



Combined Committee and Board Meeting

December 7, 2017





Governance and Personnel Committee Annual Performance Evaluation and Update

Sue Swenson, Governance and Personnel Committee Chair





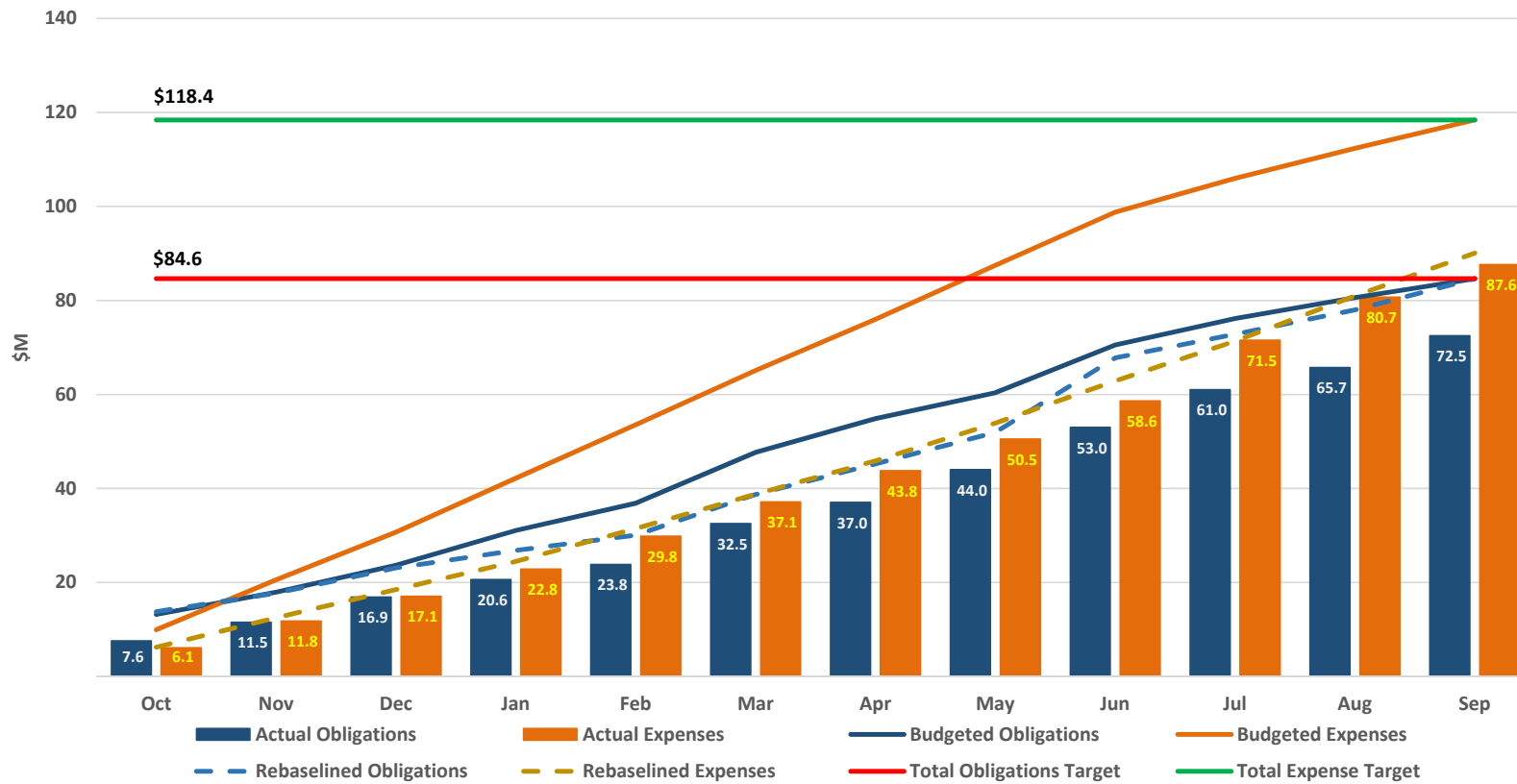
Finance Committee Annual Performance Evaluation and Update

James Douglas, Finance Committee Chair

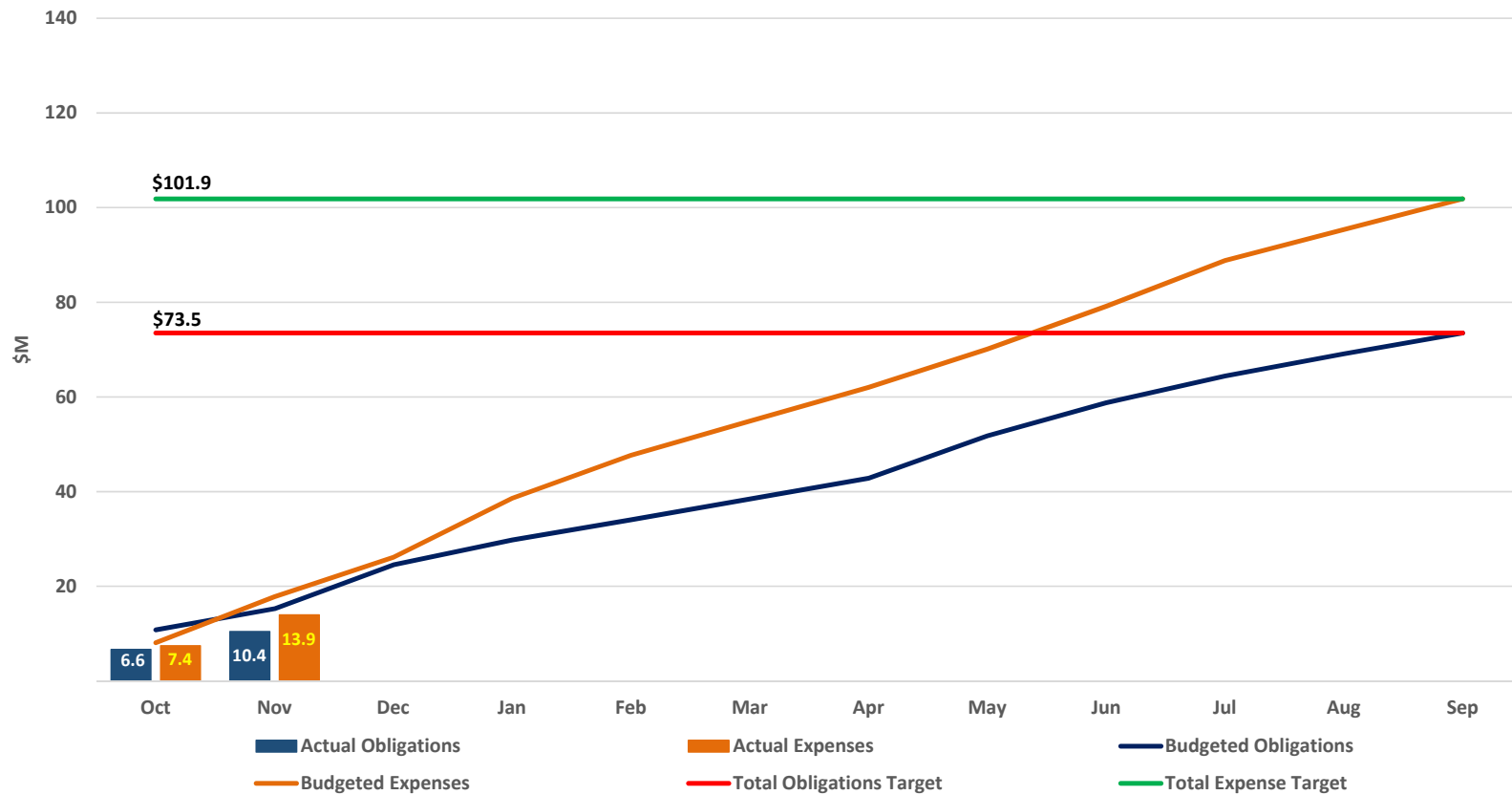
Kim Farington, Chief Financial Officer



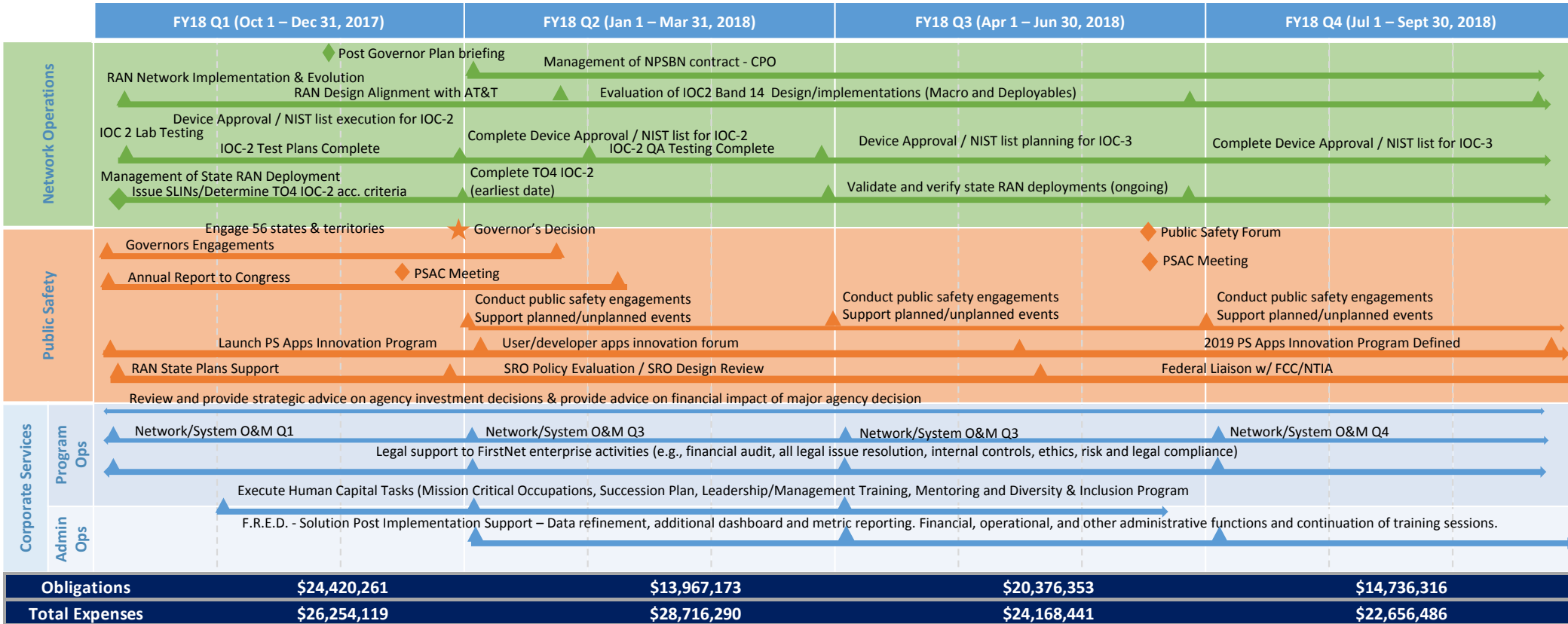
FY 2017 Cumulative Financial Results



FY 2018 Cumulative Financial Results



FirstNet Summary FY 2018 Milestones



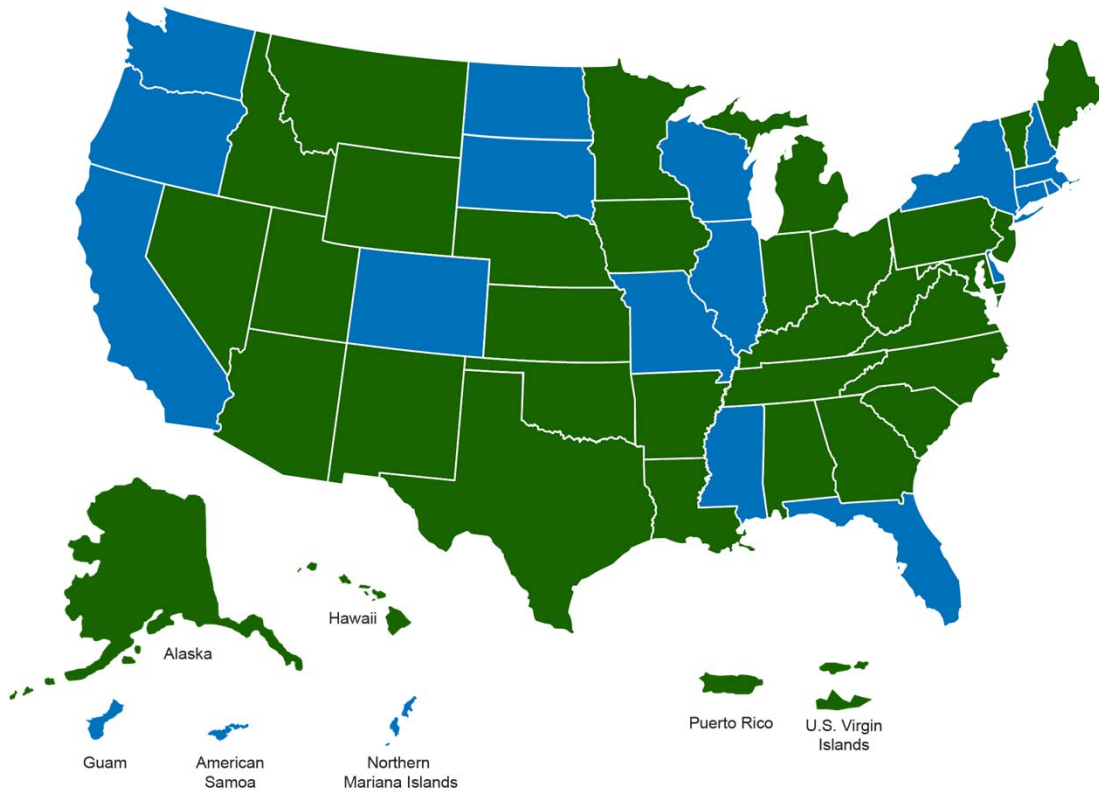


Consultation and Outreach Committee Annual Performance Evaluation and Update

Jeff Johnson, Consultation and Outreach Committee Chair
Rich Reed, Chief Customer Officer



35 Opt-In States | Territories (as of Nov. 30)



- Alabama
- Alaska
- Arizona
- Arkansas
- Georgia
- Hawaii
- Idaho
- Iowa
- Indiana
- Kansas
- Kentucky
- Louisiana
- Maine
- Maryland
- Michigan
- Minnesota
- Montana
- Nebraska
- Nevada
- New Jersey
- New Mexico
- North Carolina
- Ohio
- Oklahoma
- Pennsylvania
- Puerto Rico
- South Carolina
- Tennessee
- Texas
- U.S. Virgin Islands
- Utah
- Vermont
- Virginia
- West Virginia
- Wyoming

FirstNet Public Safety Sites

PUBLIC SITES

FirstNet.gov



FirstNet.com

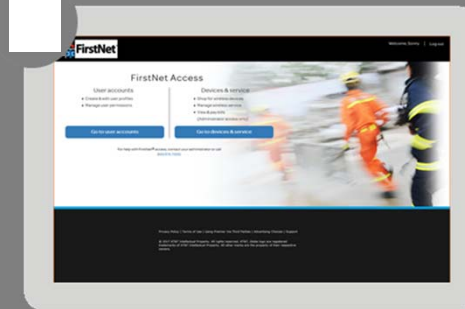


App Developer Portal

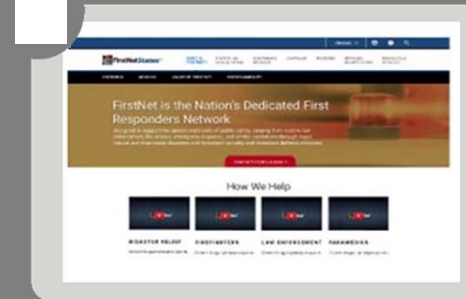


REGISTERED PUBLIC SAFETY USER SITES

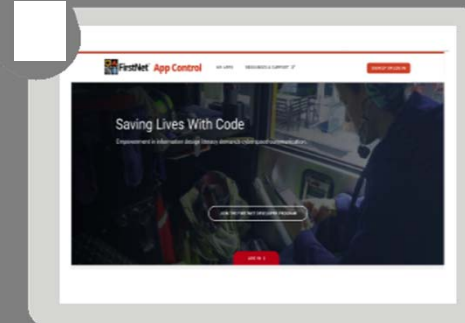
PS Homepage



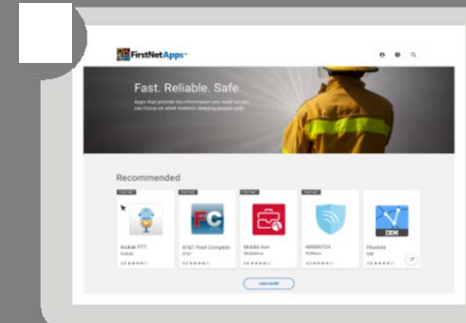
State Plan Portal



App Developer Console



App Store



International Exchanges

FirstNet Continues to Participate in Exchanges With Peer Programs Internationally

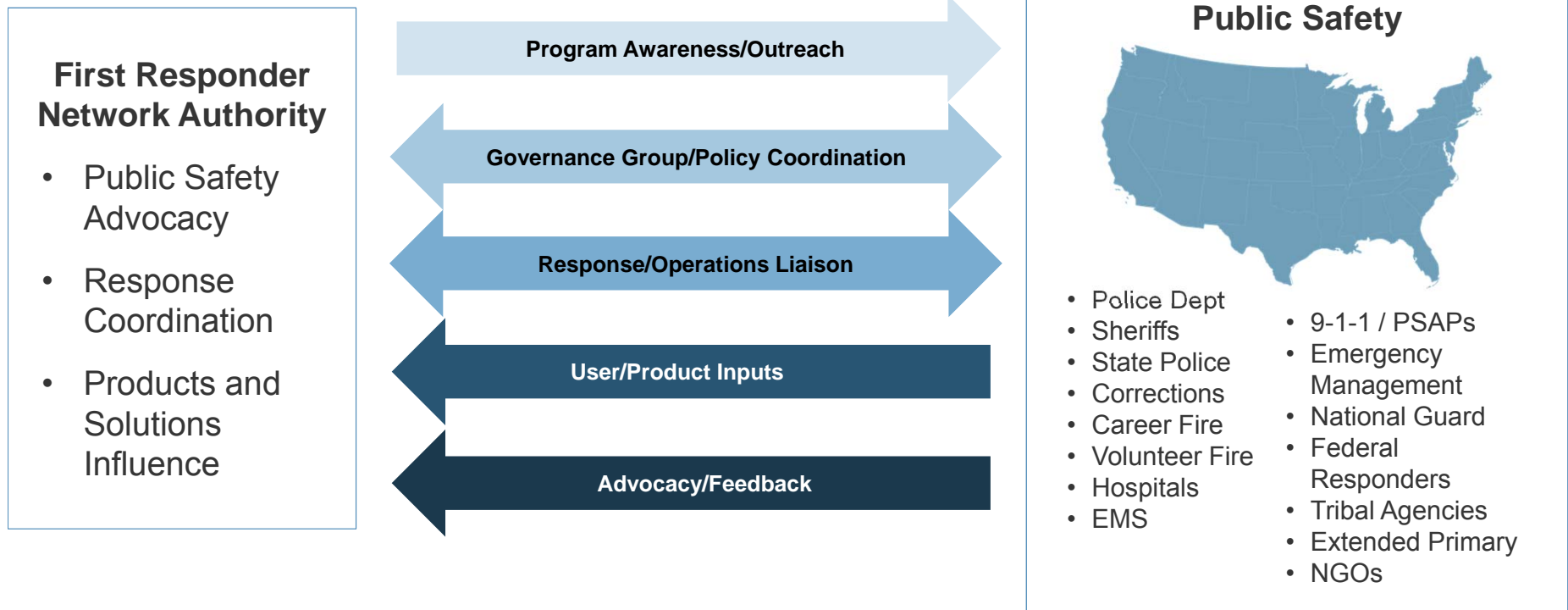
- **Nov 2017:** FirstNet Webinar – 13 nations, 50 public safety wireless leaders
- **Nov 2017:** Keynote delivery and workshop – Europe (PSCE) Conference
- **Nov 2017:** FirstNet hosted Norwegian public safety and communications leaders
- **May 2018:** Second in-person meeting of global public safety wireless leaders

Each Nation Benefits from Exchanges

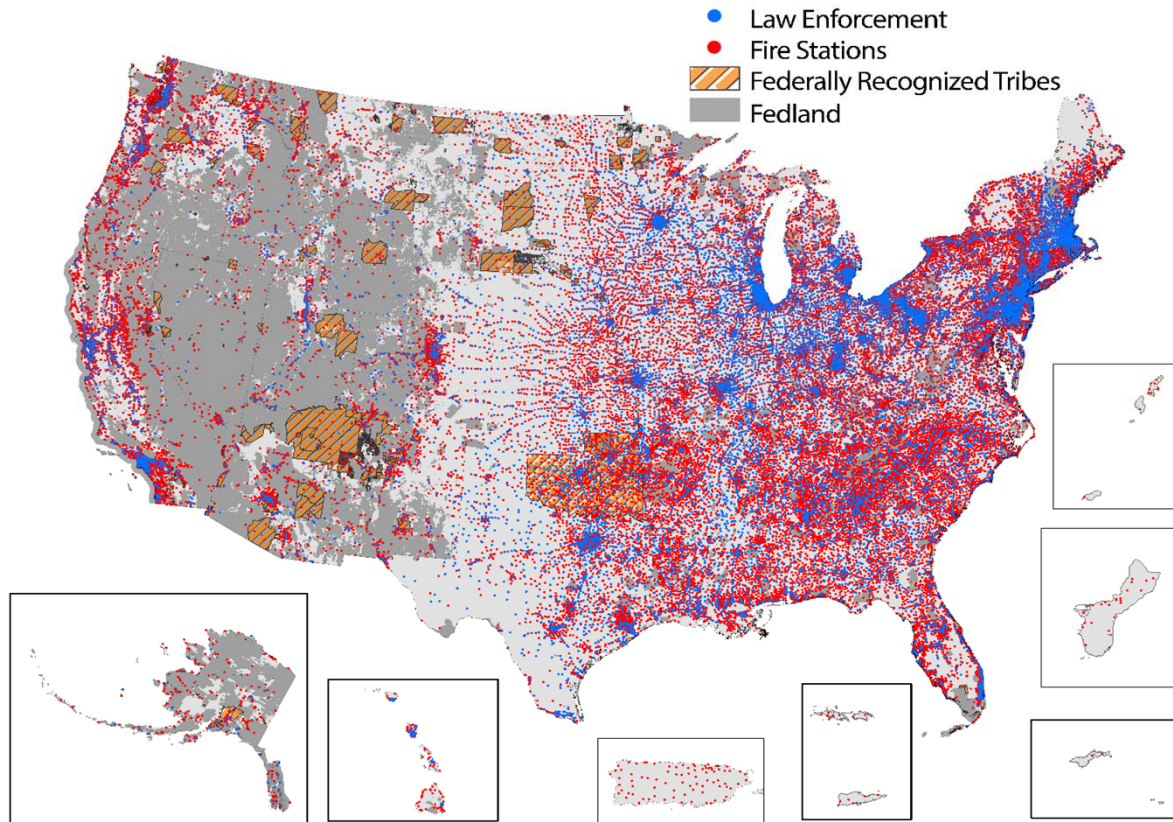
- Economies of scales
- Shared lessons learned
- Expanded innovation
- Improves border area communications
- Larger pool of APIs
- Public safety leverage on global standards



Focus on Engagement, Advocacy and Innovation in 2018



Public Safety Advocacy



Drive FirstNet's Engagement to Gather Input from Users and Support the Public Safety Community

- Promote expanded use of broadband services and FirstNet adoption
- Engage entities/users to obtain feedback
- Develop and foster user communities
- Leverage the Public Safety Advisory Committee
- Implement Tribal consultation policy

60,000+ agencies • 4-13M personnel • 3,144 counties • 567 federal tribes • 14+ federal agencies



Products and Solutions Influence

- Influence **Existing** Products and Solutions for Continuous Improvement, Differentiation
- Inform **Planned** Products and Solutions Based on Public Safety Needs
- Identify **Future** Products and Solutions Based on Public Safety Evolving Needs



- Focus Groups
- Use Cases
- Product Design
- Product Requirements
- Pilots/Testing
- Reinvestment



Tribal Consultation Policy



- Oct 18: FirstNet Tribal Consultation Policy Launched
- Policy Creates Foundation for Ongoing Dialogue, Discussion, and Direct Consultation to Ensure Indian Country's Voice is Heard
- See Policy And Process To Request Consultation on Firstnet.gov



Public Safety Advisory Committee Update

Tom Sorley, PSAC Chair



PSAC Briefings with AT&T

User Profiles

Understand methodology and discipline-specific considerations for choosing attributes

Additional meetings to be scheduled on ICAM and the PSAC's vision for federated identities

Public Safety Grade

Leverage after action reports and data to graphically demonstrate differentiators

Future meetings to consider reporting and accountability around public safety grade

PSAC Meetings



Past: Fall 2017 PSAC Webinar

- Wednesday, Sept. 27,
2 p.m. ET
- Virtual

Upcoming: Winter 2017 PSAC Meeting

- Thursday, Dec. 14,
8 a.m. – 5 p.m. ET
- Atlanta



2018 PSAC Priorities

- Continue collaboration with FirstNet and provide assistance with technology questions and developments
- Offer additional situational and operational recommendations to FirstNet and AT&T
- Develop discipline-specific information to increase understanding of the FirstNet network, adoption of service, and improve public safety planning efforts



Technology Committee Annual Performance Evaluation and Update

Neil Cox, Technology Committee Chair
Jeff Bratcher, Chief Technology Officer



FirstNet Innovation and Test Laboratory

- **Aug 8:** FirstNet Visits AT&T Willows Lab, Redmond
- **Aug. 23:** Installation of LTE Equipment
- **Sept.13:** IOC-1 Feature Demonstrations
- **Nov. 9-14:** RAN Load Test Tool Installation and First Call

Ready For QOS, Priority And Preemption Validation

FirstNet Applications Ecosystem

FirstNet Local Control

ADMINISTRATION

NETWORK STATUS

Administration

Management

Manage users
Add, edit and remove users

MANAGE USERS >

Manage services & billing
Assign or remove devices, change rate plans & features, view & pay bills, update information, manage push-to-talk

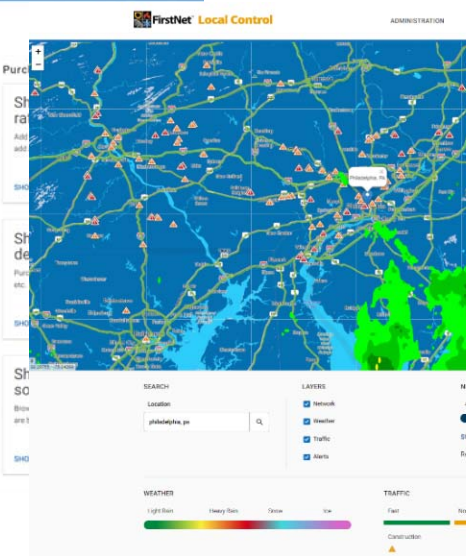
MANAGE SERVICES & BILLING >

Manage apps
Push an app to your Mobile Device Management(MDM) solution, recommend apps, block apps

MANAGE APPS >

View wireless reports
View device inventory, rate plan summary, early termination fees, upgrade eligibility, device unlock eligibility

VIEW WIRELESS REPORTS >



Network Status

FirstNet Developer Portal

DEVELOPER PROGRAM GOVERNANCE EVENT CALENDAR APP CATALOG DISTRIBUTE APPS

Develop Apps for FirstNet. Help Build a Safer World.

- Be part of an innovative team of public safety community developers that develops apps to help save lives every day being used by millions of first responders nationwide. Open to all developers. Join now. **MEMBERSHIP**
- Develop innovative cutting-edge apps using advanced APIs and award-winning optimization tools. All these available to you at no charge through the FirstNet Developer program. **DEVELOP**
- Learn about certification process and approval guidelines to publish your app in the FirstNet App Store. **CERTIFICATION**
- Use App Control to manage and restrict app usage on your entire fleet. **DISTRIBUTE**

Upcoming Events

Hackathon

October 08
Fri 06:00 PM - Sat 09:00 PM
AT&T Government Hackathon - Washington DC

App Developer Portal

FirstNet App Store

Fast. Reliable. Highly Secure.

Apps that provide the information you need so you can focus on what matters: helping people safe.

FILTERS

Category: All Categories
Branch/Discipline: All Branches/Disciplines
Platform: Android

10 Results

- FirstNet Certified: AT&T Enhanced... AT&T Services, Inc. Android
- FirstNet Certified: NetMotion Mobility NetMotion Software, Inc. Android
- FirstNet Certified: Mobile@Work Mobilisation Android
- FirstNet Certified: MobileIron Go MobileIron Android

App Store

Local Control

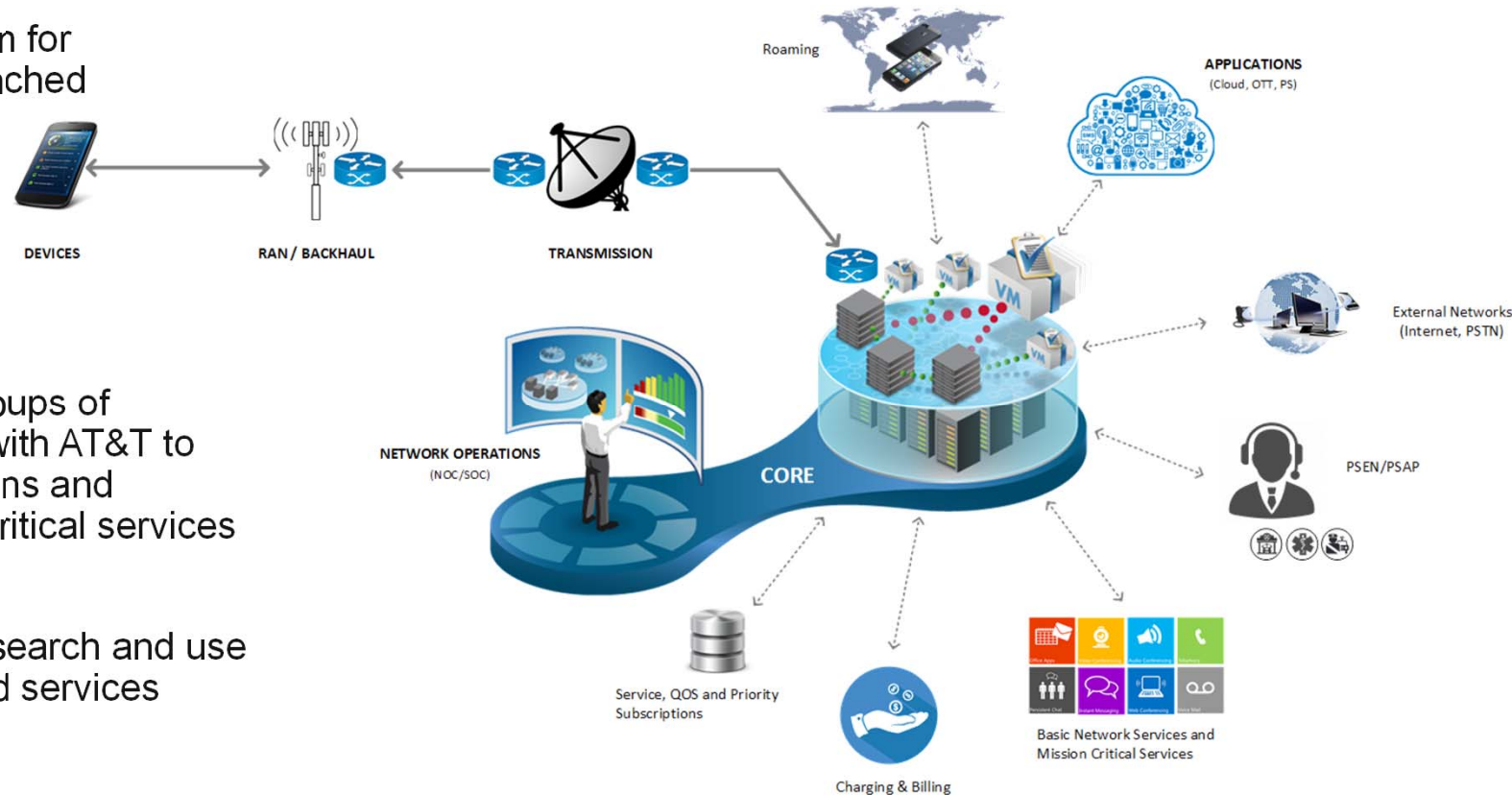
Applications Innovation and Interoperability



- Innovation
- Standards
- Open APIs
- ICAM
- Middleware
- Test and Certification
- Mutual Aid

FirstNet Core Update

- Finalized design solution for FirstNet Core to be launched in IOC-2 (March 2018)
- Lockdown of mission-critical services across all IOC/FOC phases
- Established focused groups of technical engagement with AT&T to discuss recommendations and definitions for mission-critical services and enablers
- Documented market research and use cases on location-based services



Enabling Public Safety with Devices



Smartphones | Tablets
Feature Phones | Ruggedized



In Vehicle Routers (IVR)
Mobile Data Terminals (MDT)
Modems

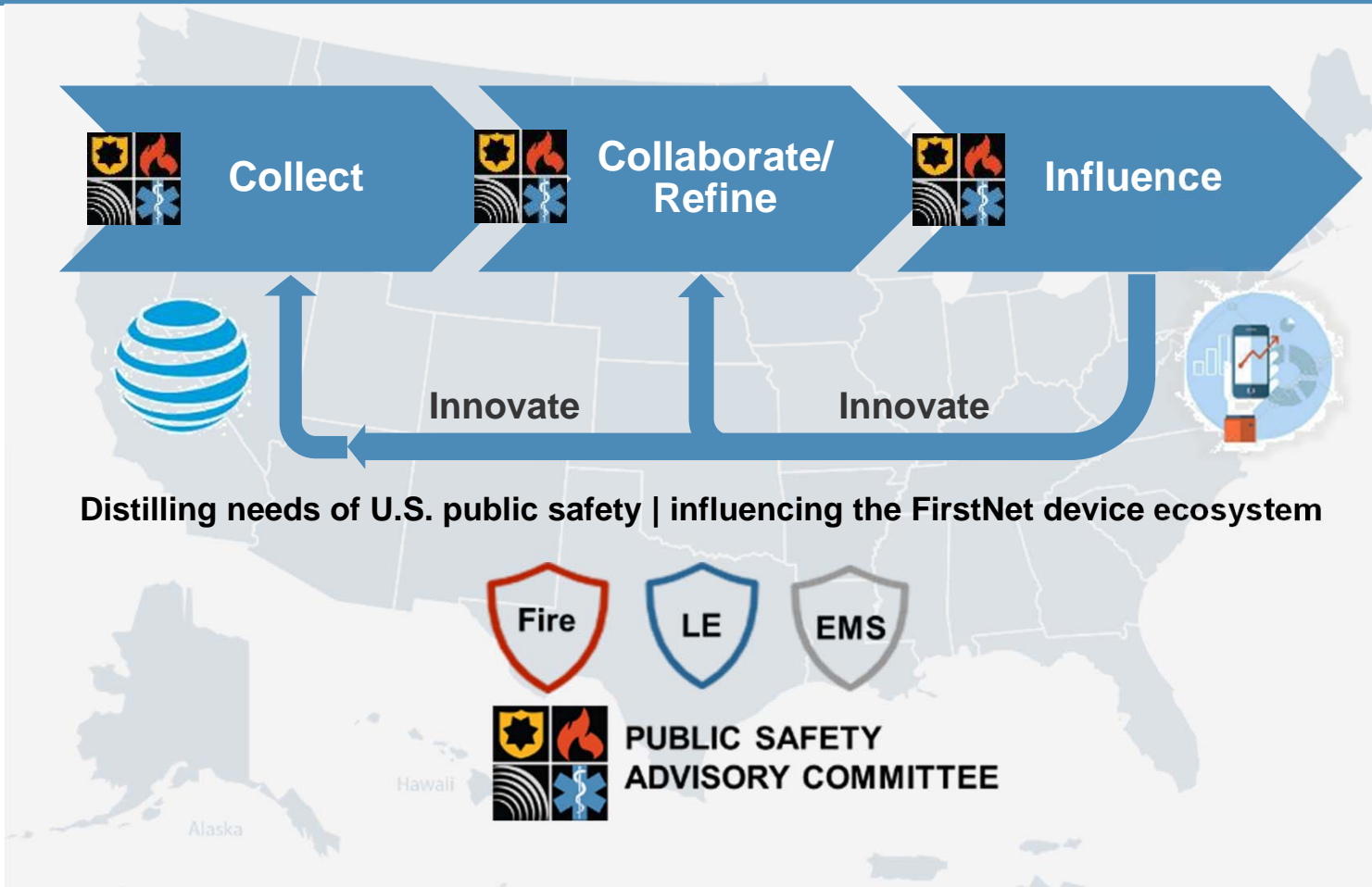


Wearables | Hands-free
Gloved Usage | IoT



Built on economies of scale to reach COTS pricing and availability

Influencing Device Ecosystem



Protect



Connect



Situationally
Aware



FirstNet Device Approval Program (DAP)



- Program up and running
- Process documented and agreed by NIST, FirstNet and AT&T



- Portfolio updates expected monthly
- IOC-2 DAP audits and verifications week of Jan. 22 at AT&T Austin
- IOC-2 NIST list targeted end of January/early February

Recent Standards Accomplishments

Common API Framework

ProSE

MBMS/IOPS

Mission-Critical Services

Quality of Service, Priority, Preemption

GSC

3 GPP Release 14

Mission-Critical Video

Mission-Critical Data

Mission-Critical Push to Talk– Enhancements and Realignment

Technical Report for MCPTT-LMR Interoperability

Standards Strategy

Wireless Technologies	Interoperability w/Legacy	Apps
<p data-bbox="142 602 663 688">Continue to Drive Activities in 3GPP</p> <ul data-bbox="92 716 646 878" style="list-style-type: none"><li data-bbox="92 716 579 802">• Enhance Mission-Critical Services and Enablers<li data-bbox="92 837 646 878">• 5G Support for Public Safety	<p data-bbox="772 602 1335 646">Engage on Legacy Standards</p> <ul data-bbox="743 716 1360 808" style="list-style-type: none"><li data-bbox="743 716 1360 808">• Interworking Between LMR/LTE PTT Systems (3GPP, ATIS/TIA)	<p data-bbox="1394 602 2011 695">Drive Adoption of Existing and Creation of New Apps Standards</p> <ul data-bbox="1394 716 2011 1019" style="list-style-type: none"><li data-bbox="1394 716 1965 857">• Focus on Interoperable Data Exchange (Formats, Schema, Etc.)<li data-bbox="1394 889 2011 1019">• Create and Enhance Application Standards Based on Gaps Identified



Network Program Office Update

James Mitchell, Network Program Office



Program Accomplishments



State Plans

- Accepted delivery of all 56 State Plans and coordinated IOC-1 acceptance and payment for Task Order 2
- Monitored key performance indicators (KPIs) for State Plan Portal to ensure portal availability



Core and Lab

- Approved AT&T artifacts and coordinated IOC-1 acceptance and payment for Task Order 3
- IOC-2 Requirement Traceability Matrix development and review ongoing



Devices and Apps

- CTO launched Apps Ecosystem, including:
 - App Developer Portal
 - Local Control
 - Public Safety Home Page
 - FirstNet Application Store
- Refined the Device Approval Program and related processes to authorize devices for network operation



RAN Deployment & Operations

- Task Order 4 finalized in preparation for state RAN buildouts
- Established reporting requirements for AT&T to ensure effective oversight of RAN buildout
- Established Network Operational KPIs
- Spectrum clearing activities continued on schedule



Program Operations

- Roll out organization-wide Knowledge Management methodology and processes
- Identify opportunities to leverage existing contract to support other federal agencies

Upcoming Activities



Band 14 Network Deployment

- Governor's decision is green light for contract action initiating deployment in mid-2018



Manage Delivery of Products & Services

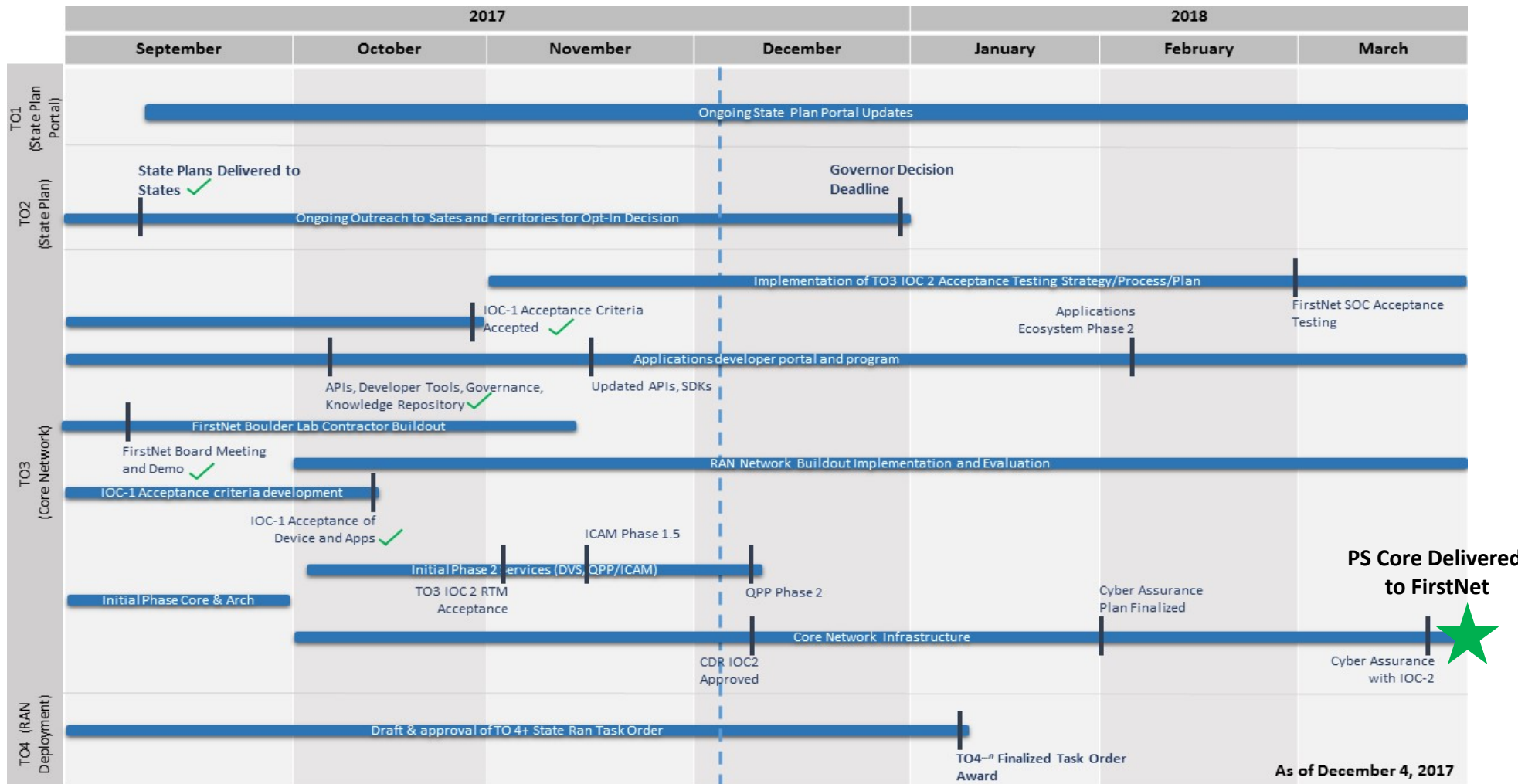
- FirstNet Core delivered in March of 2018
- Public safety Band 14 device portfolio
- Data, video service and messaging, and VoLTE
- Consumer-grade Push-to-Talk
- FirstNet Wireless Emergency Alerts/Lawful Interception/9-1-1



Complete and roll out NPSBN Dashboard

- Visualization of network performance, adoption, reinvestment, risk, contract management, etc.

Joint FirstNet – AT&T NPSBN Program Schedule





CEO Update

Mike Poth, Chief Executive Officer



From Governors' Decision Deadline through Six-Month Core Operation





Closed Session of the Board