



FirstNet™

# Combined Committee and Board Meeting

June 28, 2017



# Chief (Ret.) Harlin McEwen



## Career highlights

- Chief of Police, Cayuga Heights, NY
- Deputy Director, New York State Bureau of Municipal Police
- Deputy Commissioner, New York State Division of Criminal Justice Services
- Chief of Police, City of Ithaca, NY
- Deputy Assistant Director, FBI Criminal Justice Information Services Division  
Chairman, Public Safety Advisory Committee
- Chairman, Public Safety Spectrum Trust
- Chairman, Communications and Technology Committee, IACP
- Lifetime Member, APCO, IACP, NSA
- Communications Advisor to MCCA, NSA, MCSA
- IACP Representation, DOJ Information Sharing Advisory Committee, NPSTC, SAFECOM

- 40 year+ law enforcement career
- 55+ year advocate for public safety telecommunications
- Tireless advocate for a nationwide public safety broadband network
- Vital role representing IACP and public safety community in effort to secure dedicated spectrum for emergency communications

# FirstNet Board Resolution 85

**Chief (Ret.) Harlin McEwen** served for four consecutive terms as the inaugural PSAC Chair. Under Chief McEwen's leadership, the PSAC:

- Submitted recommendations on: Identity, Credential and Access Management (ICAM), local control, priority and preemption, public-safety grade, user equipment, user profiles, human factors, applications and use cases, and eligible users
- Established Early Builders Working Group, providing early builder key learning conditions and lessons learned
- Stood up an active Tribal Working Group for recommendations on tribal outreach, education and comprehensive consultation strategies to ensure participation by tribal jurisdictions in network planning

**Now therefore be it resolved** that the FirstNet Board hereby extends its formal appreciation to Chief McEwen for his extraordinary expertise, experience and leadership as the PSAC Chair, and in honor of that extraordinary expertise, experience and leadership, hereby establishes the Chief Harlin McEwen Public Safety Broadband Communications Award.

**Now therefore be it further resolved** that the FirstNet Board hereby awards the Chief Harlin McEwen Public Safety Broadband Communications Award to Chief McEwen.



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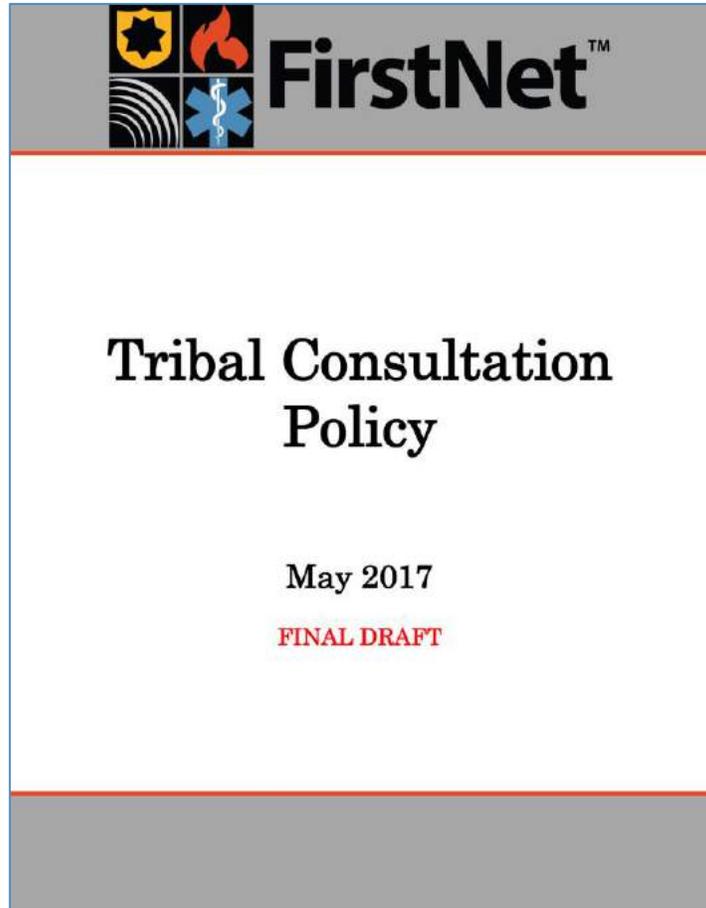
# PSAC Update

**Tom Sorley, PSAC Chairman**

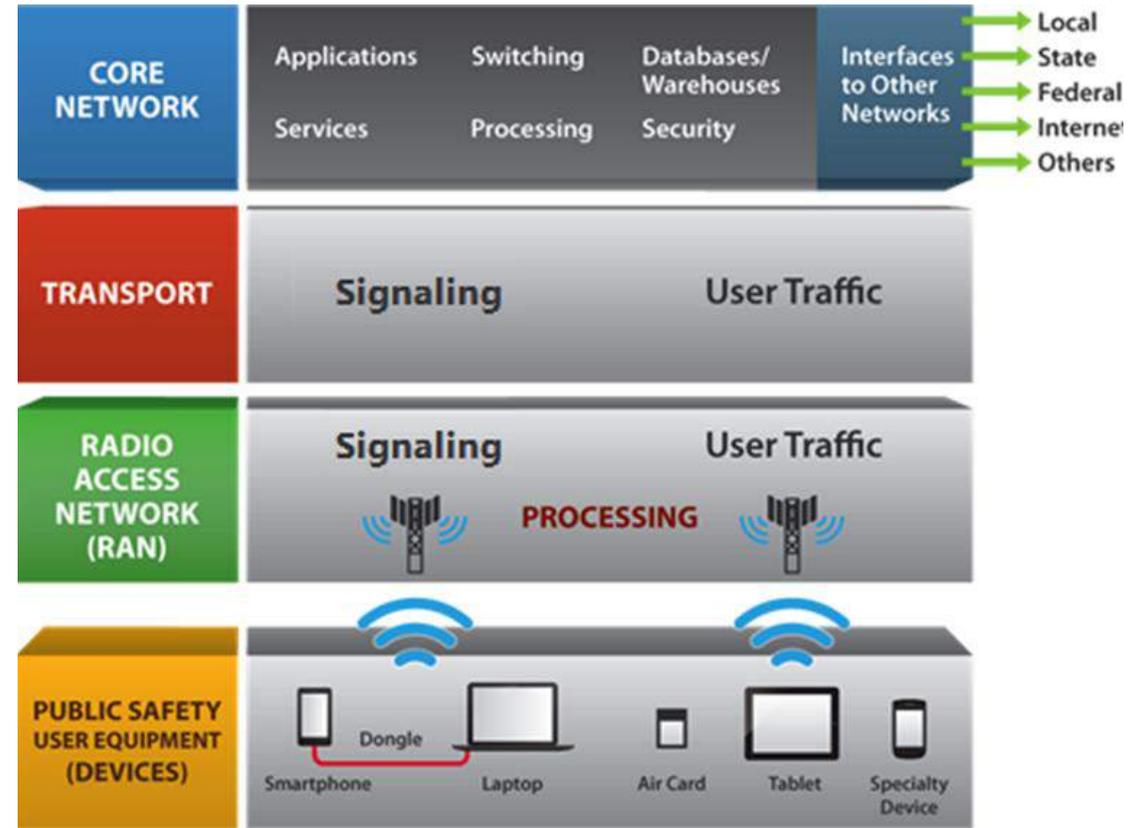
June 28, 2017



# Working Groups Update



Early builder template used to facilitate AT&T discussions



# Moving to the FirstNet Network

## Key differentiators of the FirstNet Network

- Priority and Preemption
- Quality of Service
- Security
- ICAM
- Public Safety Apps Store
- Increased Reliability
- Increased Rural and Urban Coverage

## Checklist for Public Safety agencies

- Procurement
- Application usage policies
- Staffing requirements
- Training
- Etc.



# June 15 PSAC Meeting Recap



Thank you FirstNet Board Members **Chair Sue Swenson**, **Vice Chair Jeff Johnson**, **Neil Cox**, **James Douglas**, **Kevin McGinnis** and **Teri Takai** for your participation

## Sessions included:

- Working Group Updates
- User Profiles and Preparing for Adoption Task Team summary
- Association and Discipline Outreach Summary
- FirstNet and AT&T Solution
- Consultation and Outreach
- State Plans and Governor's Decision



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# Governance Committee Update

**Sue Swenson, Committee Chair**

June 28, 2017



For Official Use Only



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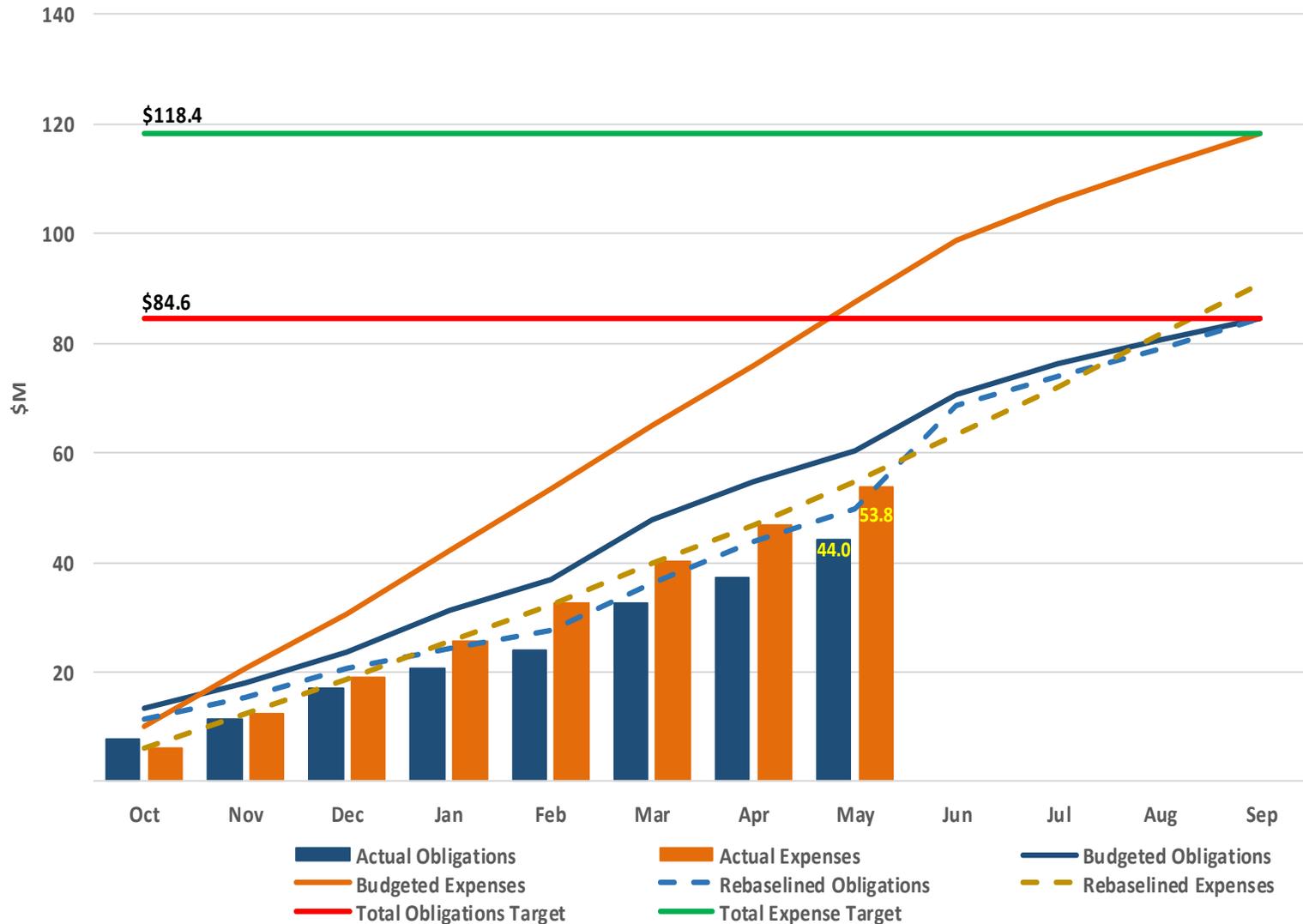
# Finance Update

**Kim Farington, Chief Financial Officer**

June 28, 2017



# FY17 FirstNet Cumulative Slide



## Obligation Deltas

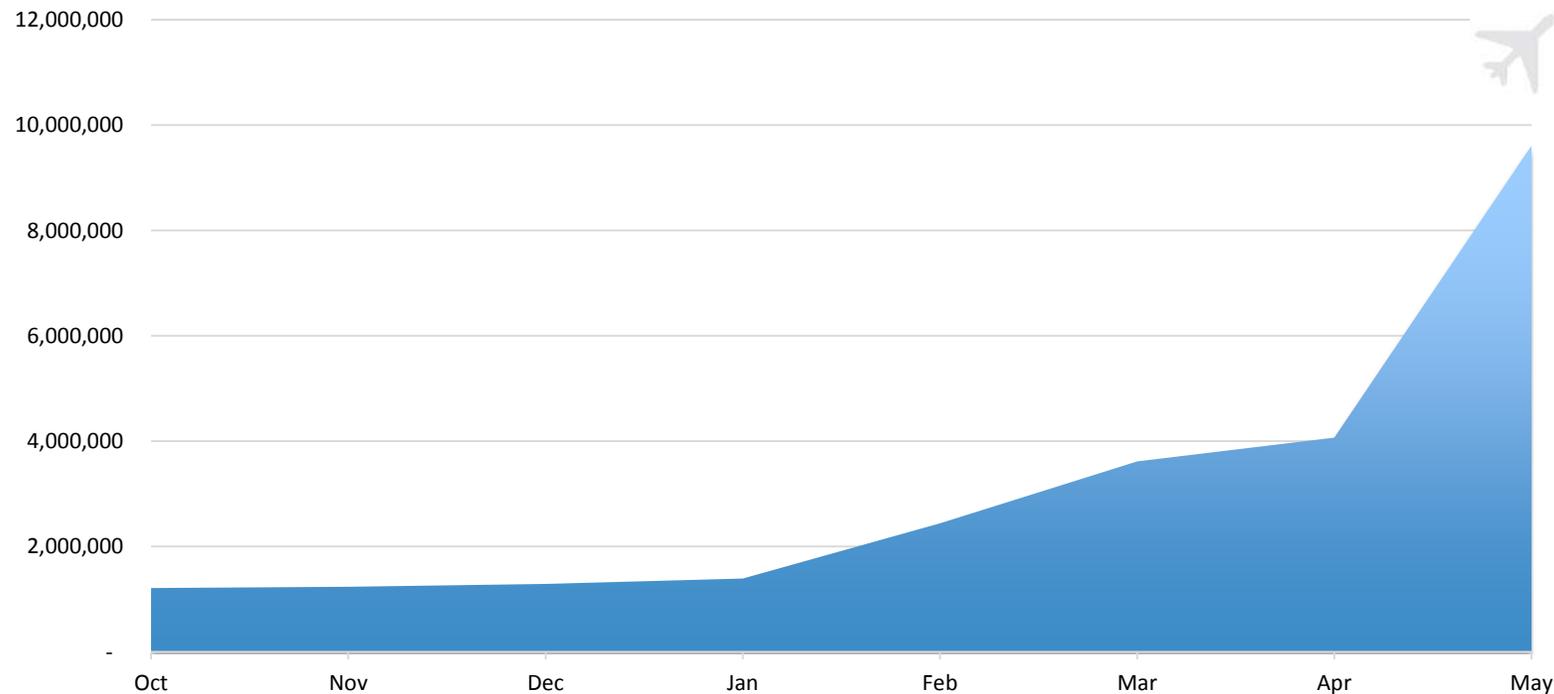
- \$6.1M – Deferred Support
  - \$3M Labor & Benefits
  - \$1.2M Outside Counsel Support
  - \$1.9M Lab Setup Procurements
- \$2.8M – Savings thru Competitive Actions
  - \$400k Comms Support
  - \$1.3M Program Execution Support
  - \$1.1M Cost Accounting

## Expense Deltas

- \$22M – Spectrum Relocation Grants
- \$1.8M – SPAWAR Consultation Support
- \$2M – LTE SME Contract Support
- \$1.5M – NEPA Contracts
- \$1.6M – Outside Counsel Support
- \$508k – Contract HR Support

# FY17 Financial Stewardship Efficiencies

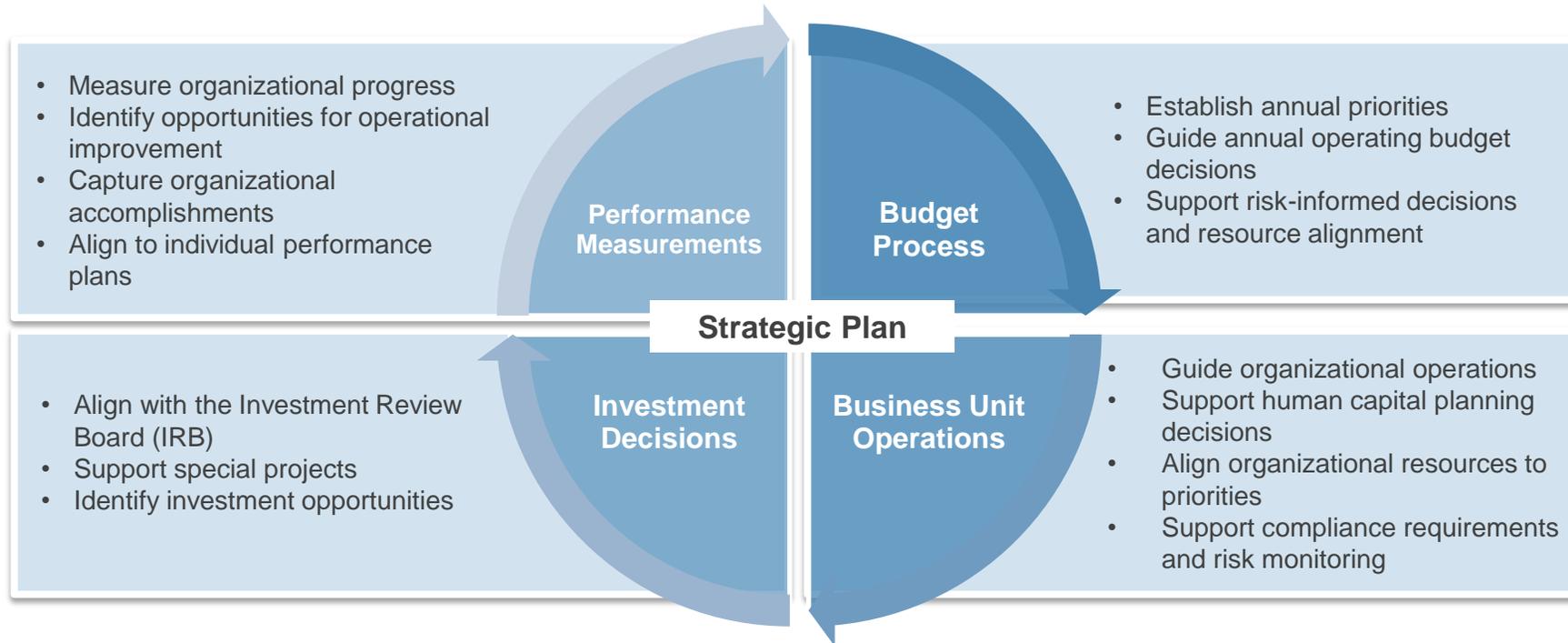
**Nearly \$10 million in funds have been returned**



**These de-obligated funds will be made available for future funding needs**

# Strategic Plan and FirstNet Operations

The FirstNet Strategic Plan lays out short- and long-term priorities of the enterprise as they relate to performance management, the budget process, internal operations and future investments



## PROJECT TIMELINE





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# Contract Overview and Strategic Roadmap

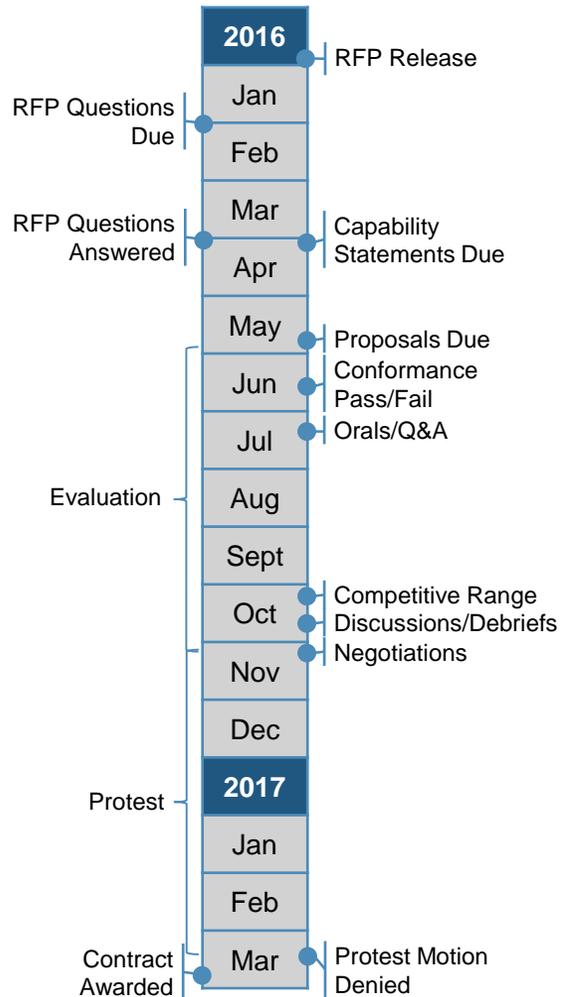
**TJ Kennedy, President**

June 28, 2017



# FirstNet – AT&T Contract Highlights

## FEDERAL ACQUISITION PROCESS



- Nationwide rollout of Band 14 on 20 MHz spectrum



- Access to Quality of Service, Priority & Preemption on AT&T's existing network
- Comprehensive 3GPP-compliant device portfolio for public safety users



- End-to-end network cybersecurity solution
- Customer service team dedicated to public safety



- Commitment to achieve public safety adoption targets



- \$40B in network investments over 25 years



- Network includes AT&T's existing telecom assets (valued at \$180B)



- 72 new deployables to support the NPSBN
- Core team of industry leaders/experts
- Partnerships with 45 rural telecom providers and wireless roaming agreements with 25 companies



- Creation of 10,000+ U.S. jobs in next 2 years
- Annual payments to FirstNet for 25 years

**ALL 16 RFP OBJECTIVES MET**





From: Contract Execution

To: FirstNet CORE Online



# March 2017 – March 2018

Ongoing outreach and consultation with first responder stakeholders



From: Band 14 “Live”

To: +60% Band 14 Coverage

- Mission Critical Push-To-Talk tested for FirstNet solutions
- Launched Band 14 Network and FirstNet Field Operations

- Applications evolution and delivered
- **Updated Services and Security Enablers of the Core**

- Achieve Targeted Public Safety Device Connections
- Achieve Targeted Band 14 Coverage in Rural and Non-rural Areas
- Mission Critical Push To Talk Available (Standard Based 3GPP Release 13)

- **Evolving Network Policies**
- **Updated FirstNet location-based services,**

- Public Safety Enterprises Network (PSEN) Onboarding and Interconnection (including Support for NG911 Systems)
- Dynamic Quality Priority and Preemption Implementation Complete

Continuous outreach and consultation with first responder stakeholders

June 2018 – June 2019



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# Network Program Update

**Steve Fletcher, Network Program Officer**

June 28, 2017



# Accomplishments 90 Days Post Contract Award

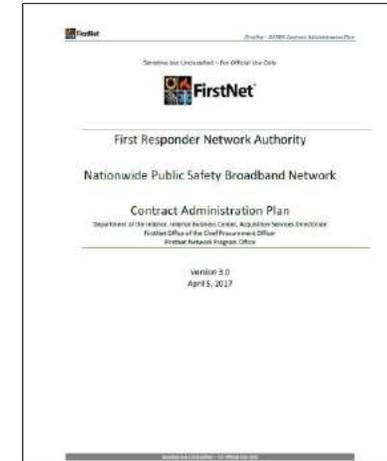
## 1. NPSBN contract awarded to AT&T



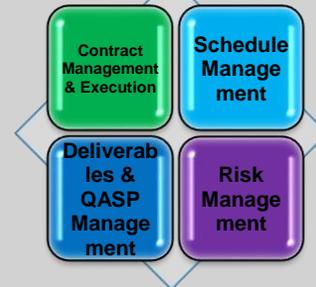
## 2. Kicked off public-private partnership with AT&T



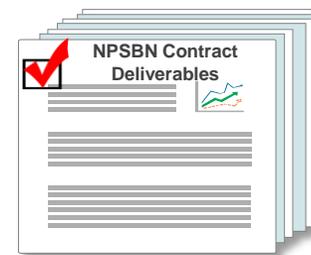
## 3. Implemented a contract administration plan



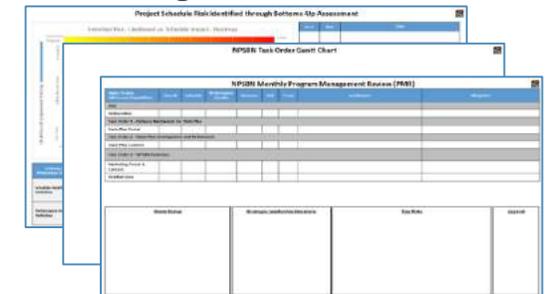
## 4. Operationalized NPSBN governance structure and established FirstNet NPO/AT&T PMO working relationship



## 5. Reviewed and approved initial 30-day contract deliverables



## 6. Established Program Management Reviews



# Key FirstNet and AT&T Events

<b>April 3-14</b>	FirstNet – AT&T NPSBN orientation
<b>May 8</b>	AT&T Global NOC site visit
<b>May 16</b>	Board cybersecurity briefing
<b>May 18</b>	Program Management Review with FirstNet President & CEO
<b>May 18-19</b>	Marketing and Brand Offsite (Dallas, TX)
<b>May 22-24</b>	Critical Design Review of the Core Network (Boulder, CO)
<b>June 2</b>	Monthly Program Management Review with FirstNet & AT&T program leadership
<b>June 7-8</b>	National State Plan Kickoff Meeting (Dallas, TX)
<b>June 19</b>	State Plans released

# Planned Activities For Next 90 Days

## NPSBN IDIQ CONTRACT

Continue to work with AT&T and teaming partners on various NPSBN contract execution activities

### TASK ORDER (TO) 1: STATE PLAN PORTAL

Coordinate user acceptance testing to obtain buy-in

Release and maintain state plan portal

FirstNet receives first invoice for payment

**Acceptance of Task Order 1**

### TO2: STATE PLAN DEVELOPMENT & REFINEMENT

Release State Plans

Facilitate review of State Plans

Incorporate comments to state plans from states and territories

Revise and edit content

**Acceptance of Task Order 2**

### TO3: NPSBN FUNCTIONS

Complete critical and final design review of Core network

Monitor Core, operations and public safety features, standards deployment

Provide certified ecosystem of devices and access to public safety applications via FirstNet app store

### TO4: FIRSTNET RAN

Execute TO4 for FirstNet-deployed Radio Access Network

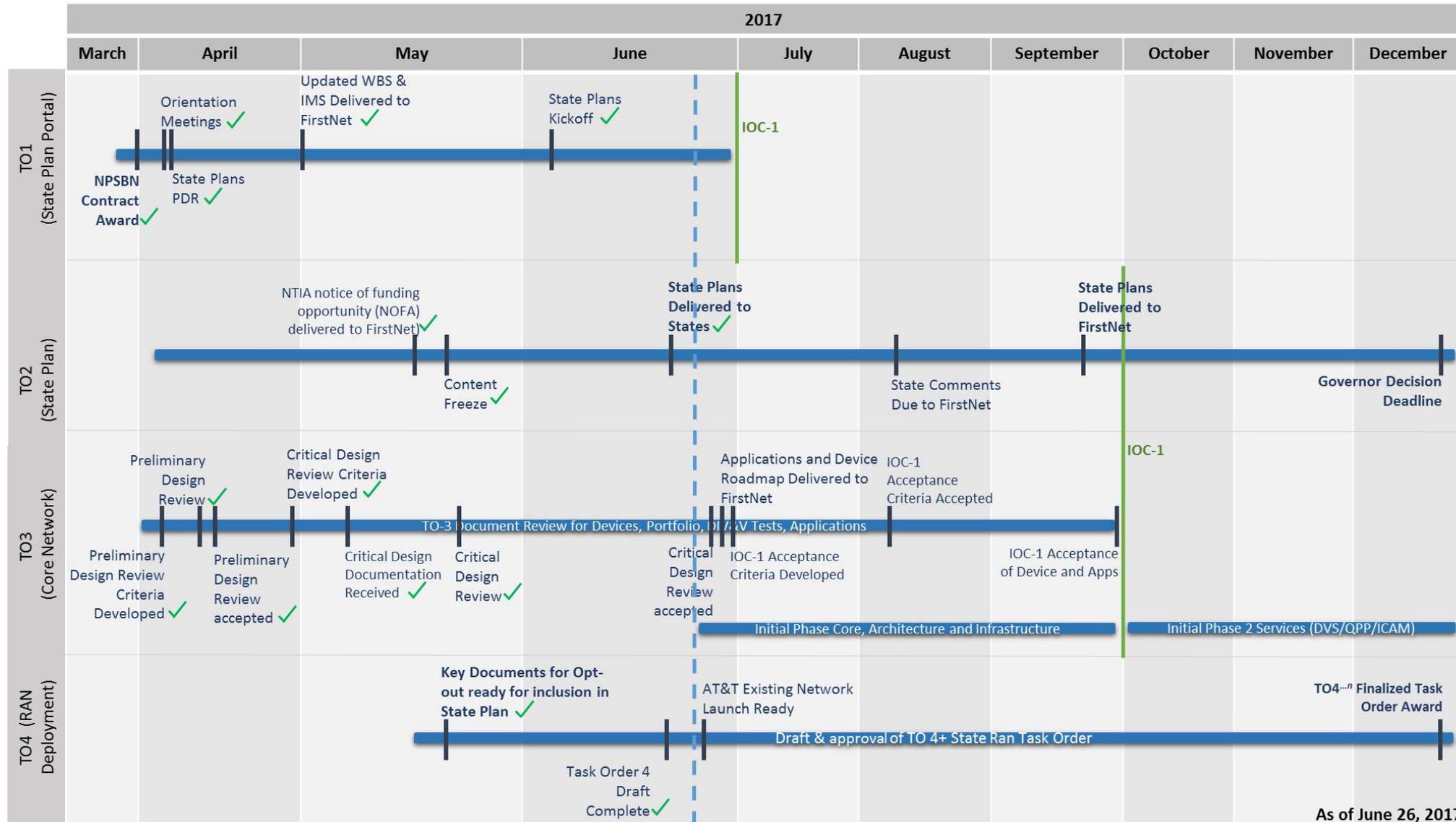
Transition from task order execution to state RAN initiation

Execute State Plan, coverage and delivery of state RAN solution

Opt-out state integration planning



# Joint FirstNet - AT&T NPSBN Program Schedule





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# Technology Update

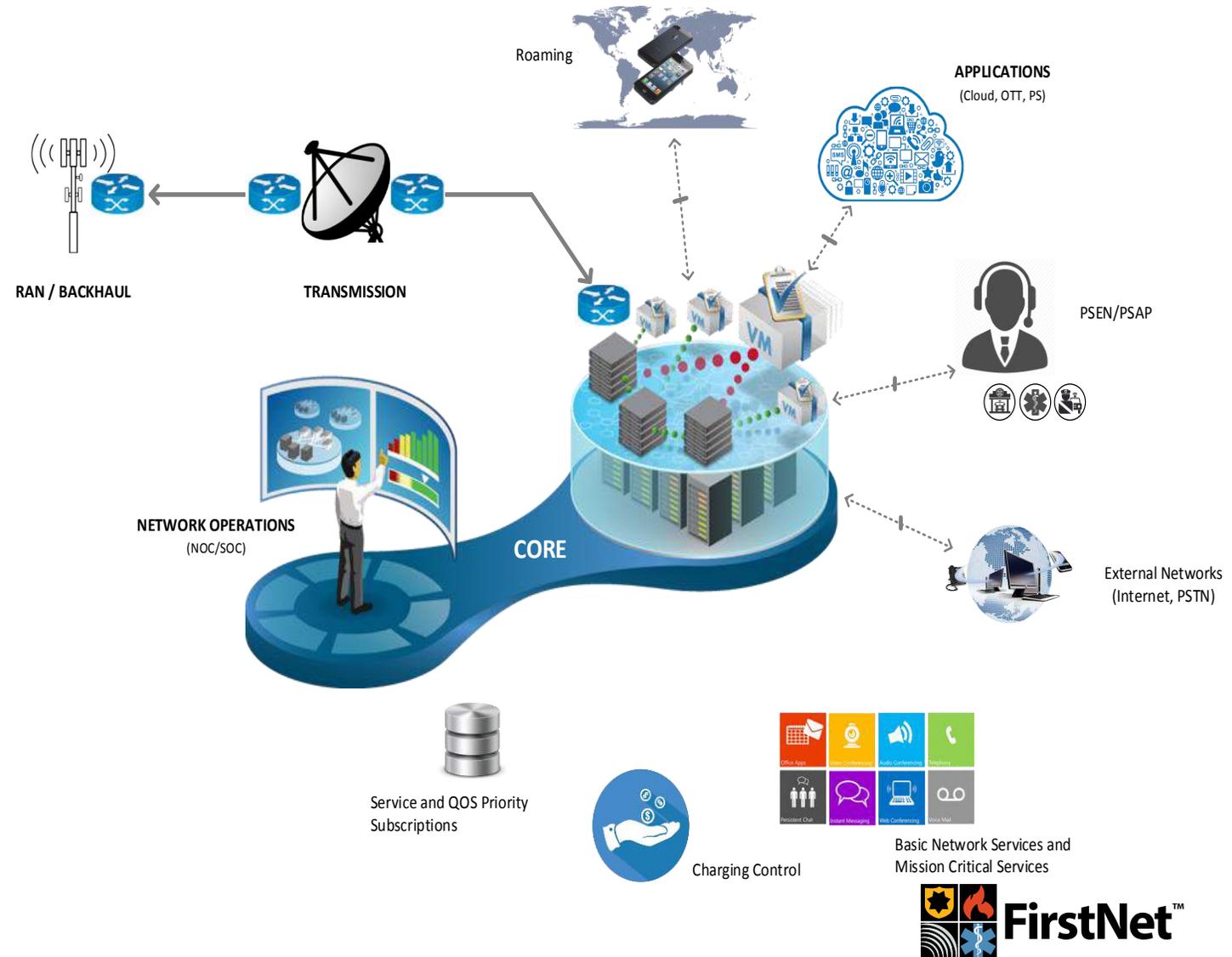
**Jeff Bratcher, Chief Technology Officer**

June 28, 2017

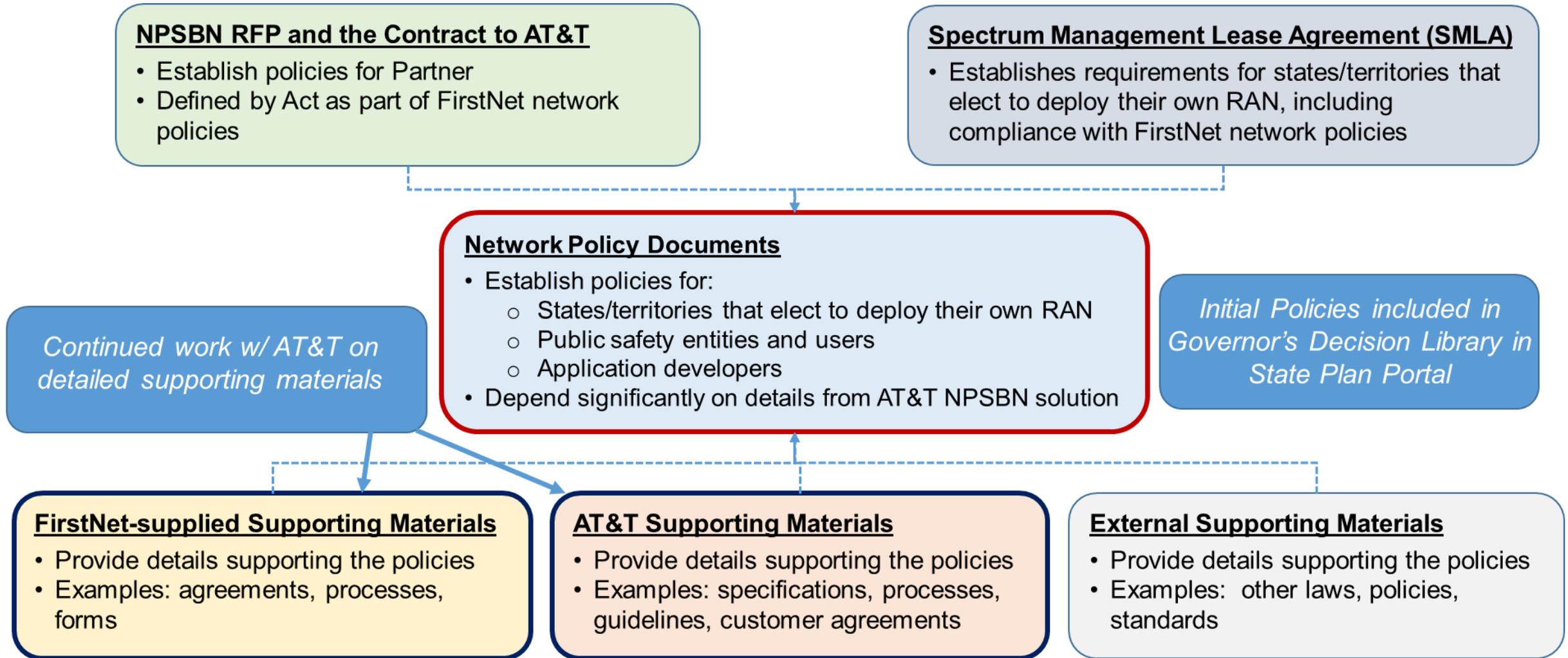


# NPSBN Core Network Design Update

- Preliminary and Critical Design Review meetings completed
- FirstNet Core Network implemented by March 2018 (IOC2)
- Enables full radio network sharing between Band 14 and AT&T commercial LTE bands
- Public Safety Priority and Preemption across Band 14 as well as all AT&T commercial LTE bands (2, 4, 5, 17, etc.) for FirstNet Public Safety users



# Documents Establishing Network Policies



# NPSBN Cybersecurity Activities



- **May 8-9<sup>th</sup>:** Tour and briefing at AT&T Global Network Operations Center (GNOC) and Security Operations Center (SOC)
- **April 12-13:** Preliminary Design Review and Network Security Deep Dive Meetings
- **May 15-17:** Critical Design Review and further network security discussions
- **June 7-8:** State Plan Kickoff Meetings – AT&T introduced their network security solution to the SPOCs
- **Week of June 30:** Planned meetings on network security verification and assurance

# NPSBN Cybersecurity Verification Plan

## Upcoming Milestones

- Implement Cybersecurity Verification Program based upon Quality Assurance Surveillance Plan (QASP) and contract deliverables
  - Target Completion Date: QASP and Deliverables - July 2017
  - Target Completion Date: Cybersecurity Verification Program - October 2017
- Crosswalk NPSBN RFP Appendix J-10 with FISMA
  - Target Completion Date: June 2018
- Finalize Dept. of Commerce CIO validation program
  - Target Completion Date: TBD by DOC CIO

# Public Safety Innovation Accelerator Grants

- Initial round of **\$300M R&D** funds from the legislation
- Announced June 12 at PSCR Conference
- **33 grant awards** for a total of **\$38.5M**
- **5 public safety** communications focus areas:
  - Mission-critical voice
  - Location-based services
  - Public safety analytics
  - Research and prototyping platforms
  - Resilient systems
- Full list of grant awards can be found at: <https://www.nist.gov/news-events/news/2017/06/nist-awards-385-million-accelerate-public-safety-communications>

**NIST**





# Closed Session of the Board



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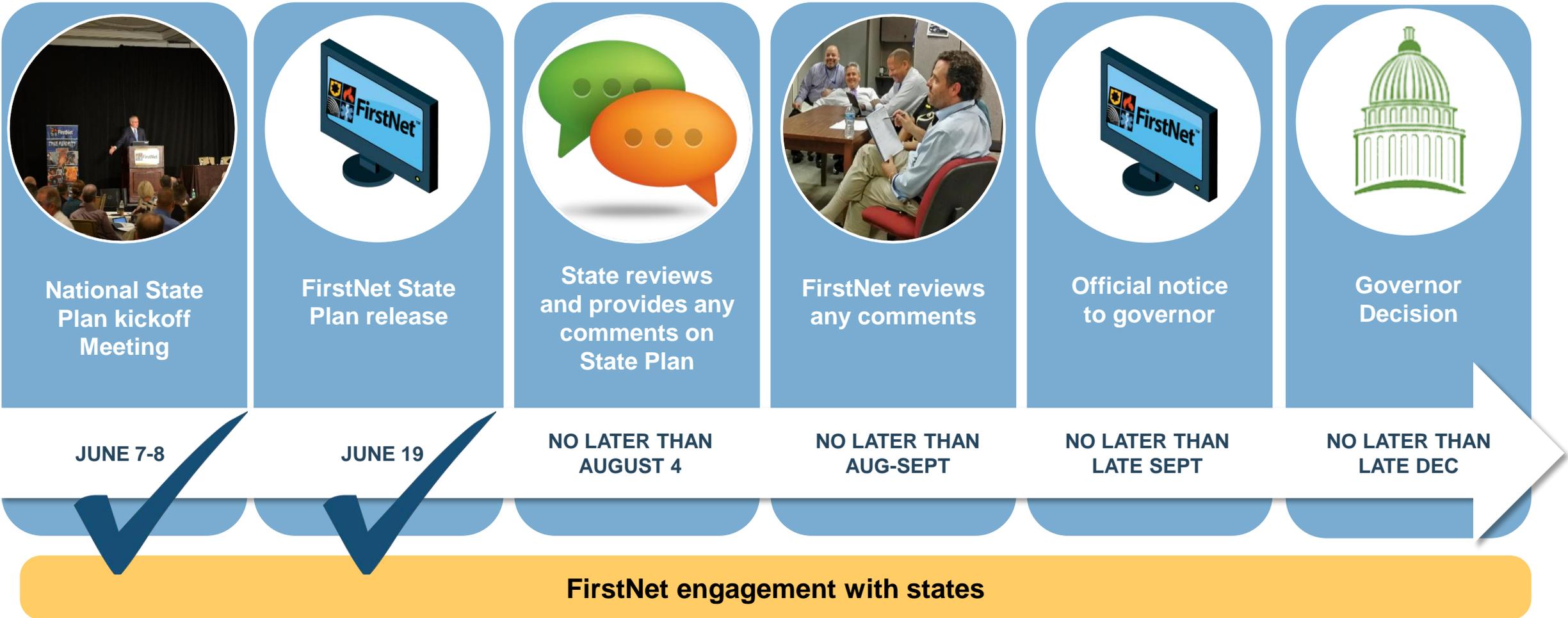
# State Plans Update

**Amanda Hilliard, Deputy Chief Customer Officer**  
**Brian Hobson, Director State Plans**

June 28, 2017



# State Plans Timeline



# June 7-8 State Plan Kickoff Meeting



- **263 attendees** representing **all 56 states and territories**
- Provided **in-depth detail** on FirstNet solution
- **Previewed State Plan Portal** and FirstNet.com
- **Prepared SPOCs** for State Plan review process

# Content of the State Plan Portal



What is FirstNet?
About FirstNet
State Plan Overview
Acquisition Overview
Value of FirstNet
State Plan Consultation
State Consultation
Nationwide Engagement
Governor's Decision
State Executive Summary
Acceptance Guide
Opt-in Process
Opt-out Guide

**GEORGIA COVERAGE**

**100%**

Population - FirstNet enables public safety to better serve their communities with a dedicated broadband network

**99.7%**

Geography - FirstNet delivers a dedicated public safety network across your state

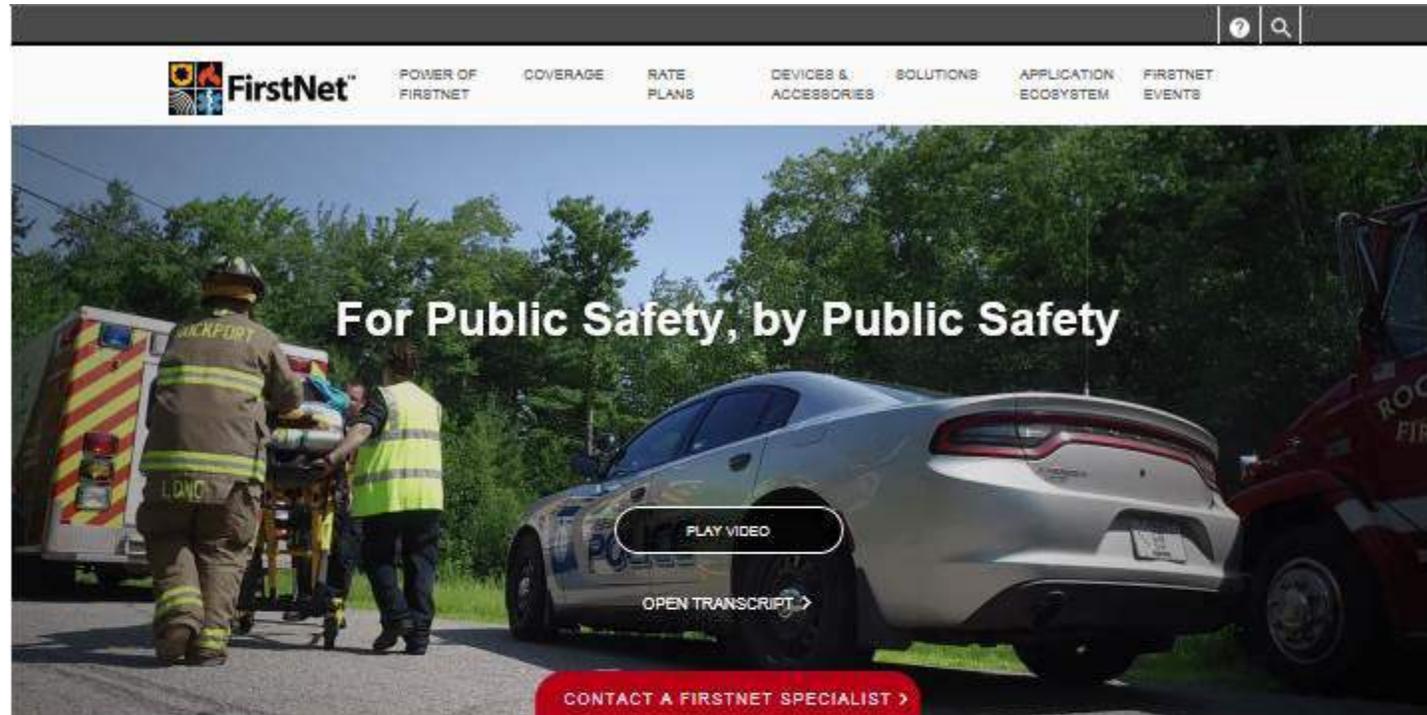
**99.9%**

Coverage Objectives - FirstNet provides broadband services at locations your public safety identified as priorities

[CHECK YOUR STATE COVERAGE](#)

Coverage
Nationwide Coverage
Rural Providers
Interactive Coverage Map
Network Architecture
Radio Access Network
Core Network
Network Implementation
Security
Products & Services
Features
Devices
Wireless Rate Plans
Applications
Business Operations

# FirstNet.com Demonstration



## United in response and communication

The FirstNet mission is to deploy, operate, maintain, and improve the first high-speed, nationwide wireless broadband network dedicated to public safety. This reliable, highly secure, interoperable, and innovative public safety communications platform will bring 21<sup>st</sup> century tools to public safety agencies and first responders, allowing them to get more information quickly and helping them to make faster and better decisions.



### RELIABLE

This powerful broadband LTE network allows first responders and



### INTEROPERABLE

FirstNet is a nationwide network that provides interoperable



### INNOVATIVE

The FirstNet App Developer Program and App Store will foster



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# CEO Update

**Mike Poth, Chief Executive Officer**

June 28, 2017

