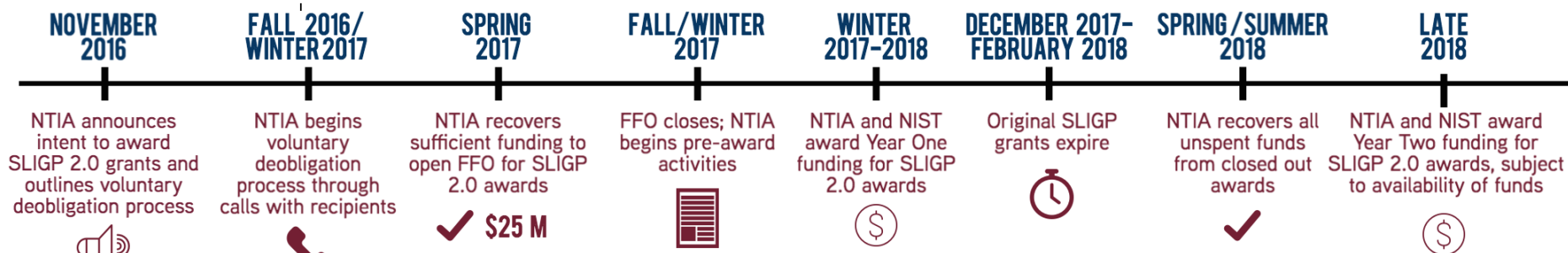
OTHER FACTORS

- ✓ Some recipients noted difficulties expending grant funds in light of current allowable activities.
- ✓ NTIA anticipated that data collection would be a more extensive activity than actually needed in 2015 and 2016.

*NTIA anticipates slightly more than 20% of SLIGP recipients will spend all of the grant funds by the end date.

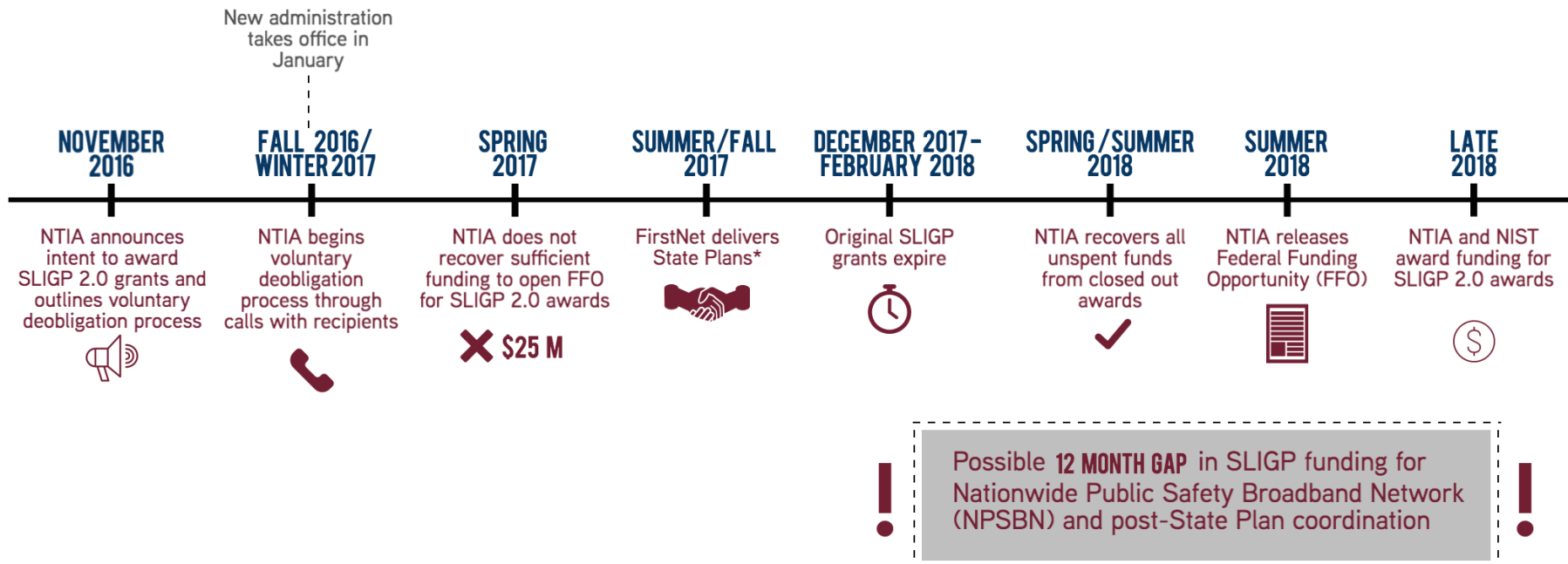
Potential Scenario 1: NTIA Voluntarily Recovers Sufficient Funds

New administration
takes office in
January



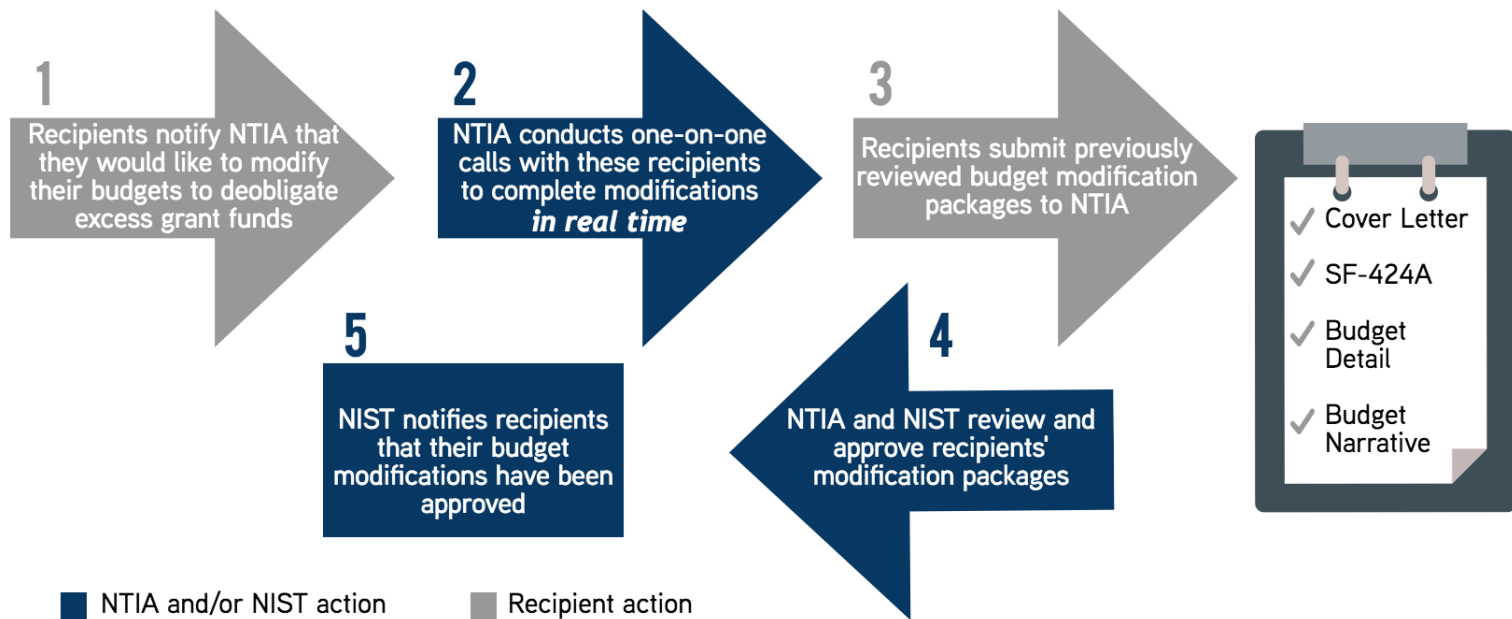
ORIGINAL SLIGP	SLIGP 2.0
<p>! All funds (Phase 1 and Phase 2) obligated simultaneously for the entire period of performance</p>	<p>! Multi-year funding (Year 1 obligated Fall/Winter 2017; Year 2 obligated subject to availability of funding in Fall/Winter 2018)</p>

Potential Scenario 2: NTIA Does Not Voluntarily Recover Sufficient Funds



*According to notional timeline discussed during FirstNet Governing Board meeting

Budget Modification Process



Questions

NTIA will hold breakout sessions on the voluntary budget modification process today at 1:30pm and tomorrow at 9:00am. NTIA will also have a table in the “Conversation Room” and will be available to answer more questions at that time.

Frequently Asked Questions (FAQs)

- Who will be eligible for a SLIGP 2.0 award?
- If I deobligate projected excess funds, will I get those funds back in a SLIGP 2.0 award?
- If I deobligate funds and apply, will I be guaranteed a SLIGP 2.0 award?
- What happens if NTIA does not recover enough money to make SLIGP 2.0 awards?
- How will the presidential election affect SLIGP 2.0 awards?
- Why isn't NTIA just extending current SLIGP grants?
- What will the allowable costs be for SLIGP 2.0 grants?

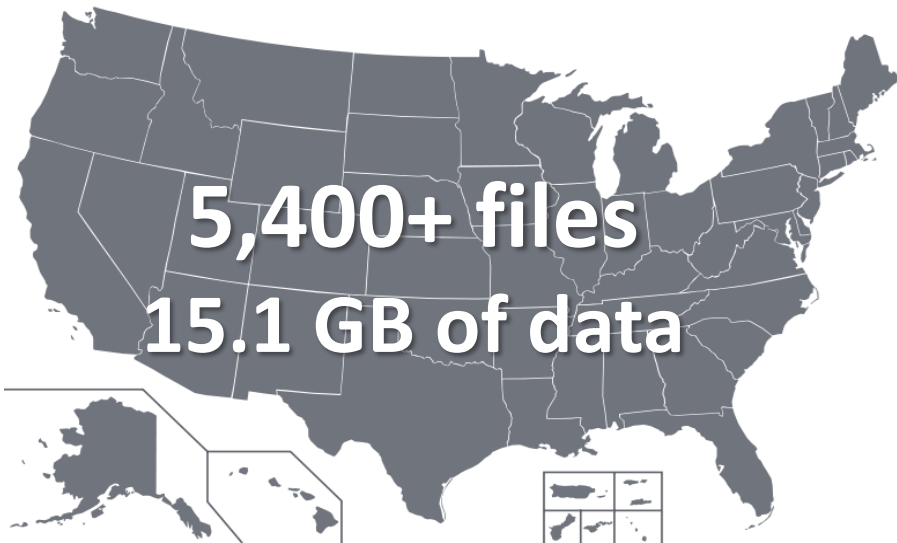


Second Data Collection, State Plans Portal and Key Considerations

**Brian Hobson | Acting Director, State Plans
Jeremy Zollo | Deputy Director, Consultation
Karlin Younger | State Plans
Andrew Delaney | Government Affairs**



Nationwide Data Submission Summary - 2015



54 States and Territories

7 Federal Agencies

11,600+ PSEs surveyed

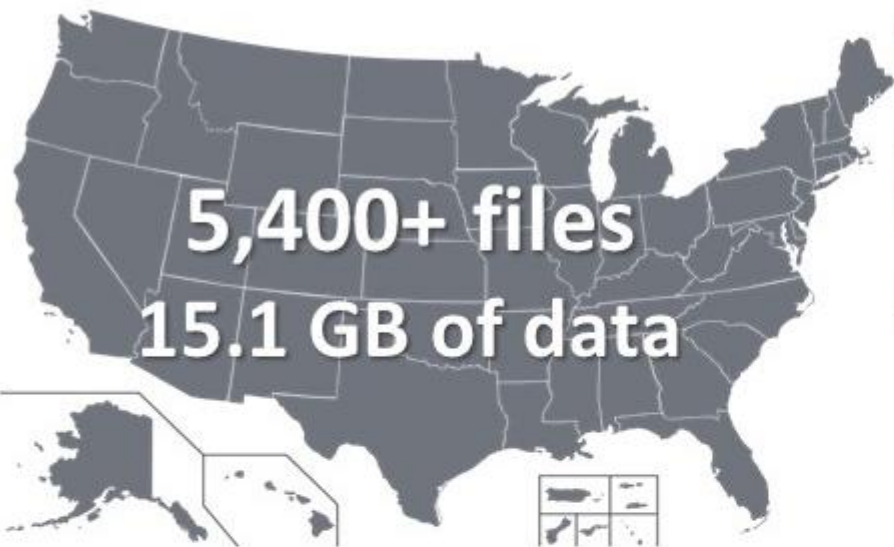
1.6m+ Personnel represented



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Nationwide Data Collection Summary



54 States and Territories

7 Federal Agencies

11,600+ PSEs surveyed

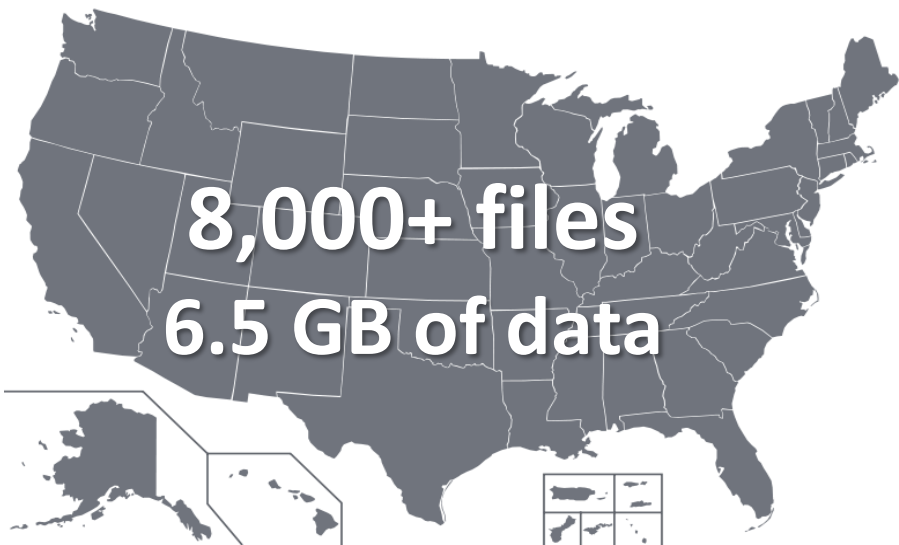
1.6m+ Personnel represented



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Nationwide Data Submission Summary - 2016



31 States and Territories

1500+ PSEs surveyed

180k+ Personnel represented



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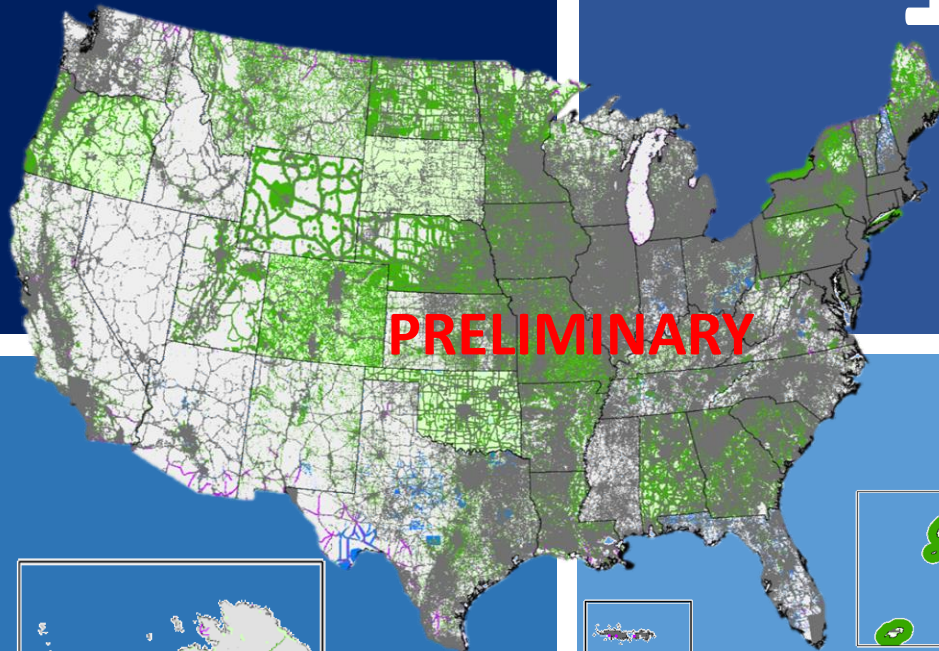
Nationwide Data Submission Summary - Total

55

States and
Territories

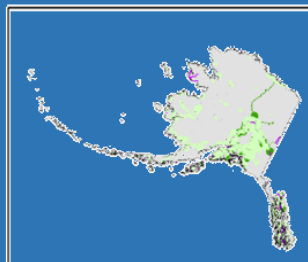
12,300+

PSEs
Surveyed



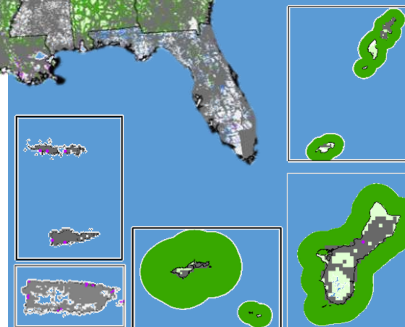
21.6

GB of
Data



1.75m

Personnel
Represented

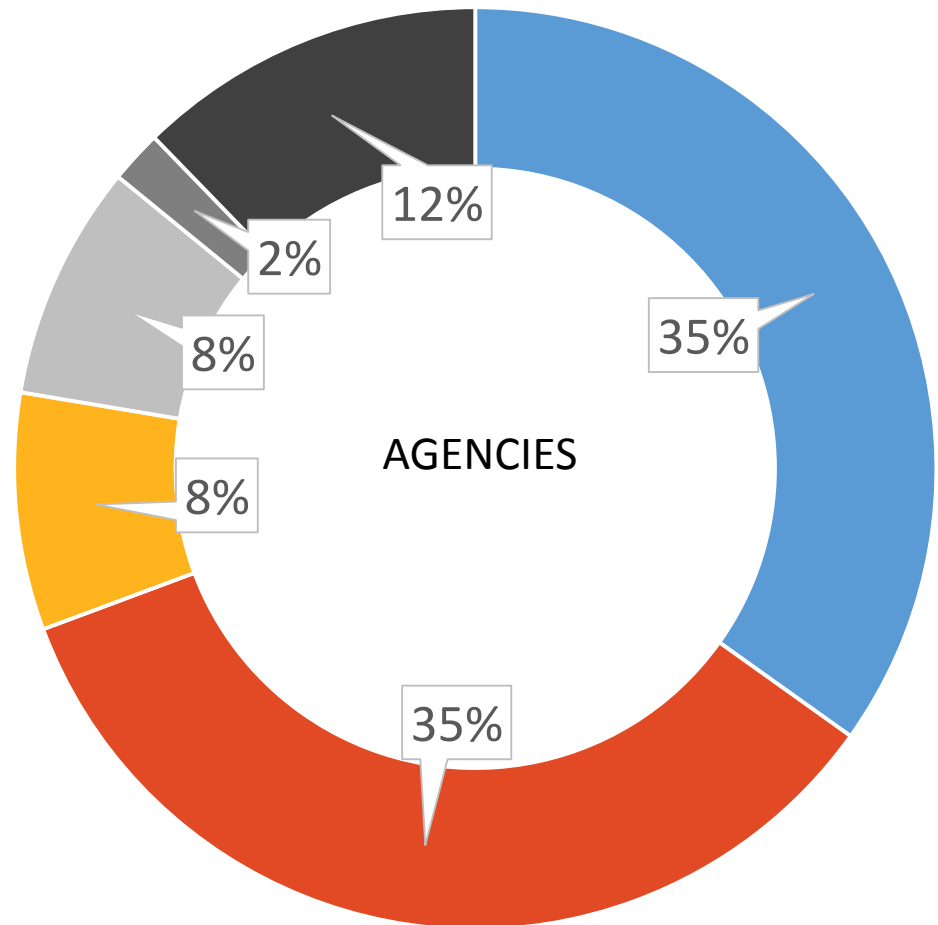


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Survey Breakdown by Discipline

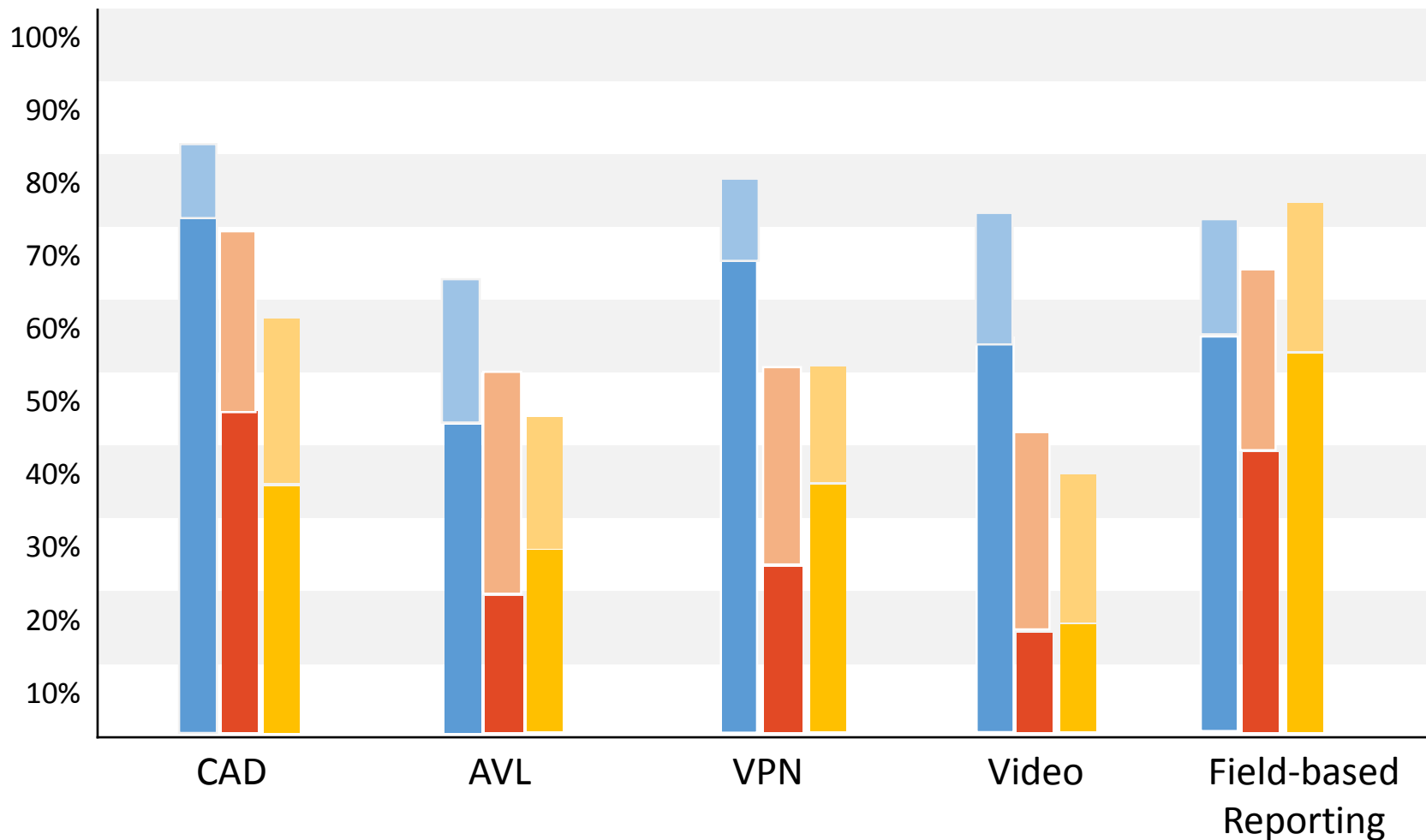
- Law Enforcement
590,414
- Fire Service
246,167
- EMS
67,288
- Emergency Mgmt
65,696
- Public Health/Med
150,399
- Other Allied Services
627,406



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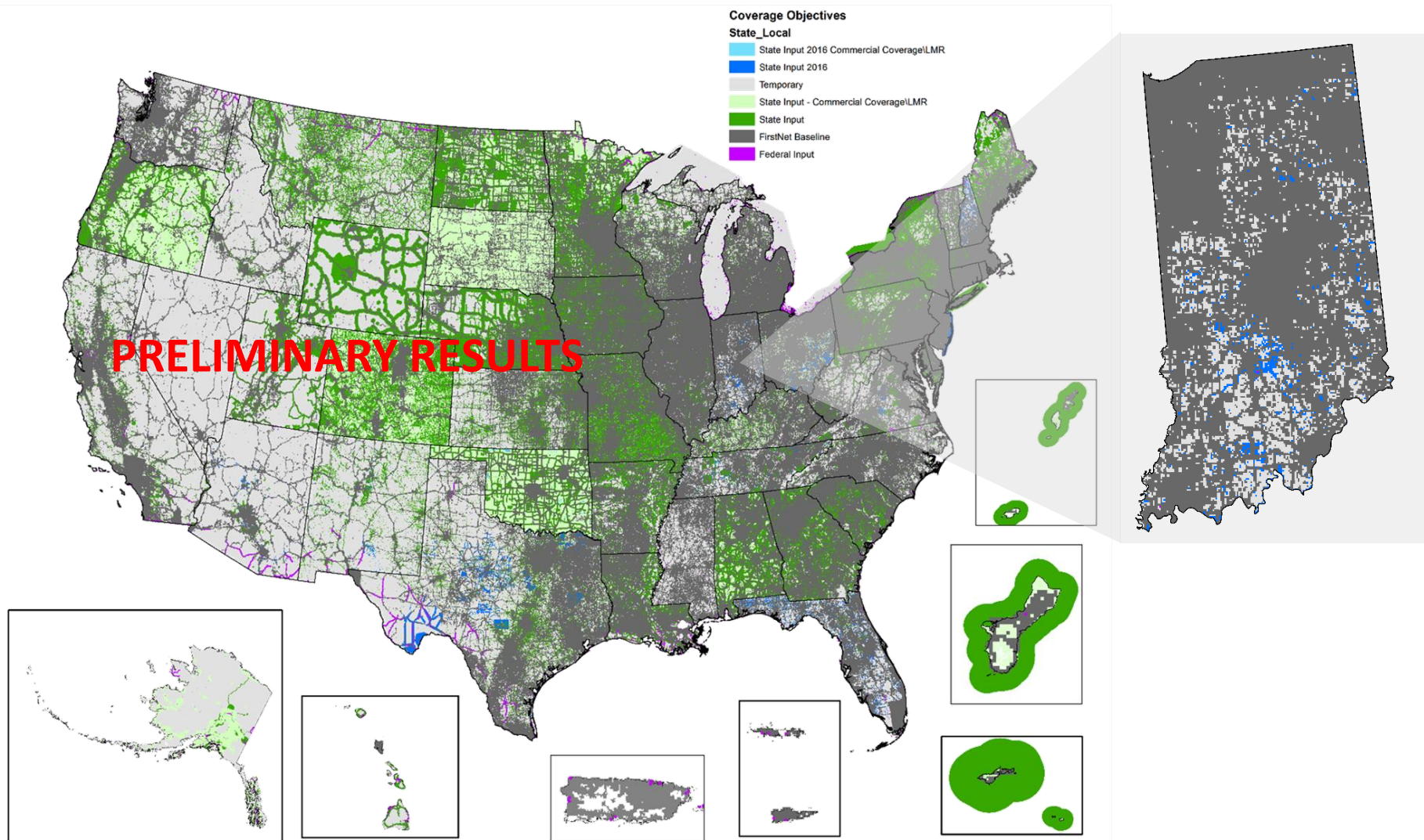


Application Usage by Discipline





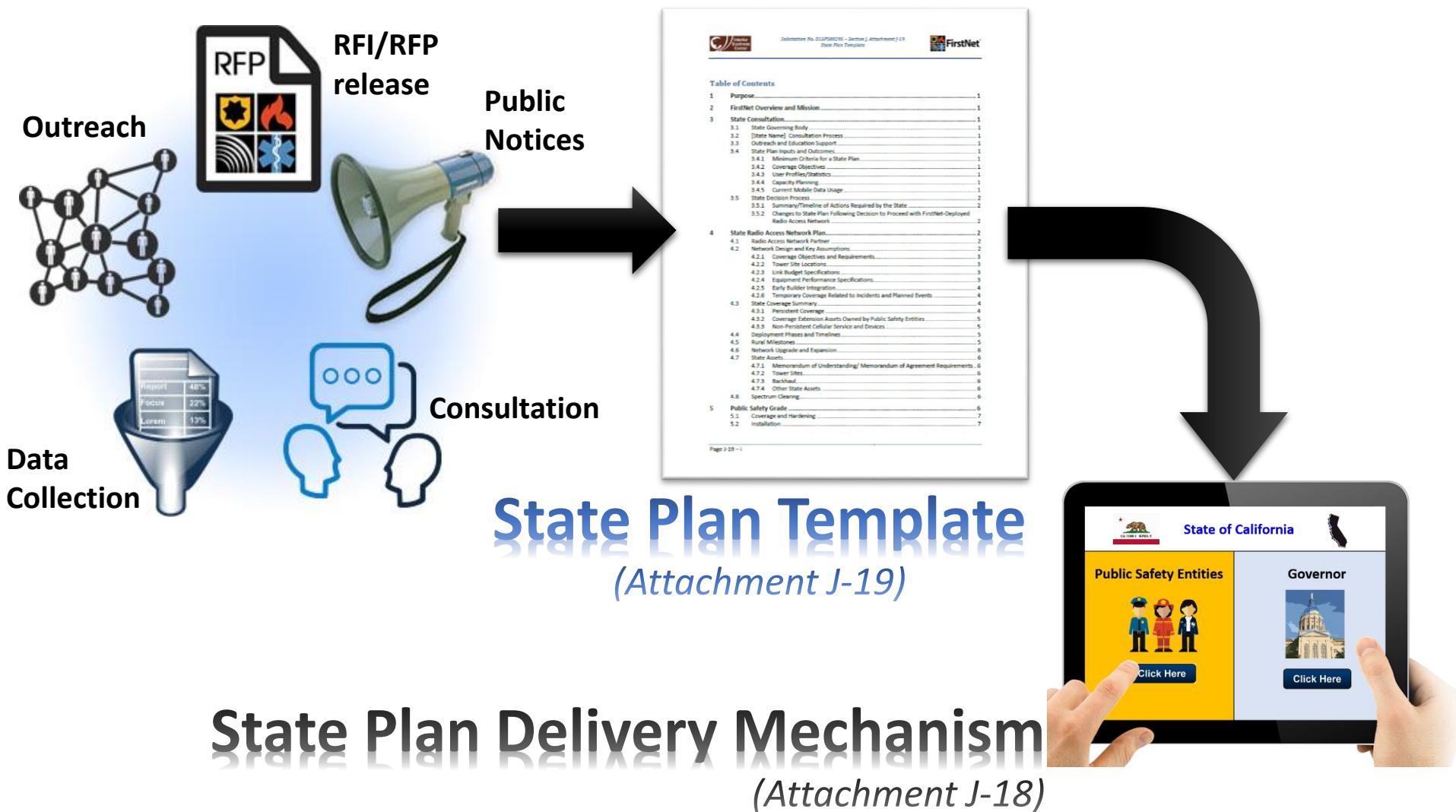
Combined Coverage Objectives



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State Plan – Template & Delivery





Governor's Portal Site Map



FIRSTNET VALUE PROPOSITION



SERVICE PLANS
& PROCUREMENT



COVERAGE



DEVICES
& BYOD



BASIC
SERVICES



TRUE PRIORITY
(QPP)



ICAM



FIRSTNET
APP STORE



LOCAL
CONTROL



PSE
HOMEPAGE



APP
DEVELOPMENT



HOSTING &
CLOUD
SERVICES



IN-BUILDING
SOLUTIONS



DEPLOYABLES



TRAINING



CUSTOMER
CARE



CYBERSECURITY

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Governor's Portal Site Map



FirstNet™

Public Safety Entity
Portal Homepage

State/Territory
Portal Homepage

Landing Page
Landing Page

- Value Proposition - Governor's Team
- Executive Summary

FirstNet Background Consultation Overview

1.1 State/Territory Plans Background

1.2 Acquisition Background

2.1 State Inputs

2.2 State Consultation

2.3 Nationwide Engagement

FIRSTNET VALUE PROPOSITION



Public Safety Entities



Click Here

Network Policies State of California

- Network and Service Operations
- Operational Support Guidelines

4.2.1 Network

(Process Mode)

5.1 Account Guided

5.2 Opt-Out

Governor



Click Here

FOR PLANNING PURPOSES ONLY – FINAL PORTAL WILL CHANGE

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Governor's Portal Sitemap_111016b.vsdm



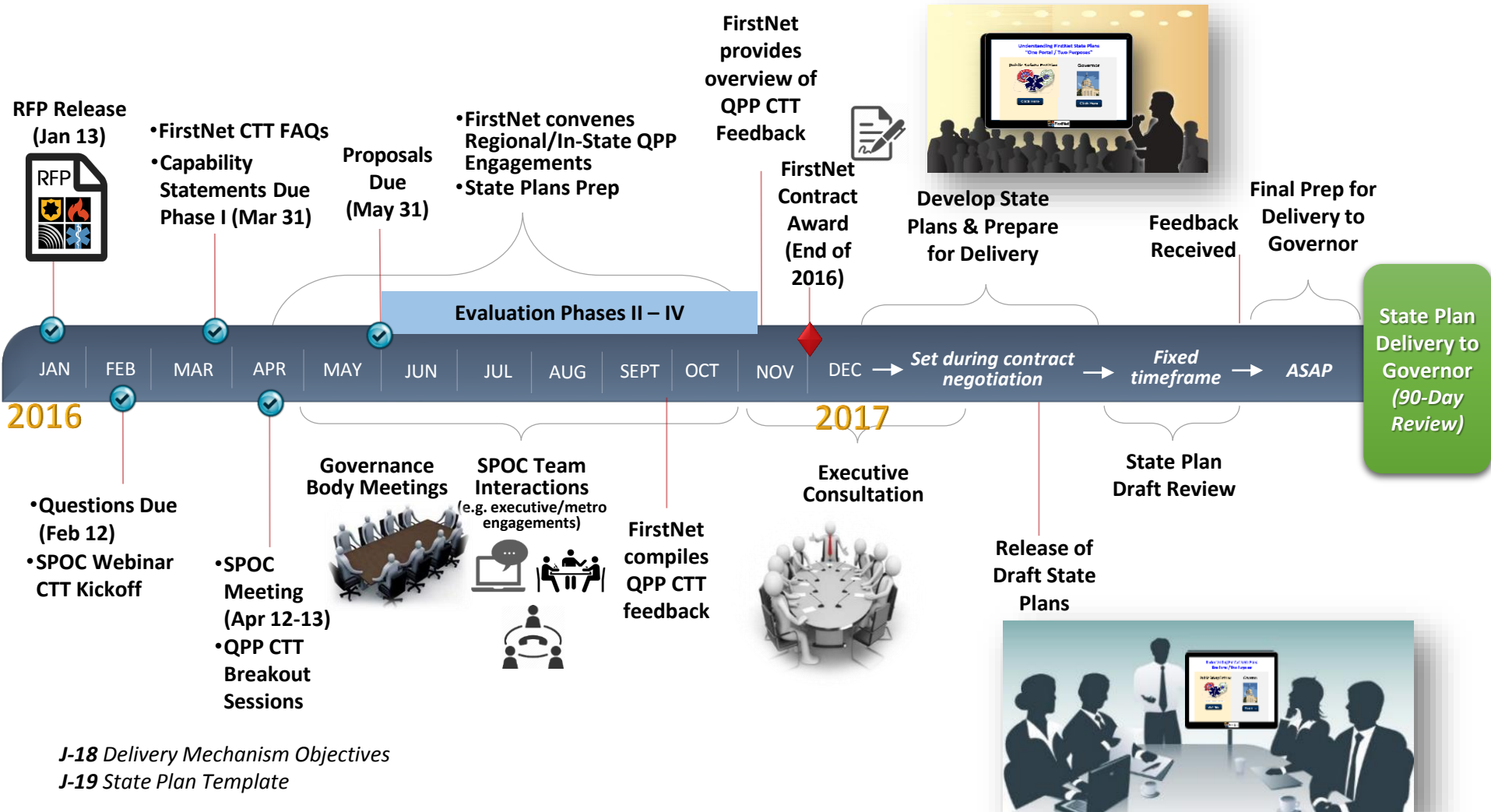
Governor's Portal Personas

- **SPOC / Governance Body**
- **Governor**
- **Governor's Staff** (Chief of Staff, Policy Advisors, Legal Counsel, etc.)
- **State Chief Operations/Administration**
- **State Chief Information Officer** (CIO)
- **State Public Safety/Homeland Security Director**
- **State Budget Officer**
- **State Attorney General**
- **State Officials – Other** (Head/Directors of State Agencies)
- **Local Executives** (Police and Fire Chiefs, Mayors, Public Safety Leaders, etc.)
- **Technical/Security Reviewer** (Public Safety tech. experts, consultants, etc.)
- **Tribal Leader**





FirstNet State Plans Timeline



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Consultation and Government Affairs Update

- Jeremy Zollo
- Andrew Delaney



2017 Goals

Continue and expand our consultation with each State / Territory to:



Prepare States
for delivery of
State Plan



Prepare users
for network
adoption



2017 Consultation Goals Directly Inform the State Plan

Consultation Team

- Understand the **People** who are important to the process
- Discuss the State Plan **Process**
 - Access considerations
 - Portal content
- Identify, understand, and validate States' **Priorities:**
 - Business factors
 - Public safety needs

State Plans Team



Develop value propositions and capabilities specific to each State

State's Continue to Influence the State Plan in 2017



Informed Value Proposition



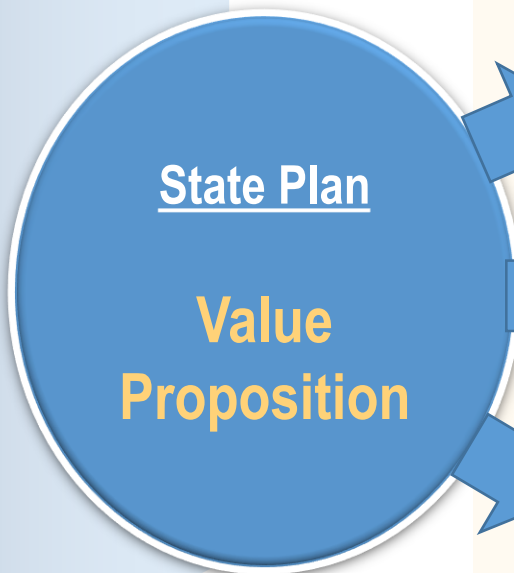
Governance
Body Meetings



SPOC Team
Interaction



Public Safety
Meetings



Governance
Body

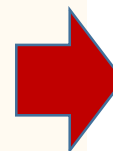


SPOC Team



Public Safety

CIO;
Attorney General;
Budget Director;
Procurement Officer;
Administrative Officer;
Policy Advisor;
General Counsel;
Chief of Staff



Governor

Consultants

Vendors

Lobbyists

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Example Considerations

Economic Risk



**Statewide
Integration**



**Policy /
Politics**



**Business
Factors**



Commitment / Terms

Coverage



Rural



BYOD



**Public Safety
Needs**



Security

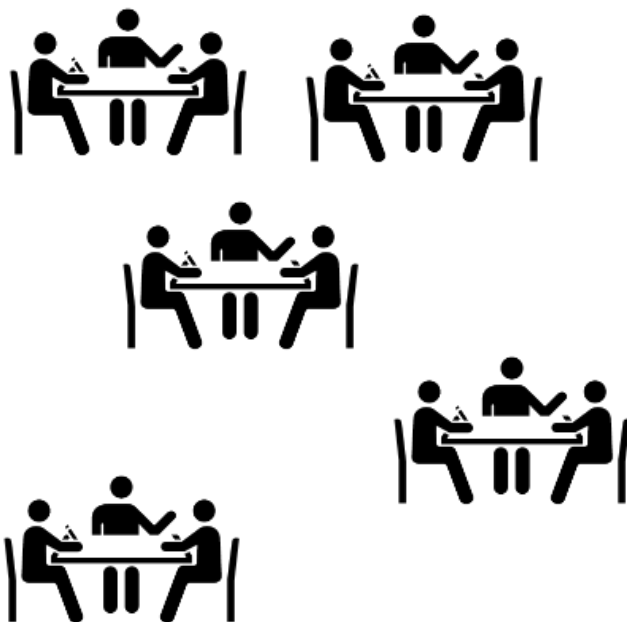
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SPOC Meeting Logistics



**Individual State Consultation
Sessions – 30 minute meetings
(Palo Verde 2)**



**FirstNet Conversations and
Micro Presentations (Painted
Mountain Ballroom)**



Conversation Room | Wednesday, Nov. 16 | 1:30 – 4:30 p.m.
FirstNet Fall 2016 SPOC Meeting (Regions 1-5)

Welcome to our Fall 2016 SPOC Meeting Conversation Room! We're excited to have a space for you to focus on information and discussions of interest to you – with FirstNet and with each other. In the room, we have subject-matter interest tables in the following areas:

- FirstNet Chief Technology Office
- FirstNet Federal and Tribal Consultation
- FirstNet NEPA
- FirstNet Communications
- FirstNet Government Affairs
- FirstNet Senior Advisors
- NTIA

We'll also have micro-presentations – 5-10 minute information sessions – through the day. See the schedules below.

MICROPRESENTATION SCHEDULE		CONSULTATION MEETINGS (PALO VERDE 3 ROOM)	
1:30 p.m.	Welcome and Opening of the Conversation Room Bill Schrier	1:30 p.m.	New York, Pennsylvania, New Hampshire and Maine
2:05 p.m.	Presentation 1: FirstNet Chief Technology Office Jeff Bratcher	2:00 p.m.	New Jersey, Connecticut, Rhode Island and Massachusetts
2:35 p.m.	Presentation 2: QPP CTT Jen Harder, Doug Harder	2:30 p.m.	Michigan, Illinois, Ohio and Minnesota
3:05 p.m.	Presentation 3: Federal and Tribal Consultation Margaret Muir, Charlotte Whitacre	3:00 p.m.	Wisconsin, Indiana, Virginia, Puerto Rico and Tennessee
3:35 p.m.	Presentation 4: Communicating FirstNet April Ward	3:30 p.m.	Maryland, DC, Georgia, Florida and Kentucky
4:15 p.m.	Finish conversations; gather for closing remarks	4:00 p.m.	West Virginia, Delaware, Alabama, North Carolina and U.S. Virgin Islands
4:30 p.m.	Conversation Room session concludes		

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Conversation Room | Thursday, Nov. 17 | 9 a.m. - noon
FirstNet Fall 2016 SPOC Meeting (Regions 6-10)

Welcome to our Fall 2016 SPOC Meeting Conversation Room! We're excited to have a space for you to focus on information and discussions of interest to you – with FirstNet and with each other. In the room, we have subject-matter interest tables in the following areas:

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MICROPRESENTATION SCHEDULE		CONSULTATION MEETINGS (PALO VERDE 3 ROOM)	
9:00 a.m.	Welcome and Opening of the Conversation Room Bill Schrier	9:00 a.m.	Nevada, Montana, Hawaii and Wyoming
9:35 a.m.	Presentation 1: FirstNet Chief Technology Office Jeff Bratcher	9:30 a.m.	South Dakota, Utah, California and Guam/CHMI/American Samoa
10:05 a.m.	Presentation 2: QPP CTT Doug Harder	10:00 a.m.	Colorado, North Dakota, Arizona and Idaho
10:35 a.m.	Presentation 3: Federal and Tribal Consultation Margaret Muir, Charlotte Whitacre	10:30 a.m.	Oklahoma, New Mexico, Oregon and Washington
11:05 a.m.	Presentation 4: Communicating FirstNet April Ward	11:00 a.m.	Arkansas, Texas, Nebraska and Iowa
11:35 a.m.	Finish conversations; gather for closing remarks	11:30 a.m.	Louisiana, Kansas and Missouri
Noon	Conversation Room session concludes		

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FirstNet 2016
Fall SPOC Conference
Nov. 16 – 17, 2016 | Phoenix



Welcome to the Conversation

Bill Schrier | speaker



FirstNet Chief Technology Office

Jeff Bratcher | Speaker



FirstNet Innovation and Test Lab

- Opening ceremony held Nov. 9, Boulder
- State-of-the-art, plug-and-play facility
- Providing:
 - Technology validation
 - Automated testing
 - Innovation
 - Speed to solutions
 - Collaboration and knowledge-sharing
 - Learning and training





Built to the highest standards

- Designed with TIA standards in mind
- Dedicated electrical power and network connectivity needed to stage equipment and begin test execution as soon as possible
- Includes specialized equipment for wireless communications testing
 - RF-shielded paint
 - Metal doors and RF-shielded window film to minimize interference from outside
 - RF quiet room (“Faraday Cage”) for device testing
 - Battery backup and a generator to maintain power





Ready to get started

- Delivered on time and under budget
- Will get next-gen tools to public safety quickly – at level of quality, reliability it deserves





Quality of Service, Priority and Preemption (QPP) Consultation Task Teams (CTTs) Summary Report

Jen Harder and Doug Harder



FirstNet Conceptual QPP Framework

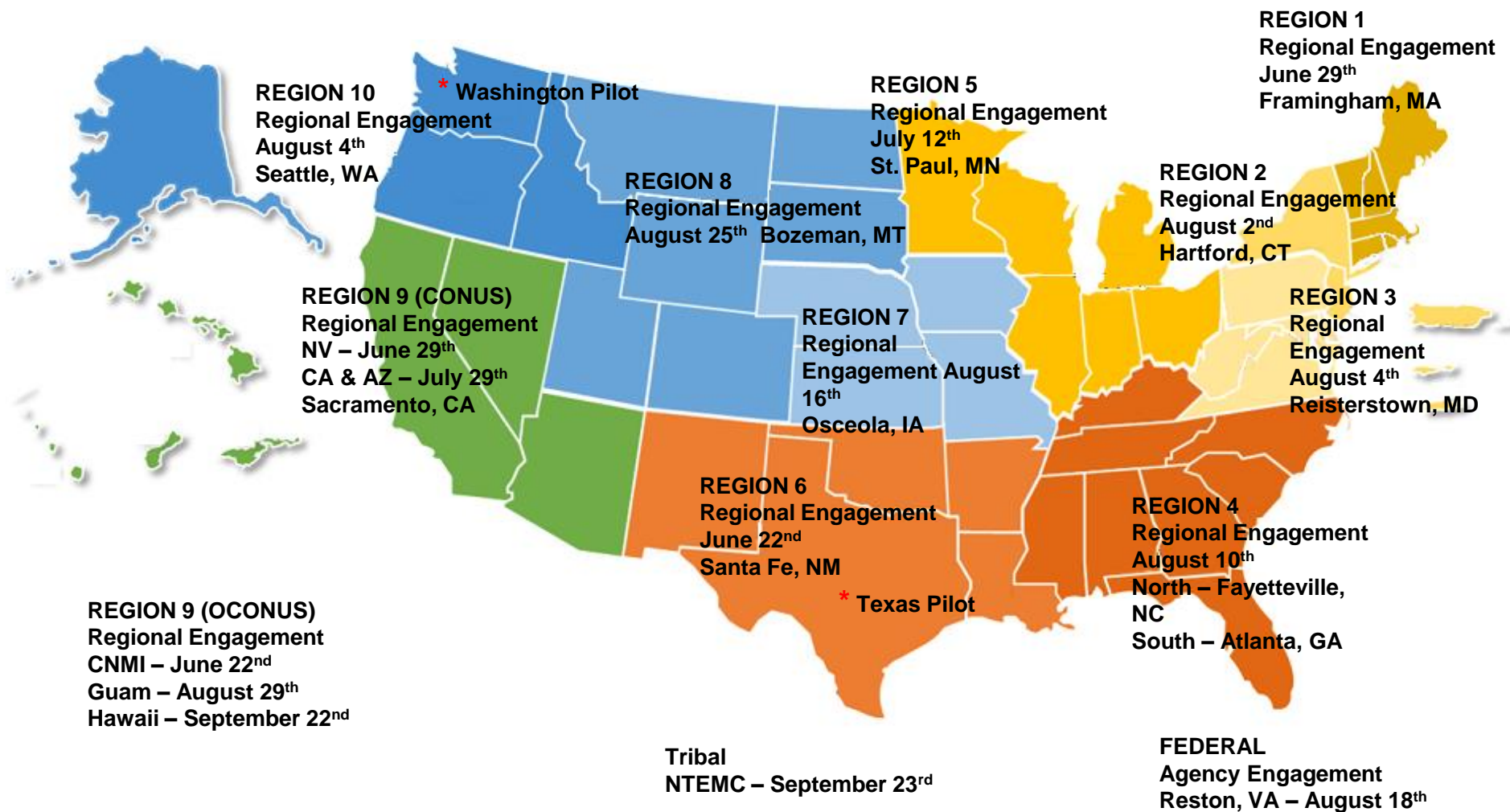
“Having a reliable network in emergency situations will enhance organizational efficiency and effectiveness, and increase safety for first responders and the public.”

-- QPP Regional Engagement Participant





QPP CTT engagements





QPP CTT participants

- 373 stakeholders participated in the CTT engagements
- Online feedback form received 110 responses

REGION	RESPONSES	DISCIPLINE	RESPONSES	PERCENT
Region 1	8	Multi-Disciplines	34	30%
Region 2	0	Public Safety Comm	20	18%
Region 3	8	Emergency Mgmt	15	17%
Region 4 South	1	Law Enforcement	11	12%
Region 4 North	5	Other Government	11	8%
Region 5	15	Public Admin/Support Svc	6	5%
Region 6	19	Fire Service	5	5%
Region 7	6	EMS	2	2%
Region 8	6	Specialized Law Enforcement	2	2%
Region 9 CONUS	2	Courts/Corrections	1	1%
Region 9 OCONUS	19	Nat'l Security	1	1%
Region 10	14	Other Non-specified	1	1%
Federal	11	Public	1	1%
		Utilities/Infrastructure	1	1%
		Total	110	100%



Stakeholder input

“

Through proper implementation of triggers and thresholds, public safety should enjoy continuity in communications by allocating resources at the sector level in real time.

”

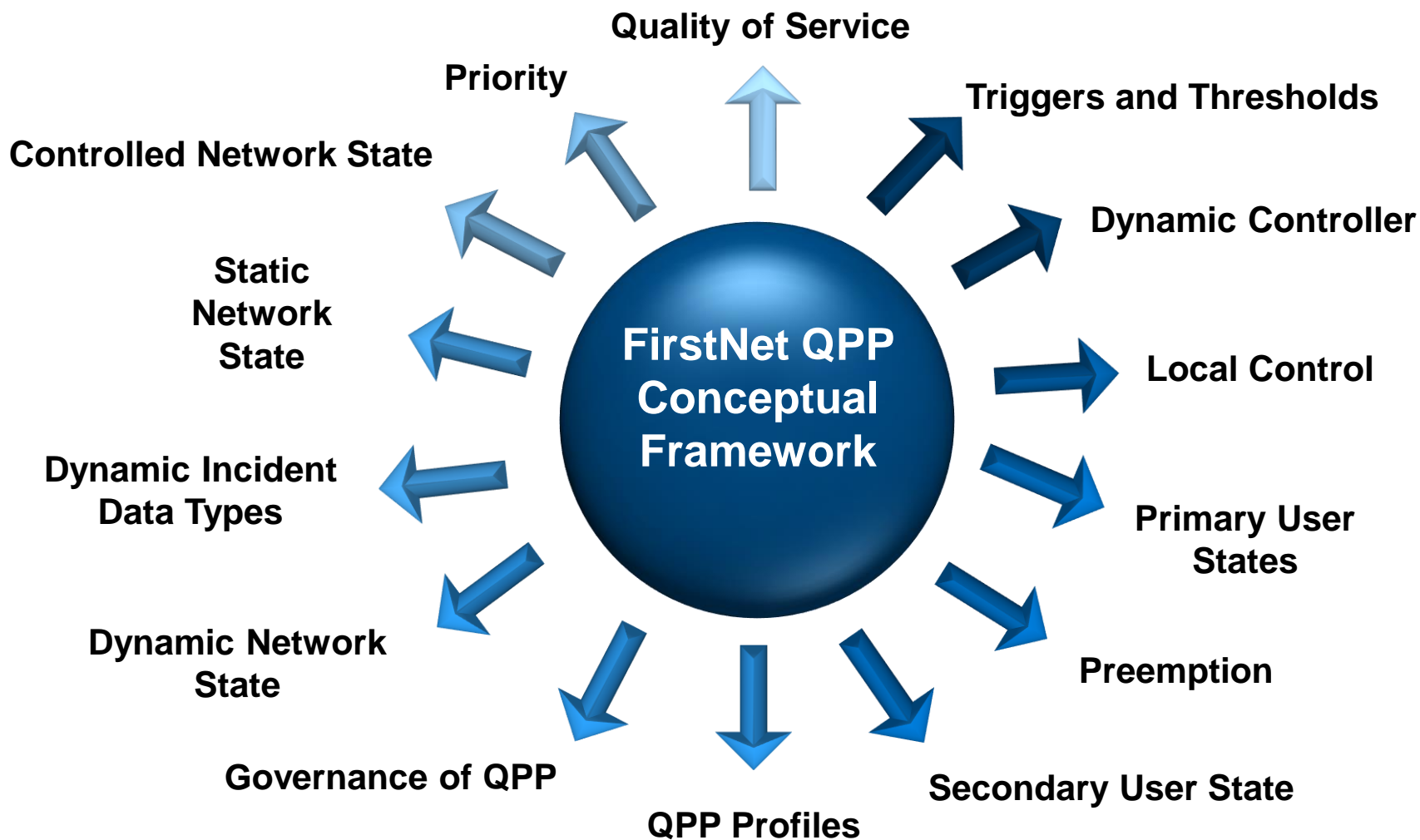
We need to know that the system is indeed in our hands to use it when needed and not wait around for someone else to grant us access. Time is precious and lives may be at stake.

”

FirstNet may be mostly in a static state, but the ability to detect and control changes in usage and reconfigure or reset itself to better meet those needs is a critical and differentiating element of the network.



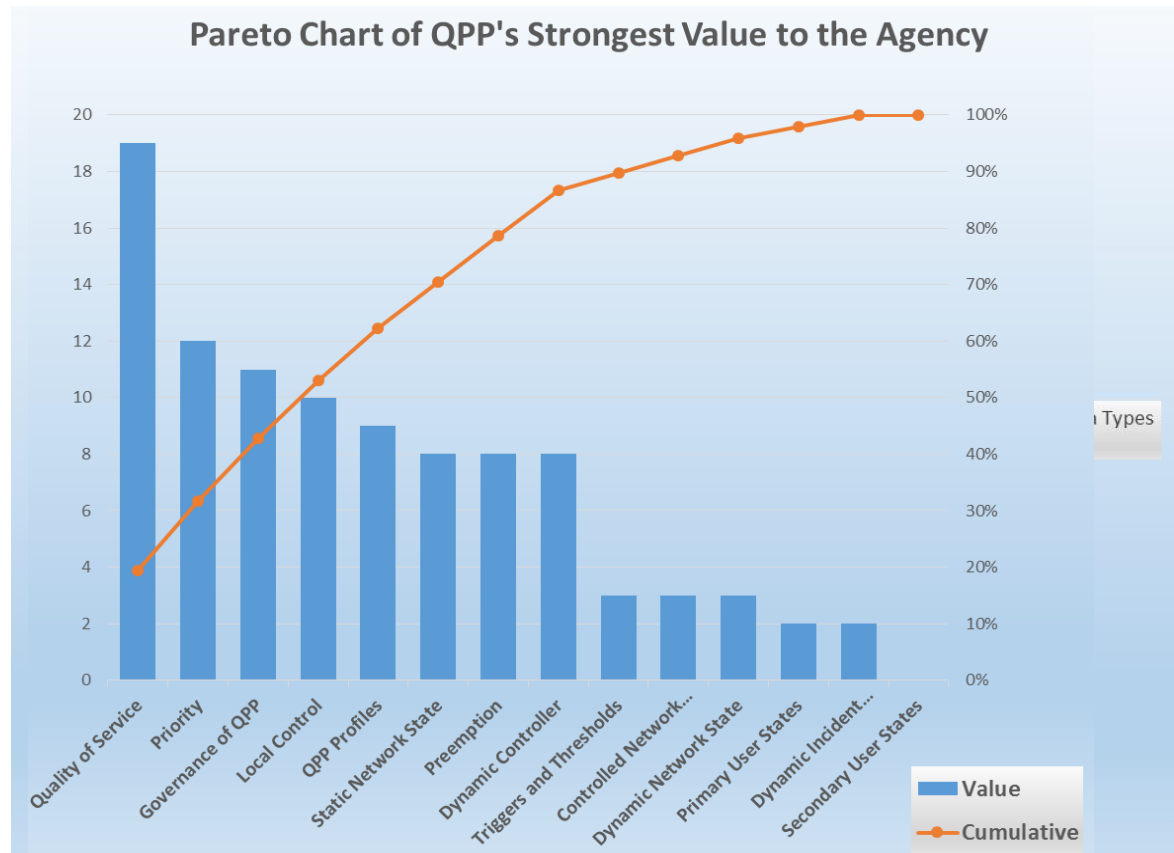
QPP CTT feedback findings





QPP CTT survey findings: Strongest value

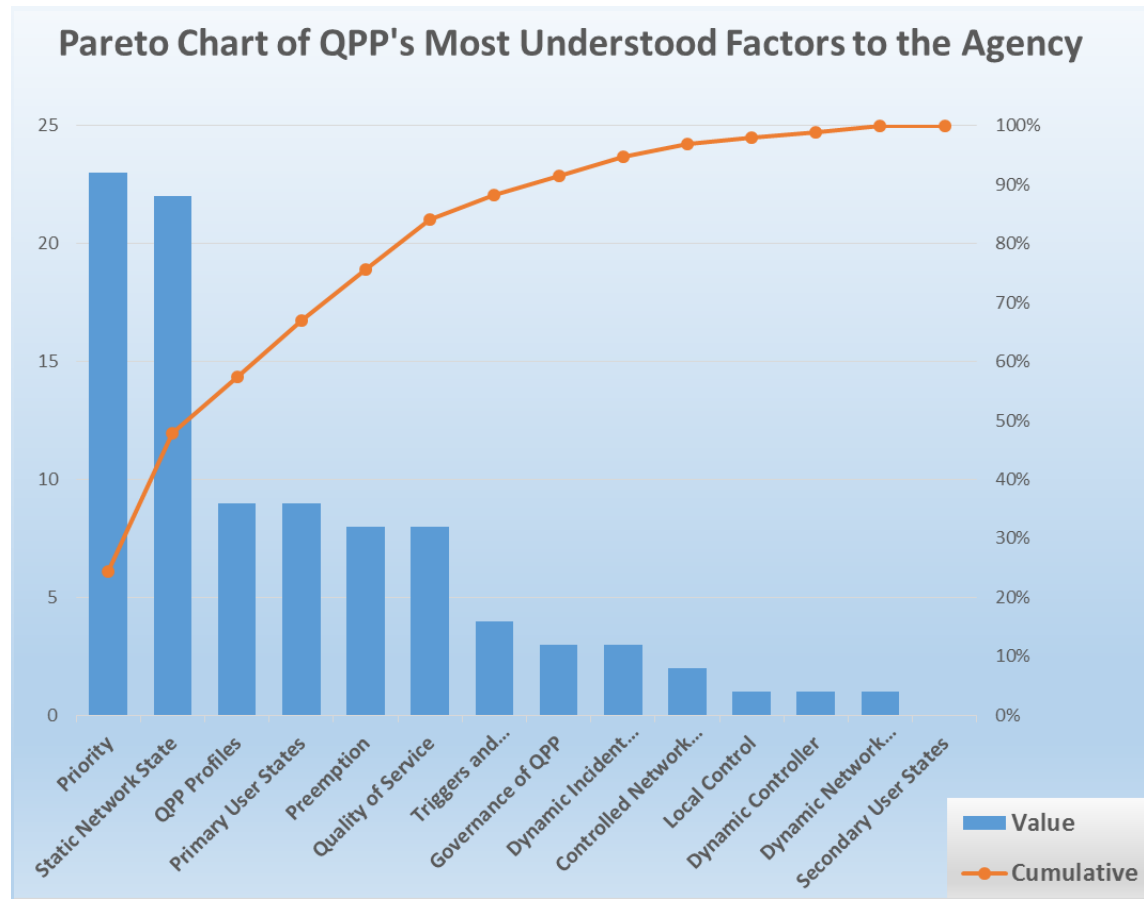
Quality of Service ranked first as the concept that stakeholders found most valuable about the FirstNet Network. Anecdotally, respondents saw it as a requirement rather than a benefit.





QPP CTT survey findings: Most understood

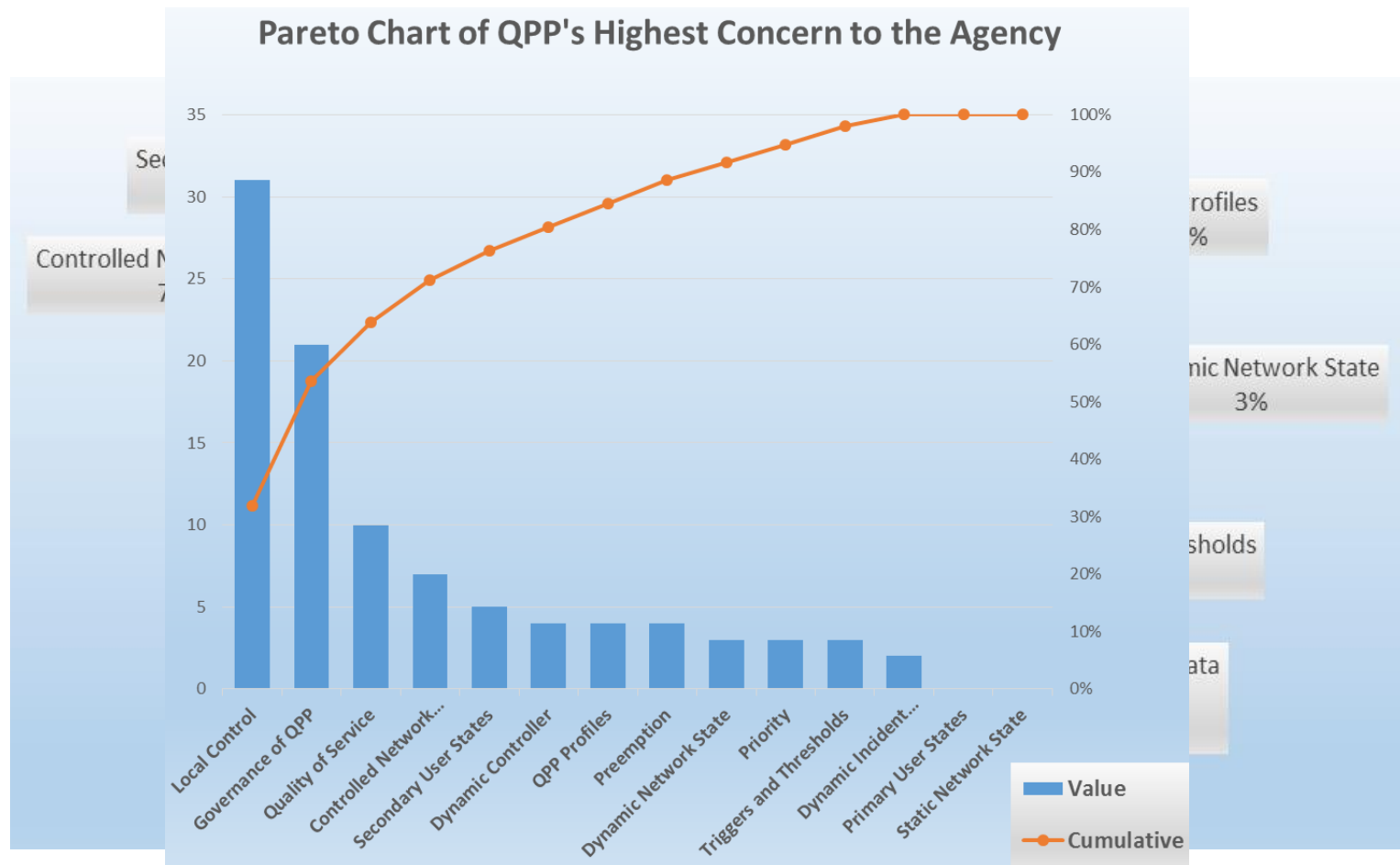
Respondents most completely understood the concepts of **priority** and the **static network state** after the CTT engagements.





QPP CTT survey findings: Highest concern

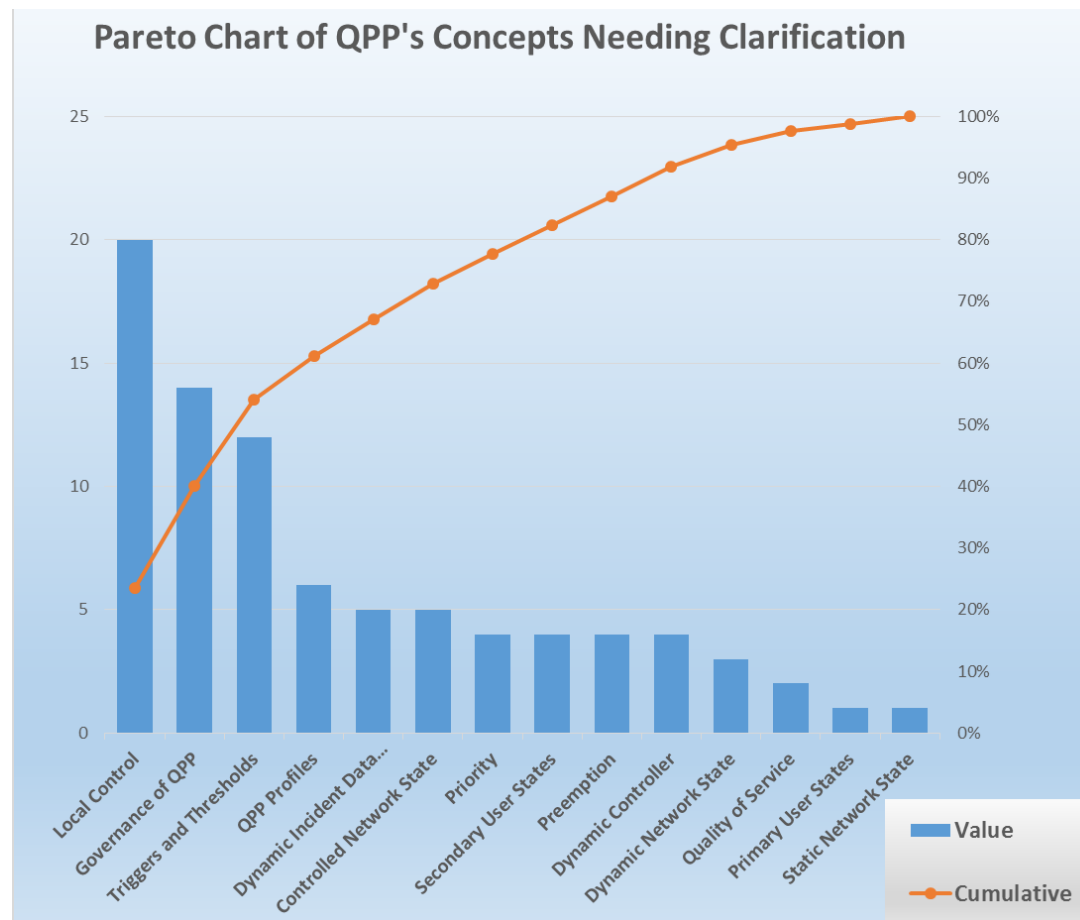
Survey respondents were most concerned with the concepts of the local control and governance of QPP after the CTT Engagements





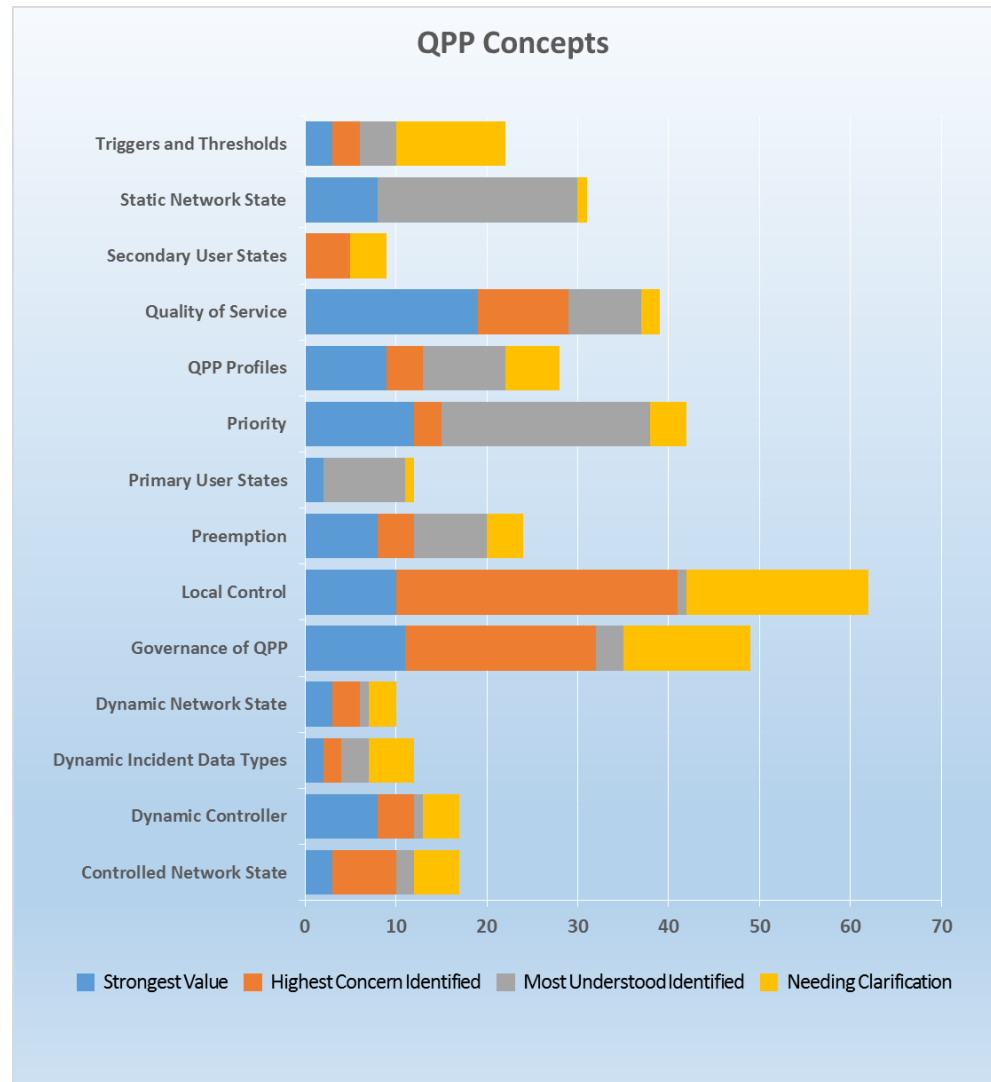
QPP CTT survey findings: Needing clarification

Likewise, respondents also felt they needed more clarification on the concepts of **local control**, **governance of QPP** and **triggers and thresholds**





QPP CTT survey findings: Compelling concepts

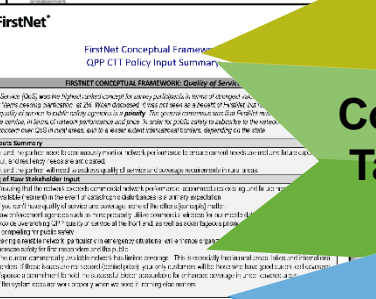




QPP CTT impact

CTT Input to CTO

CTT feedback, questions, concerns provided to FirstNet Chief Technology Officer team for draft policy input



**QPP
Consultation
Task Teams**



**FirstNet
Network Policies**

Partner and FirstNet Finalize Policies

FirstNet and its Partner develop final Network policies

CTO Draft Policy to Partner

CTO team refines all conceptual Network policies and shares drafts and recommendations with Partner



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