Single Point Of Contact (SPOC) Quarterly Briefing

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FirstNet, General Manager

TJ Kennedy
FirstNet, Deputy General Manager

January 15, 2014

Agenda

• Welcome and Introductions	Kristi
• FirstNet Updates	Bill
• Network Planning	Bill
• State Outreach and Consultation	TJ
• Q&A and Open Discussion	Bill and TJ
• Wrap-up	Kristi

FirstNet Updates

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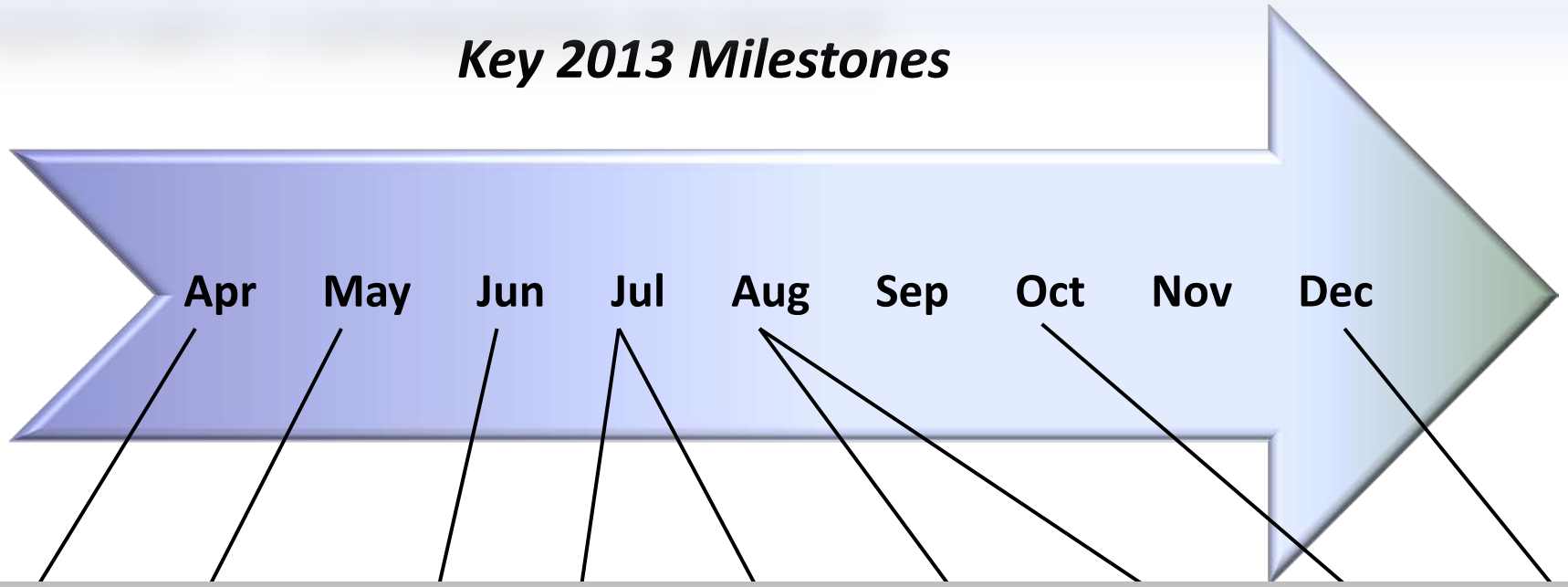
SINGLE FOCUS

The First Responder Network Authority shall hold the single public safety wireless license granted to

ensure the building, deployment, and operation of the nationwide public safety broadband network

FIRSTNET PROGRESS UPDATE

Key 2013 Milestones



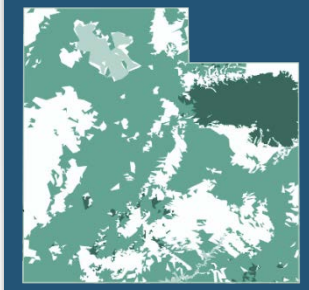
- **Apr:** General Manager Hired
- **May:** 6 Regional Consultation Workshops for States and Territories Started (Completed in June 2013)
- **Jun:** LA-RICS Spectrum Lease Agreement
- **Jul:** 10 Technical RFIs Released
- **Aug:** Deputy GM and Government Affairs Director Hired
- **Aug:** New Mexico Spectrum Lease Agreement
- **Oct:** FirstNet Board Approves FY 2014 Budget and Operating Plan; Established Committee Structure
- **Dec:** Established Northern VA as Corporate HQ & the Boulder, CO Area as FirstNet's Technical, Engineering and Network Design HQ
- **Dec:** Adams County and NJ Spectrum Lease Agreements; Harris County Negotiations Extended

2014 OPERATING PLAN

2014 INITIATIVES AND PRIORITIES

Network Partners

Mandates



BTOP Early Movers

Mobile Network Concepts

Wireless Devices

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Organization Foundation

QUESTIONS ?

Network Planning Updates

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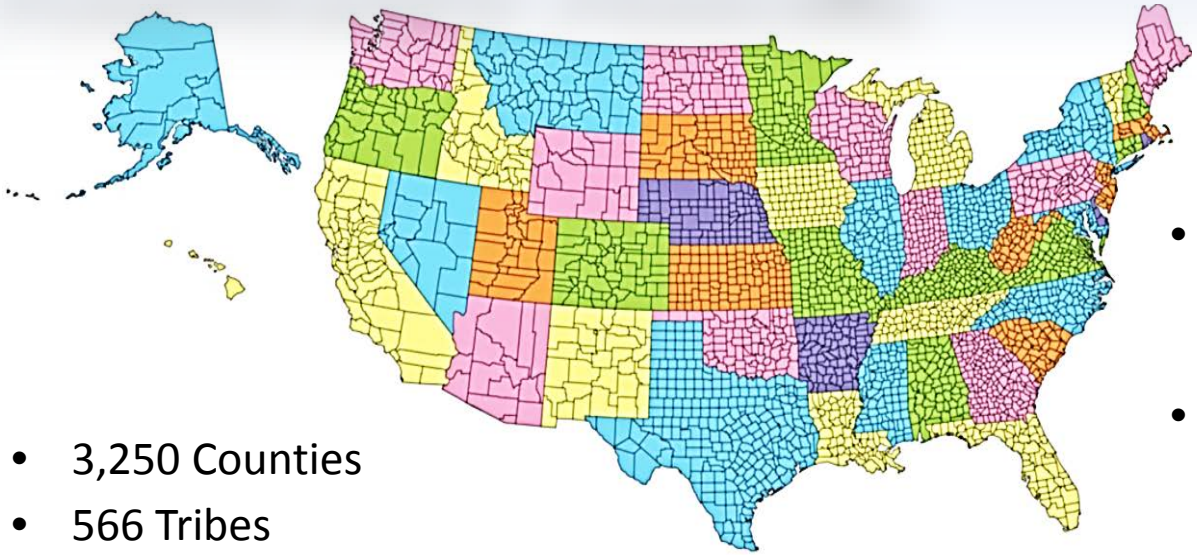
CHALLENGES: Coverage



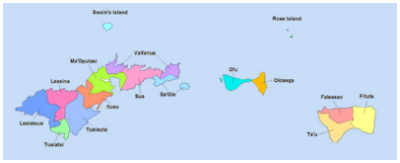
- 3,250 Counties
- 566 Tribes
- Rural, Wilderness, Island Coverage
- 60,000 Public Safety Agencies
- 3.8 Million Square Miles

- Provide coverage to public safety in every state and territory
- The network must be designed to public safety-grade standards
- FirstNet must build and operate a core network

DC

Puerto Rico

Virgin Islands



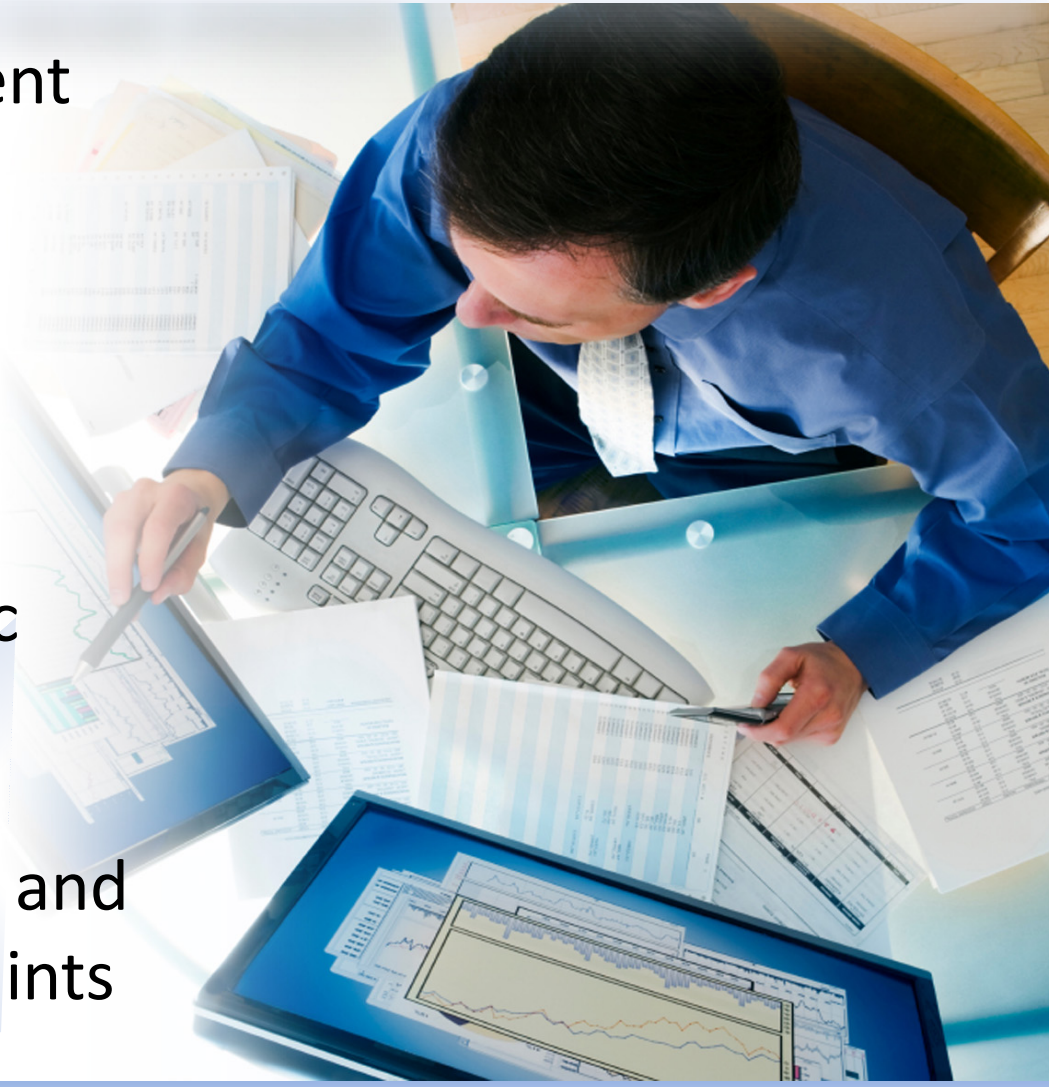
American Samoa

Guam

Northern Mariana Islands

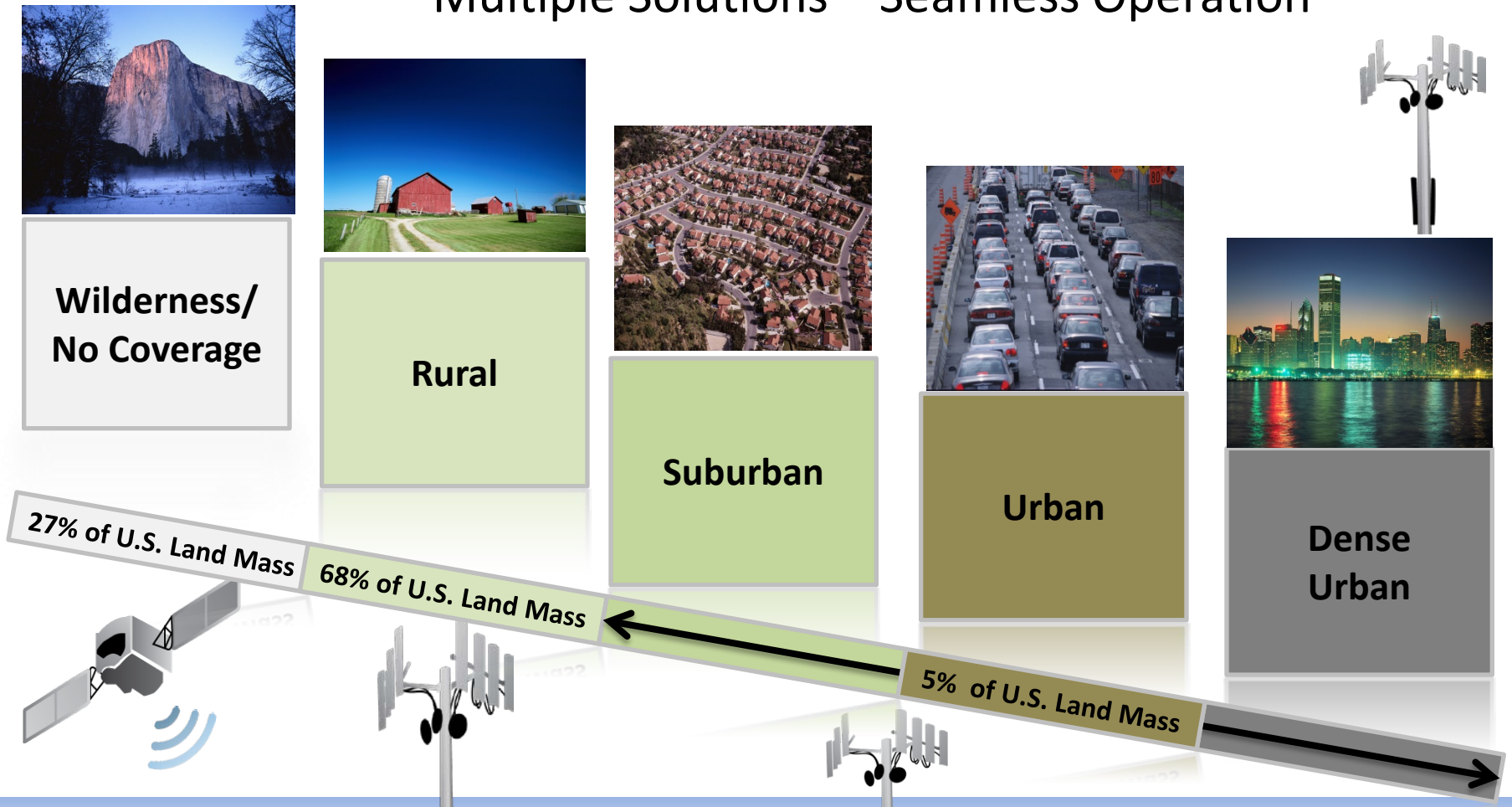
CHALLENGES: Capital and Costs

- Cell Site Capital Investment
- Site Operating Costs
- Hardening Investment
- Limited Number of Public Safety Users
- City, County, State, Tribal and Federal Financial Constraints



FIVE UNIQUE COVERAGE CATEGORIES

Unique Geography and Demographics Require Multiple Solutions – Seamless Operation



LTE VALUE CREATION & INNOVATION

Open, commercial standards - economies of scale - time to market

Rapid Technology Development

Increased Device Capabilities

Improved Infrastructure Deployment Capabilities

Affordable Device Costs

DEVICE CONSIDERATIONS

FirstNet will work with the vendor community on portable devices and in-vehicle routers

	Portables	In-Vehicle Routers	Specialized	Accessories
Device Types				
Category Driver	Build out to gain economies of scale		Special operational needs	Unique uses
Function	• Smartphone • Tablets • Modems	• Routers • Hotspots • Consoles	• Drones • Portable repeaters • Rovers	• Ruggedized cases • Battery packs • Chargers, mics.
Connectivity	• LTE, CDMA, HSPA • LMR/ P25 • Wi-Fi, Bluetooth • Direct mode	• LTE, CDMA, HSPA • Wi-Fi • Ethernet • USB	• LTE, CDMA, HSPA • LMR/ P25 • Satellite repeaters • Location services	• Bluetooth • USB • WiFi
Location Enabled	Yes	Yes	Some	n/a
Band 14 Support	2014	2013/2014	2015+	n/a

COMPLEMENTING LMR WITH LTE

Public safety will rely on land mobile radio (LMR) for mission-critical voice until LTE capabilities exceed current functionality

Elements to be evaluated:

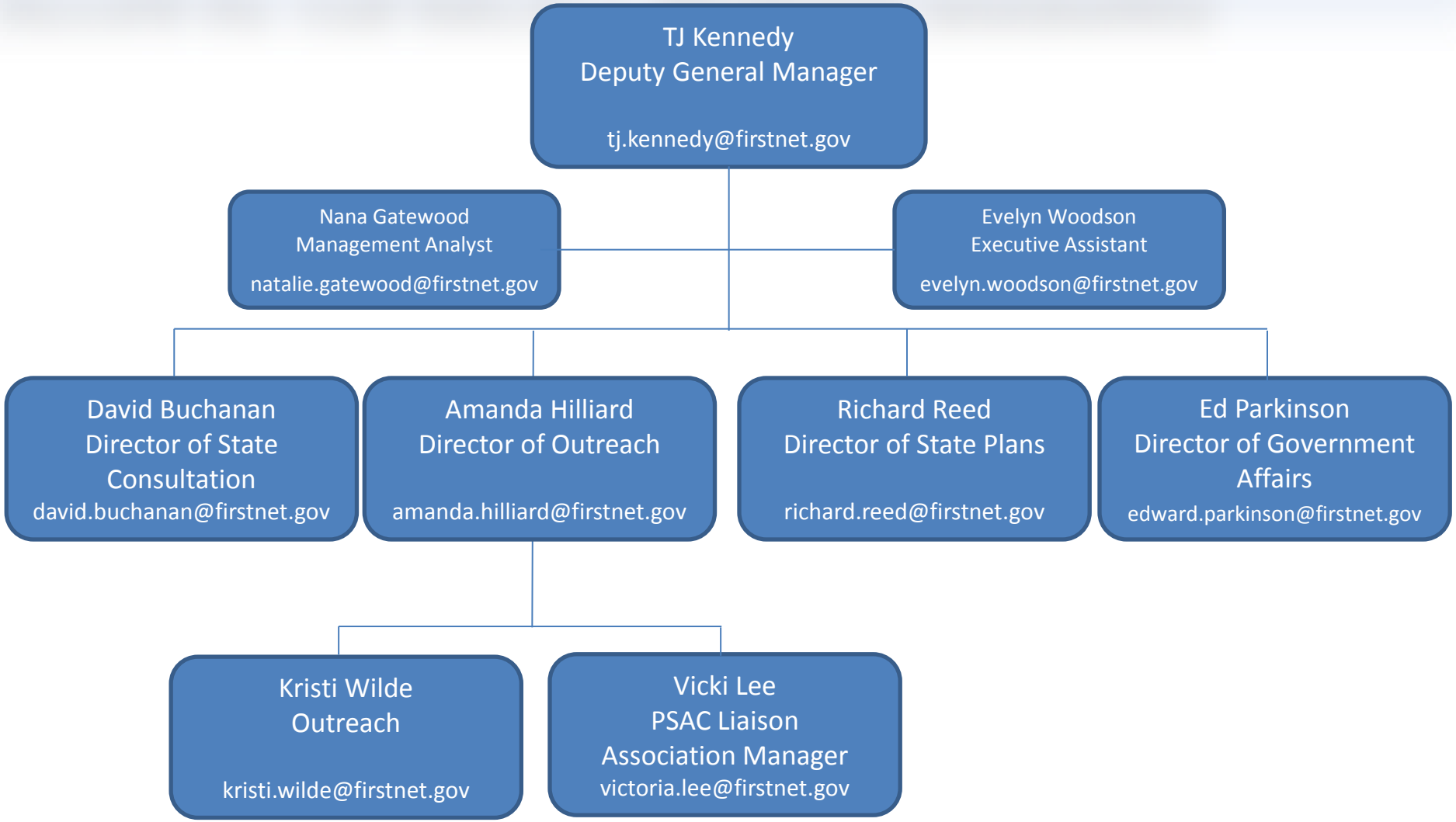
- **Push-to-talk**
- **Direct mode**
- Emergency calling
- Enhanced broadcast
- High-power mobile
- Public safety-grade performance

QUESTIONS ?

State Outreach and Consultation Updates

FirstNet

OFFICE OF THE DEPUTY GENERAL MANAGER



OUTREACH OVERVIEW

FirstNet is Increasing Outreach to the States Through:

- Monthly Conference Calls with SPOCs
- Quarterly Webinars with SPOCs
- Outreach Materials
- FirstNet Website Launch
- Outreach and Coordination with SLIGP team
- Tribal Community Outreach Efforts

FirstNet is Increasing Outreach to Locals / Associations Through:

- PSAC and FirstNet Team Coordination
- Briefings for National Association Reps
- Individual Outreach as Needed
- Event Outreach

FIRSTNET REGIONAL STRUCTURE

The FirstNet operational outreach model aligns with 10 FEMA regions.

- **10 Regional Teams to:**
  - Work with the state SPOCs
  - Outreach to cities and other localities
  - Current Focus: state consultation
  - Future Focus:
    - Solution sales
    - Support
    - Account management
    - Outreach
    - Education and training

FEDERAL TEAM

TRIBAL TEAM

- **2 Nationwide Teams to:**
  - Gather input and requirements
  - Serve users

TRIBAL OUTREACH UPDATE

- November strategy meeting held
- Communications plan development
- Outreach materials creation
- Strategy development
- Hiring personnel

FirstNet recognizes that engagement with tribal entities adds a level of complexity that expands beyond the borders of a single state.

State Consultation

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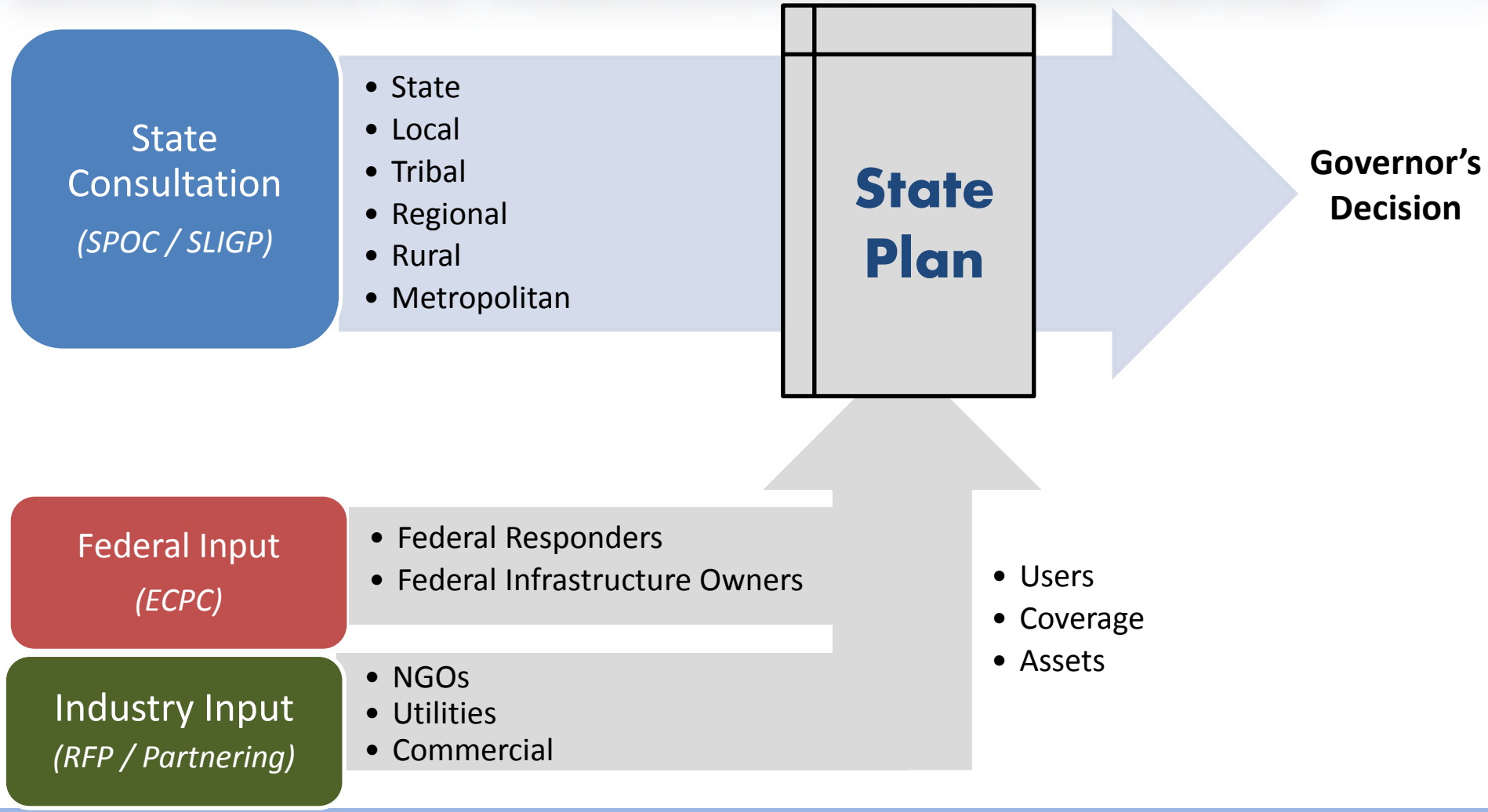
OVERVIEW OF CONSULTATION PROCESS

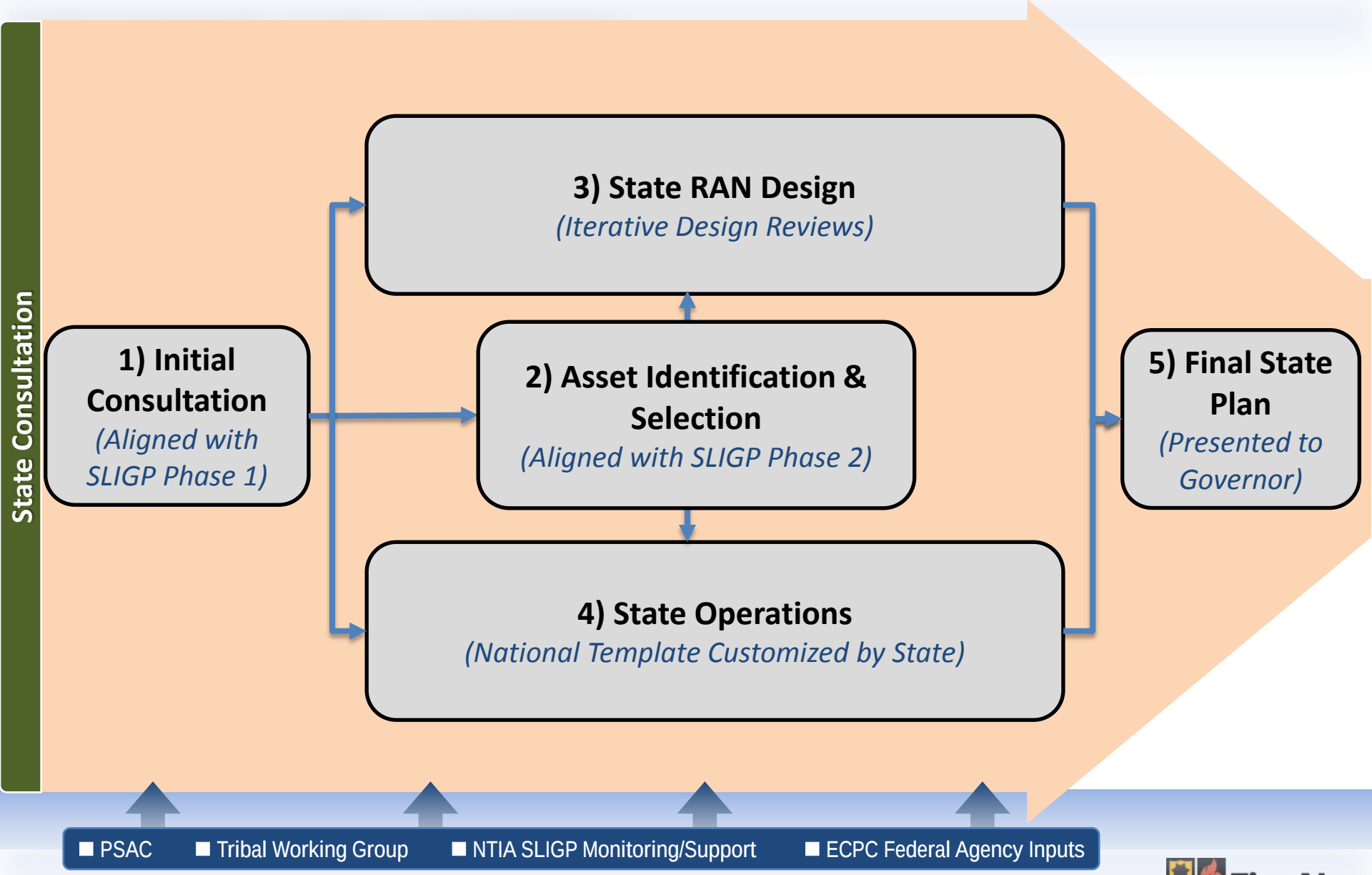
- Consultation is an iterative process, not a single event
- FirstNet will communicate the consultation process and necessary roles and responsibilities
- Consultation will focus on critical information and data
- Plan development will be iterative
- Consultation culminates with the creation of the state plan

Together, stakeholders and FirstNet will have engaged in a process that provides meaningful and thorough information for the state plans.

WIDE RANGE OF STAKEHOLDER CONSULTATION



DEFINING THE PROCESS



1- INITIAL CONSULTATION – Baseline State Analysis

Getting Ready for Consultation

of Oregon

Baseline

FirstNet to provide SPOCs with key information in the form of a BSA, including:

- 1 FirstNet Update — Updated information on FirstNet progress to date
- 2 State Plan Process & Roles — High level process flow including stakeholder and FirstNet roles and responsibilities
- 3. Coverage Baseline — FirstNet preliminary coverage objective map for the state
- 4. User Baseline — FirstNet collected information on primary responders in the state for verification
- 5 Outreach Materials — FirstNet materials that can be used/customized by the state

GETTING STATES READY FOR CONSULTATION (Cont.)

- Consultation Readiness Checklist
  - FirstNet is developing a checklist for SPOCs to use as a guideline prior to consultation.
  - This checklist's topics are consistent with deliverables required by SLIGP.
- Examples of Consultation checklist items may include:

Governance:

- ❑ Functioning governance body in place
- ❑ Date/Time of next governance body meeting known
- ❑ Formal relationships documented with state's tribes

Assessment and Validation:

- ❑ User agencies identified / proposed
- ❑ Secondary users identified / proposed
- ❑ Key stakeholders with assets that could assist with the network build out are identified

Outreach and Education:

- ❑ Statewide outreach plan created
- ❑ Large metropolitan area contact list built
- ❑ Tribe contact list built
- ❑ Rural contact list built
- ❑ Established email list for all public safety leadership in state
- ❑ Calendar of existing state, regional, and national public safety association events

Example

This process will begin with FirstNet communicating to states about the process, roles, and responsibilities; states will be asked to validate and enhance (not recreate) existing information.

2 - ASSET IDENTIFICATION & SELECTION

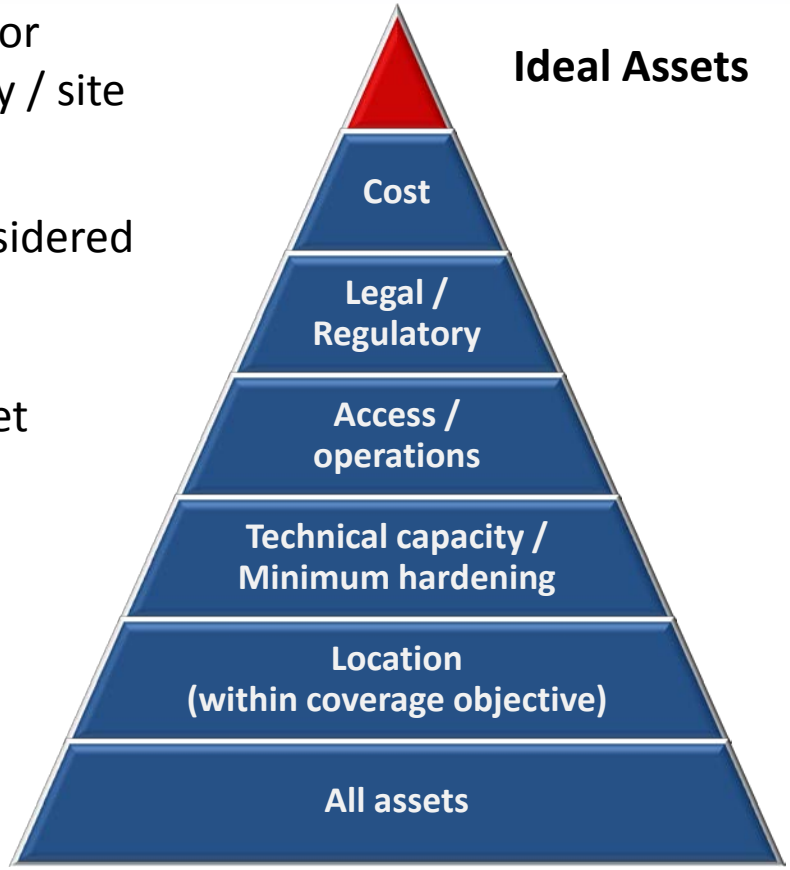
(Aligned with SLIGP Phase 2)

Key Steps

- Define minimum recommended attributes of assets for consideration (Coverage objective / technical capacity / site access / operations / low cost)
- Request data collection on available assets to be considered
- Assess all assets (commercial and public)
- Select assets based solely on best value to the FirstNet network

Guiding Principle

- Limit data collection to viable assets to save the state time/effort
- Leverage assets to provide better coverage at a lower cost
- Leverage assets to deploy quicker



3 - STATE RAN DESIGN PROCESS

Key Steps

- Multi-phase (preliminary / intermediate / critical design) reviews with state to refine design based on identified priorities
- Incorporate feedback and additional data as it is collected (SLIGP Phase 2 / RFP Process)

Guiding Principle

- Ensure on-going review / refinement process with state
- Jointly develop tradeoffs and priorities

Preliminary Design Review	Intermediate Design Review	Critical Design Review
Based on coverage and users from BSA response Preliminary infrastructure estimates	Incorporates revisions from preliminary review Targets best value sites from asset data collection Incorporates RFP / Partnering information	Incorporates revisions from intermediate review Includes tradeoffs / prioritization based on state business plan

4 - STATE OPERATIONS

Key Steps

- Leverage PSAC and others to discuss overall approach to:
  - Local control
  - Prioritization
  - Training
  - Security
- Develop operations template with areas for input/customization
- Develop system cost structure / business plan for state based on preliminary RAN design and potential user base
- Customize based on public safety stakeholder input

Guiding Principles

- Address areas of consultation required by law
- Ensure state RAN design is supported by business planning and cost considerations

5 - FINAL STATE PLAN

Key Steps

- Document proposed coverage and associated cost
- Supply projected funding level
- Provide final review opportunity by state's SPOC / governing body
- Submit to the Governor

State Plan Requirements

- Completion of the RFP process
- Details of proposed build-out in the state
- Funding level for the state

Guiding Principles

- Address areas of consultation required by law
- Ensure public safety stakeholders have had robust involvement before state plan is presented

QUESTIONS ?

Q & A / Open Discussion

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Topics For the Next Webinars

FirstNet

NEXT STEPS

- **Upcoming Dates (Planned *):**
  - Ongoing Quarterly Webinars :
    - April 2, 2014
    - July 9, 2014
    - October 1, 2014
  - SLIGP Workshops:
    - February 25-26 - Atlanta, GA
    - March 11-12 - Phoenix, AZ
- **Solicitation of possible subjects for the next webinar:**
  - Topic: _____
  - Topic: _____
  - Topic: _____

* Please send any major scheduling conflicts to Kristi for scheduling adjustment considerations.

FirstNet will work with SPOCs, local / national organizations, and key stakeholders to present the most up-to-date, relevant information available.

THANK YOU

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