



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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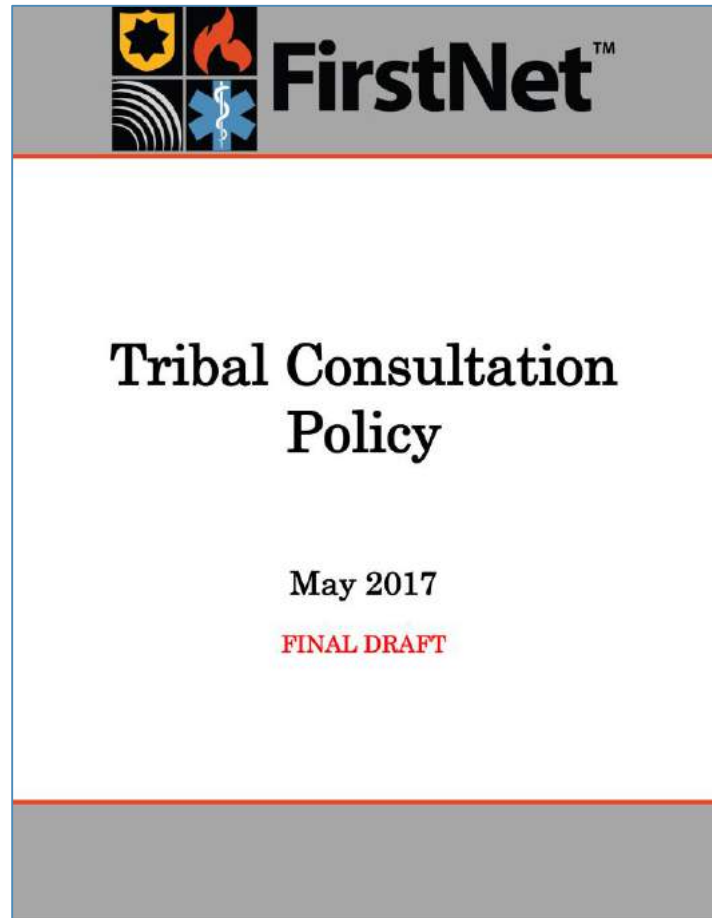
PSAC Update

Tom Sorley, PSAC Chairman

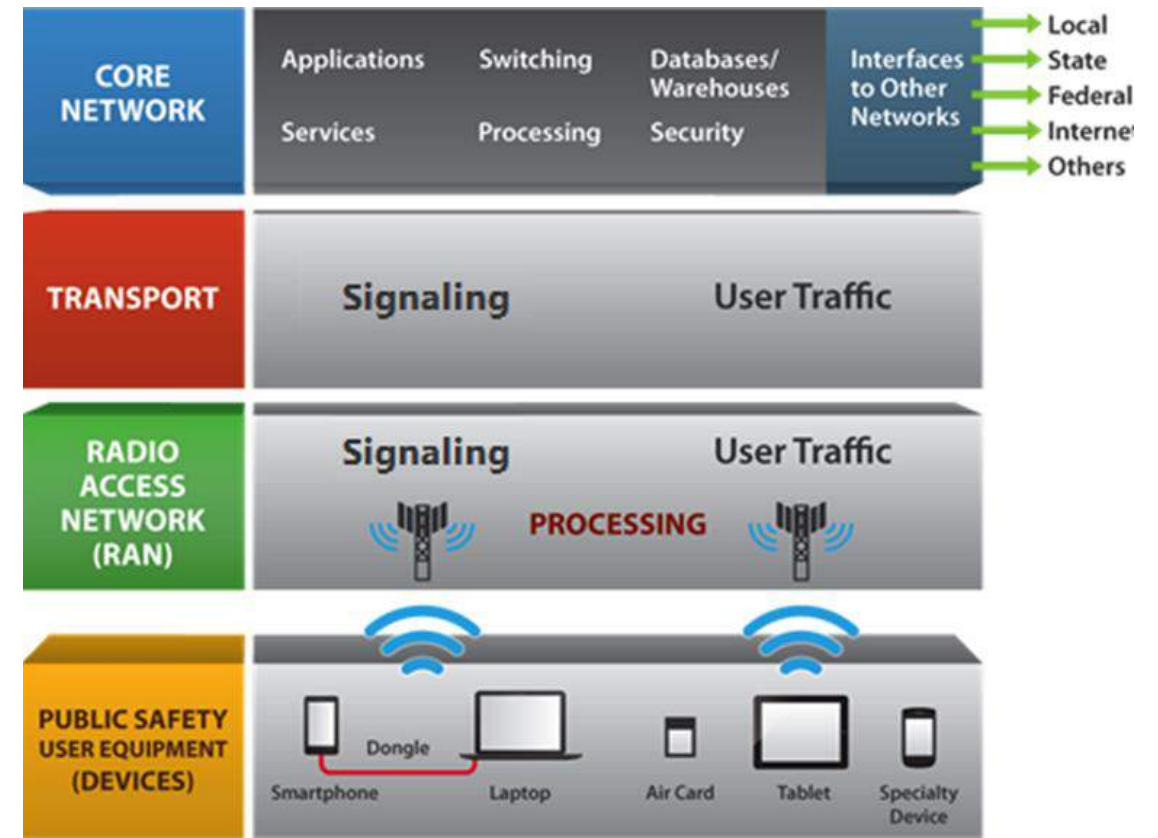
June 28, 2017



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





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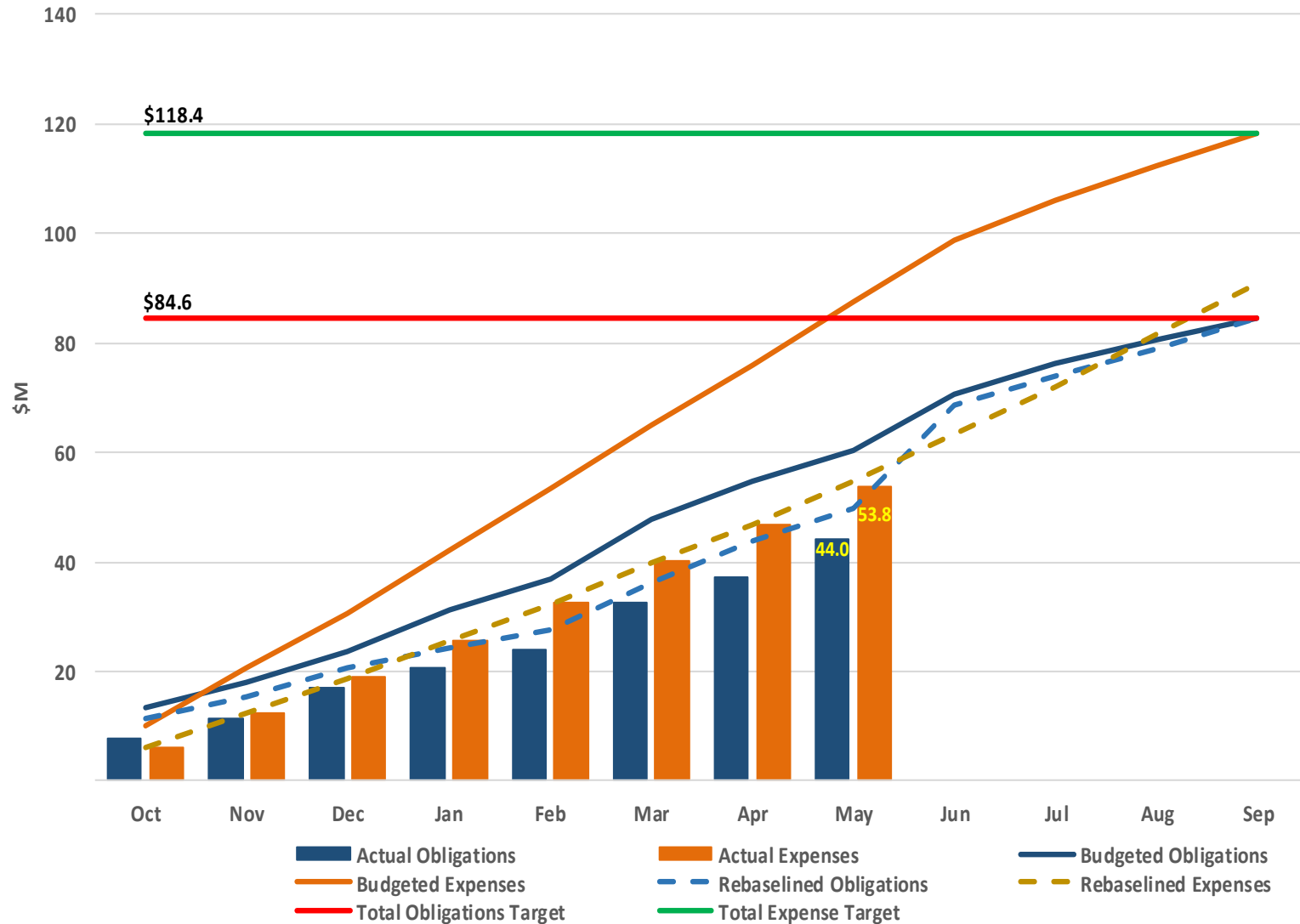
Finance Update

Kim Farington, Chief Financial Officer

June 28, 2017



FY17 FirstNet Cumulative Slide



Obligation Deltas

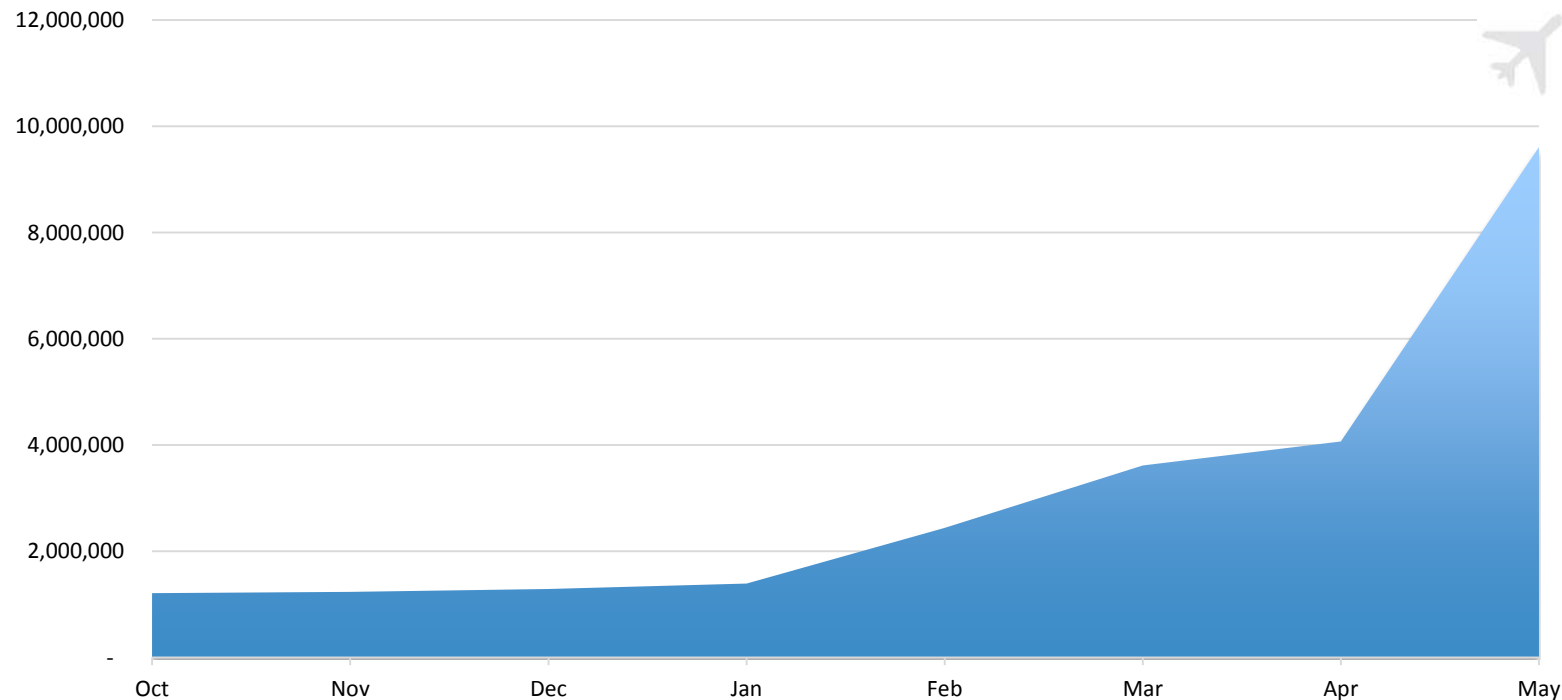
- \$6.1M – Deferred Support
 - \$3M Labor & Benefits
 - \$1.2M Outside Counsel Support
 - \$1.9M Lab Setup Procurements
- \$2.8M – Savings thru Competitive Actions
 - \$400k Comms Support
 - \$1.3M Program Execution Support
 - \$1.1M Cost Accounting

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

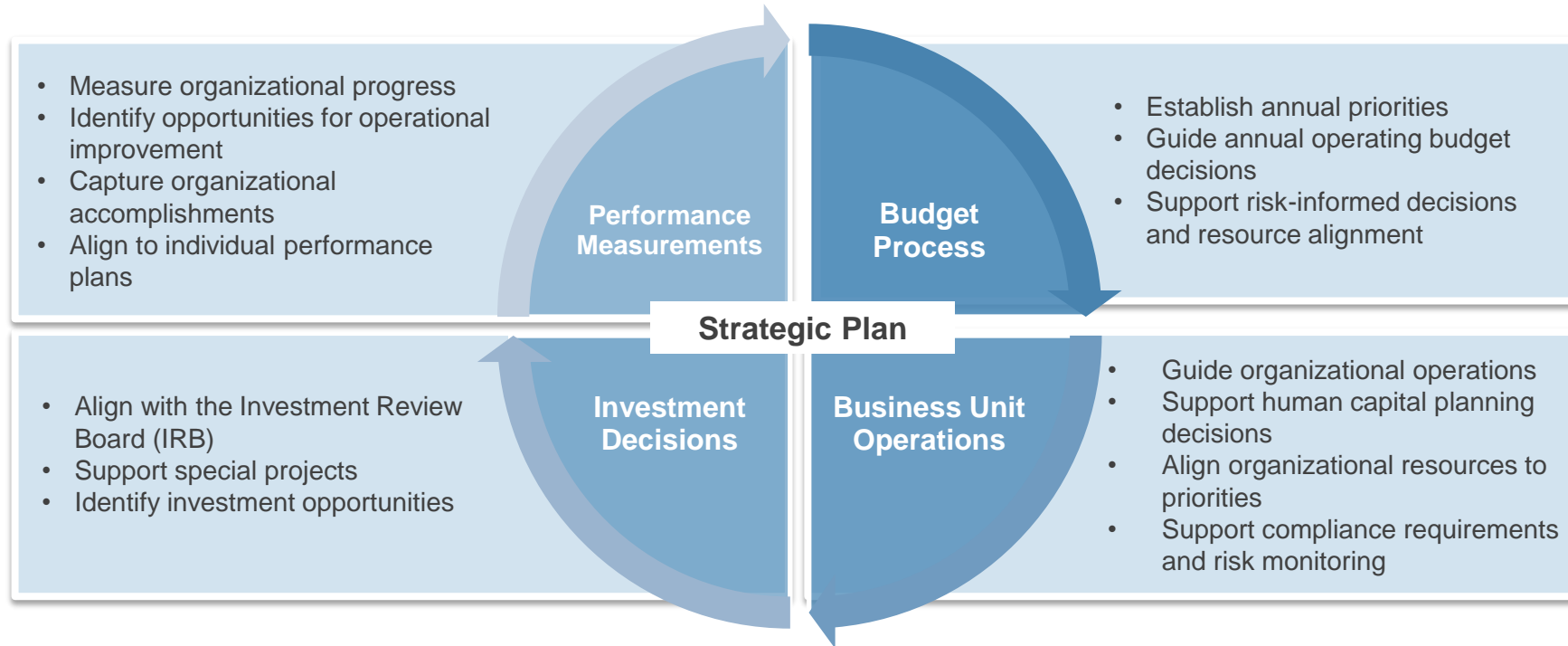
Nearly \$10 million in funds have been returned



**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

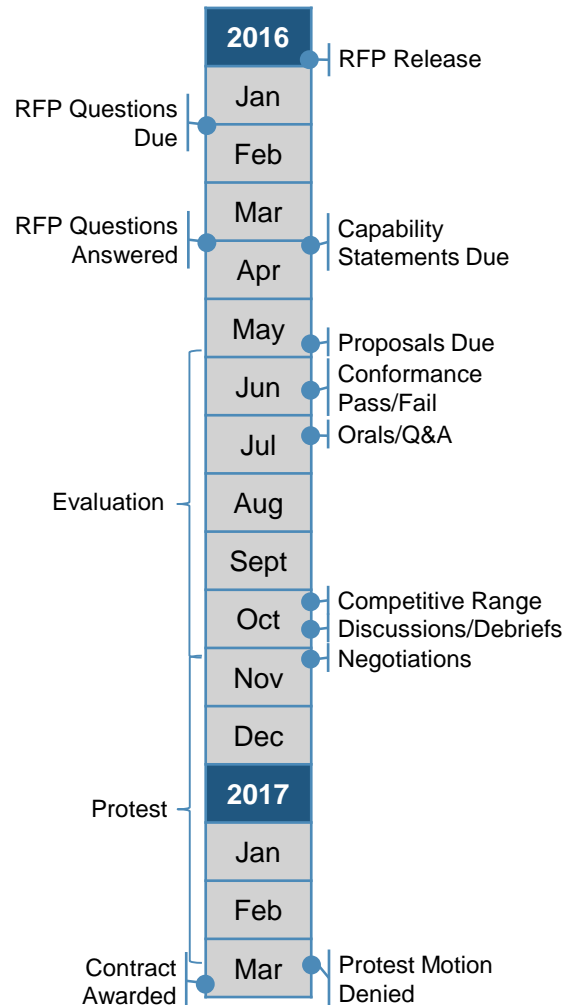
TJ Kennedy, President

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



*Award RFP
for Network
Partnership*

- State Plans Released
- State Plans Portal & FirstNet.com Portals Activated

- 90 Day Clock Ends
- Band 14 Marketplace Open

March

June

Sept.

2017/2018

March

- Protest Motion Denied

- Priority for opt-in States Available

- Governors 90 Decision Clock Starts
- Device & Application Ecosystem Completed
- FirstNet/AT&T Deployables Available
- FY18 Budget Approved

- RAN Build-Out for Opt-In States Initiated
- Preemption for Opt-In States Available

- FirstNet CORE Completed

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

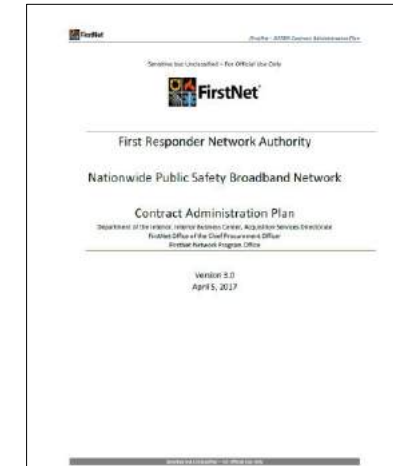
1. NPSBN contract awarded to AT&T



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



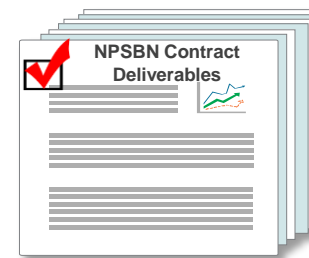
3. Implemented a contract administration plan



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



5. Reviewed and approved initial 30-day contract deliverables



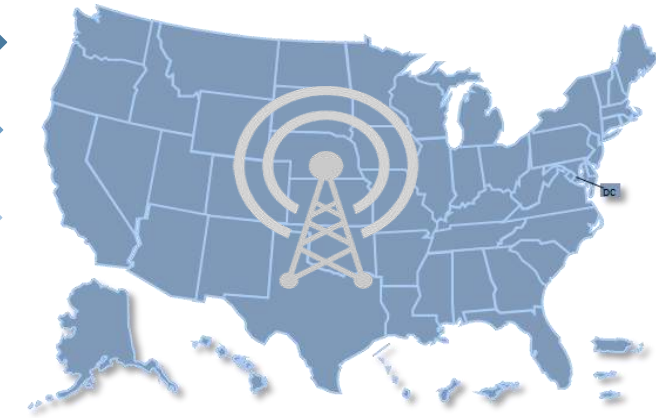
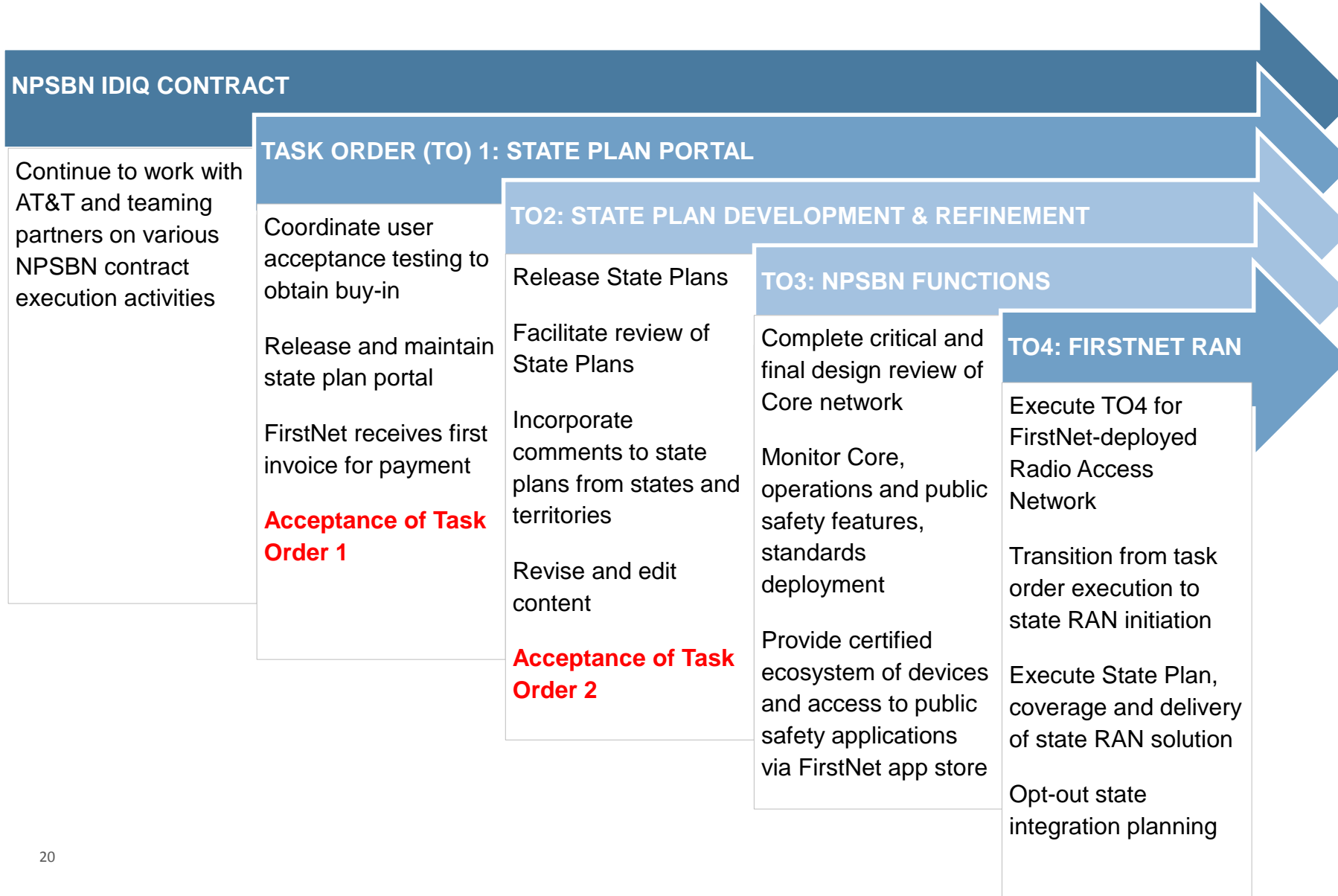
6. Established Program Management Reviews



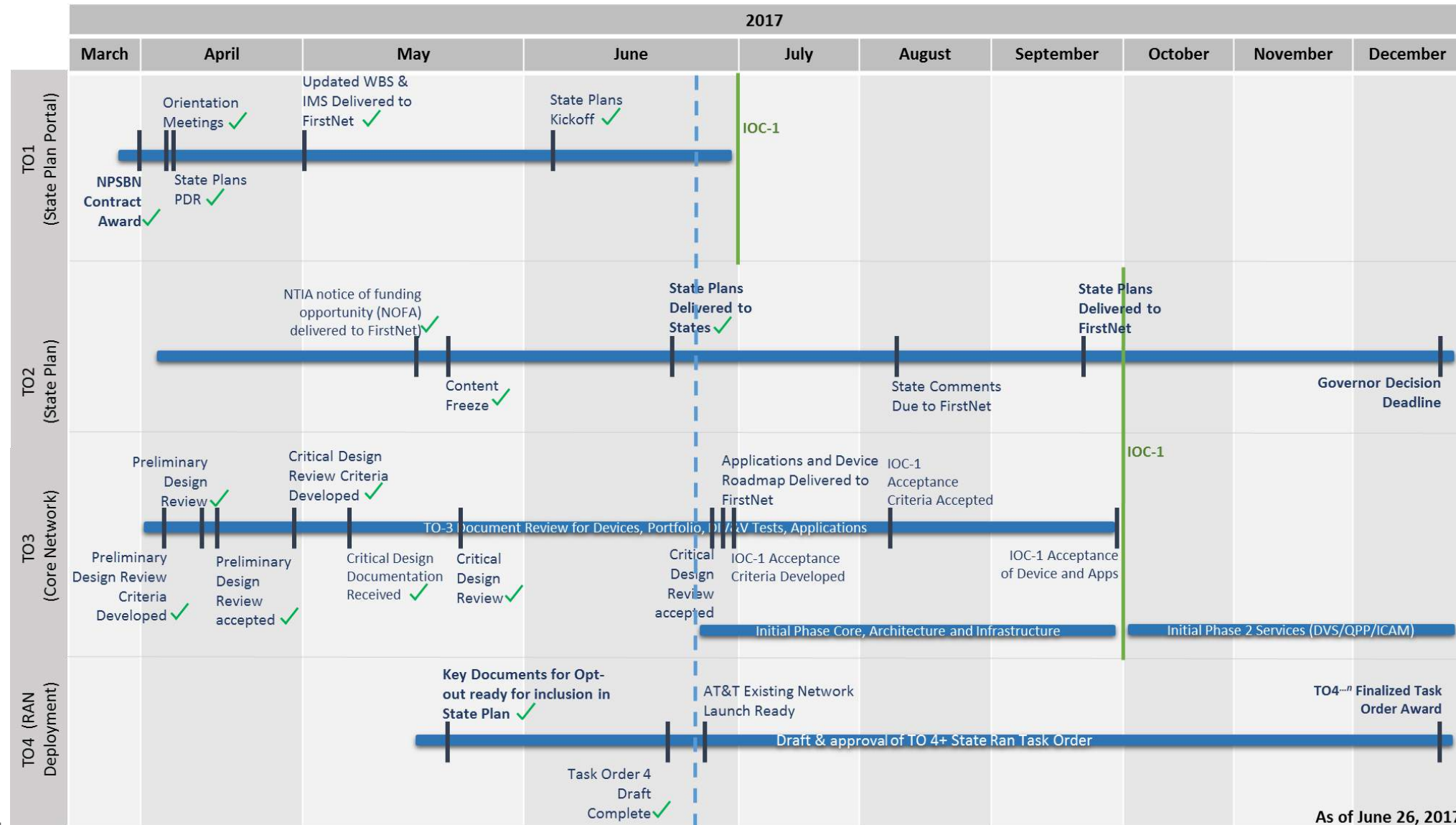
Key FirstNet and AT&T Events

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

Planned Activities For Next 90 Days



Joint FirstNet - AT&T NPSBN Program Schedule





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Technology Update

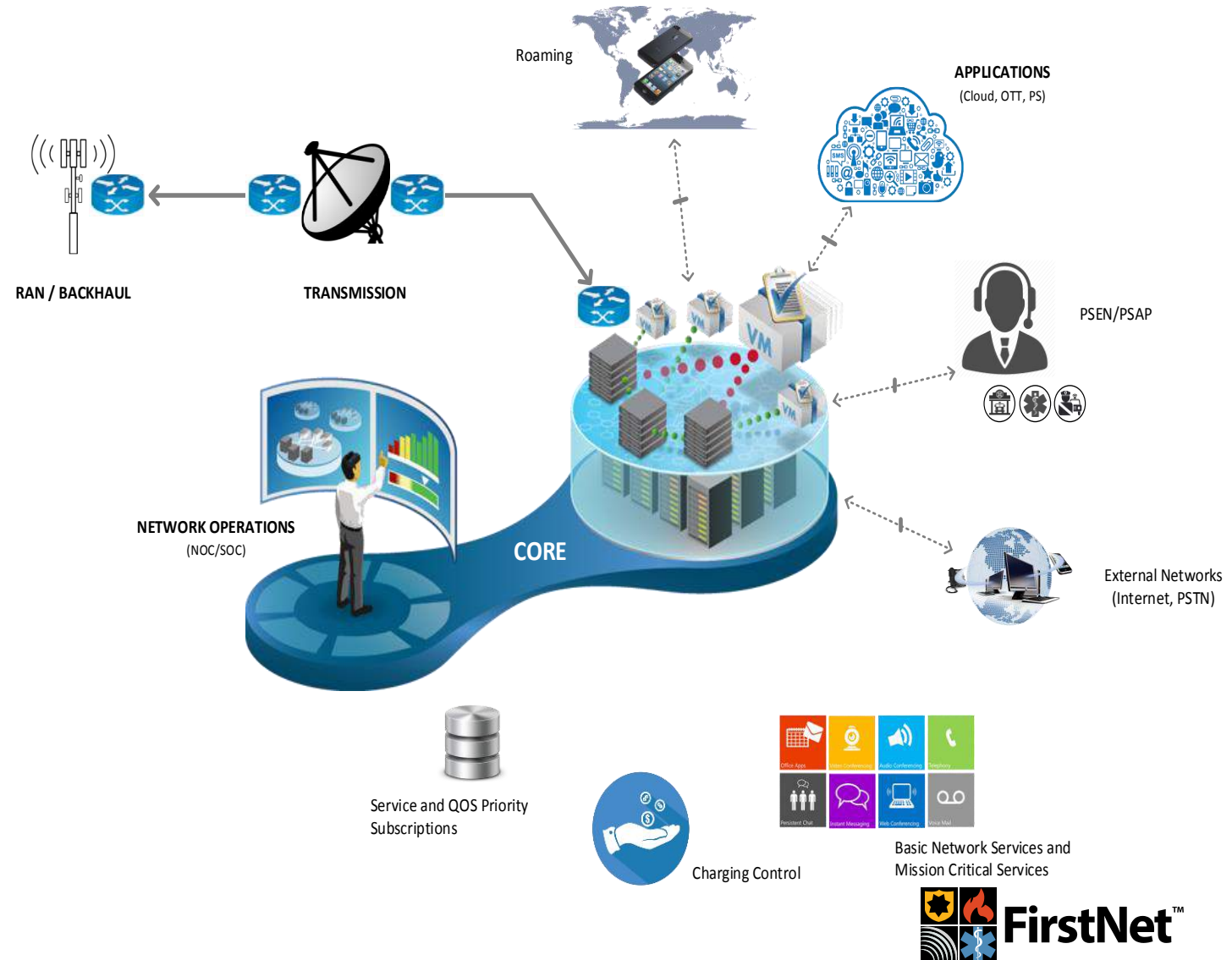
Jeff Bratcher, Chief Technology Officer

June 28, 2017

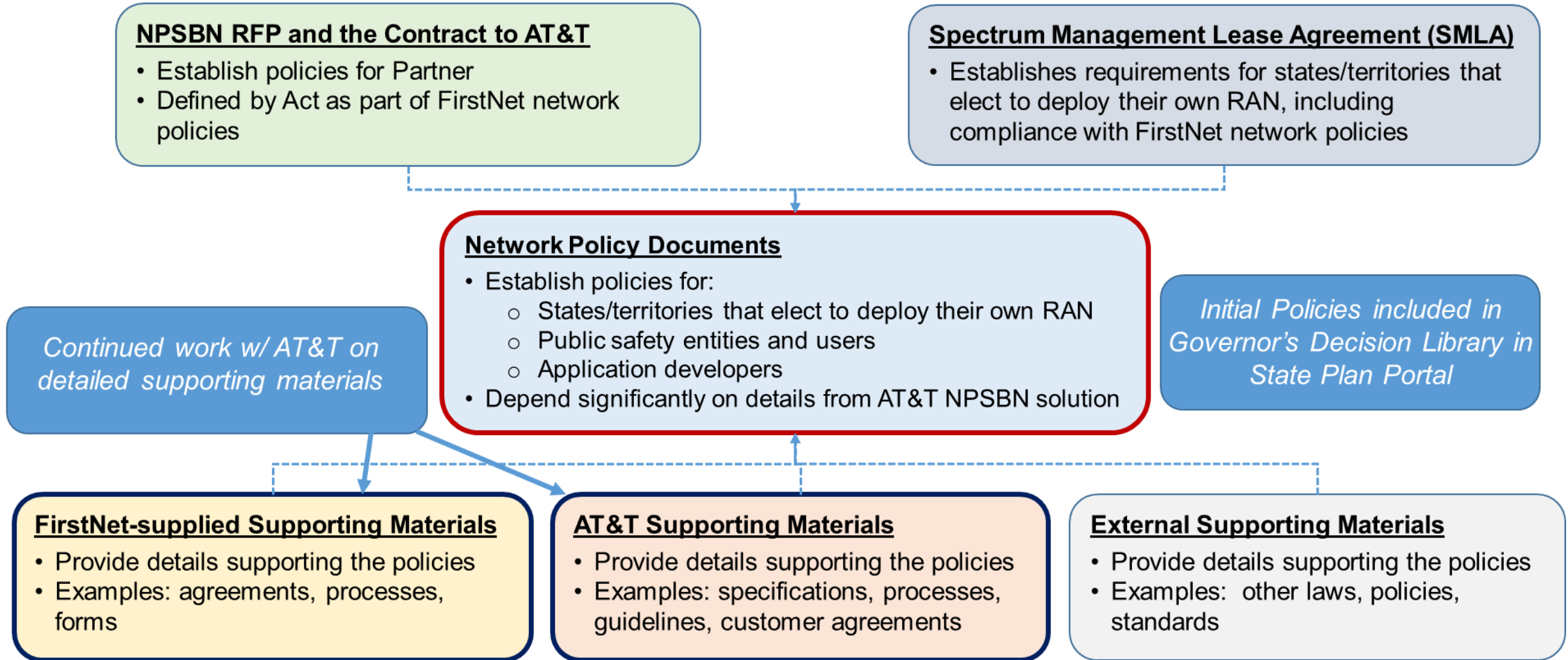


NPSBN Core Network Design Update

- 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 8-9th:** 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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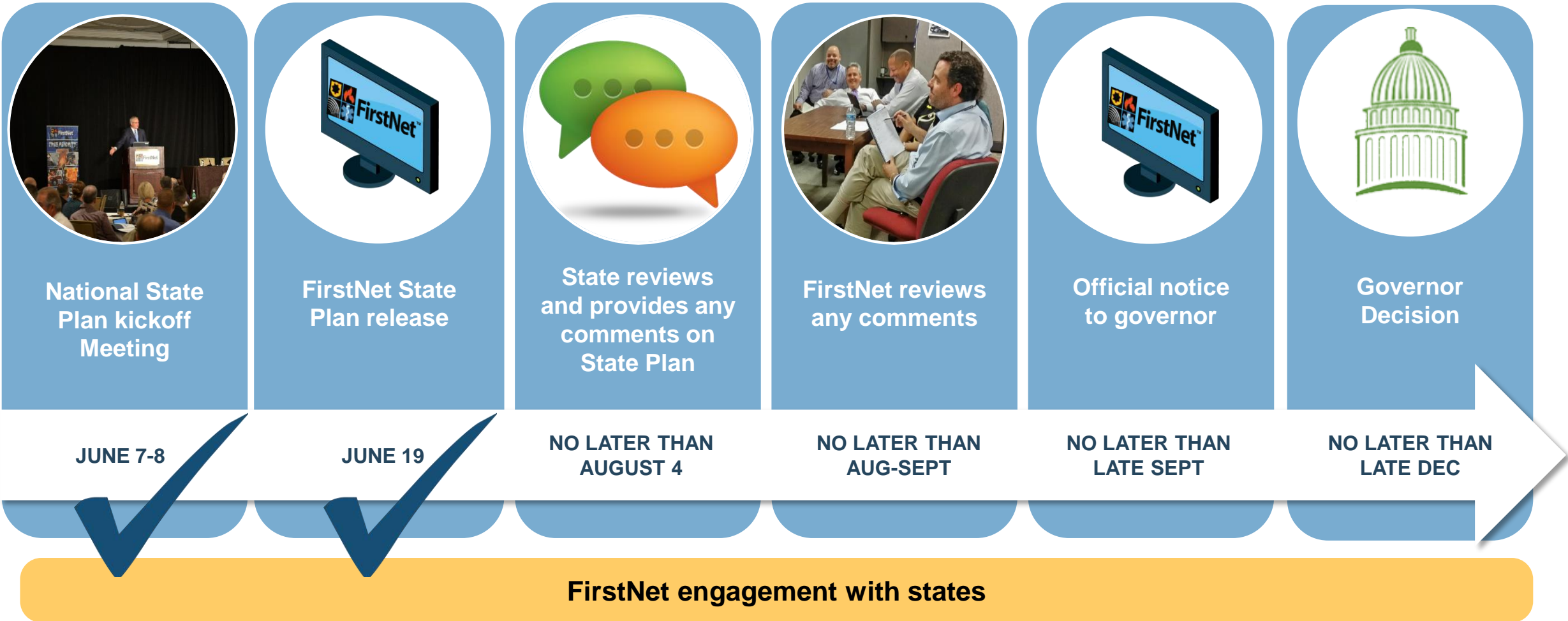
State Plans Update

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

FirstNet States

WHAT IS FIRSTNET? STATE PLAN CONSULTATION GOVERNOR'S DECISION COVERAGE NETWORK ARCHITECTURE PRODUCTS & SERVICES

Welcome Georgia

Your plan is ready

The Power of FirstNet is here for Georgia — delivering a dedicated and reliable nationwide public safety broadband network that meets the demands of public safety agencies and helps them keep our communities safe and secure.

[CONTACT YOUR LIAISON >](#)

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 21st 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

