



Combined Committee and Board Meeting

June 26, 2019



Combined Committee and Board Agenda

10:00 – 10:15 a.m.	Governance and Personnel Committee Update
10:15 – 10:30	FirstNet User Spotlight
10:30 – 10:45	Public Safety Advisory Committee Update
10:45 – 11:30	Public Safety Advocacy and Technology Committee Updates – FirstNet Authority Roadmap
11:30 – 11:45	Finance Committee Update
11:45 – 12:00 p.m.	Closing Remarks



Governance & Personnel Committee Update

Edward Horowitz | Committee Chair



Board Resolution 99: Expression of Thanks for the Services of Teri Takai

WHEREAS, Teri Takai has served admirably as a founding, and the longest standing, member of the FirstNet Authority Board since its inception in 2012 and as an influential member of the Board's Governance and Personnel Committee and the Public Safety Advocacy (formerly known as the Consultation and Outreach) Committee;

WHEREAS, Teri Takai has notably represented the state and local government communities, and her expertise in government information technology and her extensive experience as the Chief Information Officer for the states of Michigan and California have been invaluable to the FirstNet Authority Board;

WHEREAS, Teri Takai has contributed instrumental input and provided invaluable strategic expertise to the Board as the FirstNet Authority created its formative roadmap to guide management from inception and startup through the release and evaluation of the Request for Proposals (RFP) for the Nationwide Public Safety Broadband Network (NPSBN), to the contract award to AT&T and the successful opt-in decisions from all 56 states, territories, and the District of Columbia, to the deployment of the NPSBN and the development and implementation of the FirstNet Authority Roadmap;

NOW THEREFORE BE IT RESOLVED that the FirstNet Authority Board hereby extends its formal appreciation to Teri Takai for her extraordinary service and dedication as a member of the FirstNet Authority Board.

Chief Harlin R. McEwen Public Safety Broadband Communications Award – Seeking Nominations

- Created in honor of Chief Harlin R. McEwen (Ret.) for his extraordinary expertise, experience, and leadership as the founding Public Safety Advisory Committee Chair
 - Honors remarkable leadership or made significant contributions in the field of public safety broadband communications
 - Recognizes the spirit of service, commitment, and dedication that is a proud tradition among public safety
 - Any sworn or civilian member of public safety (fire service, law enforcement, EMS, emergency management, and 911/emergency communications) is eligible
- The FirstNet Authority is seeking nominations through FirstNet.gov at <https://firstnet.gov/about/board/award/McEwen> through September 30, 2019





FirstNet User Spotlight

Tyler Clements | Field Coordinator, State of Indiana



Indiana FirstNet

‘From Inception to Reality’



FirstNet Board Meeting | Indianapolis, Indiana

June 26, 2019

Presented by: Tyler M. Clements

Tyler M. Clements
**Field Coordinator – Integrated Public
Safety Commission**

**Indiana; Incident Management Assistance Team –
Communications Unit Leader Type 3**



Indiana FirstNet

Indiana FirstNet Launch – October, 2017
Governor Eric J. Holcomb; opt-in



Indiana to
opt-in to
FirstNet Network



FirstNet Launch Conference
November, 2017



Winter - 2018

Testing Begins, user-case videos
filmed

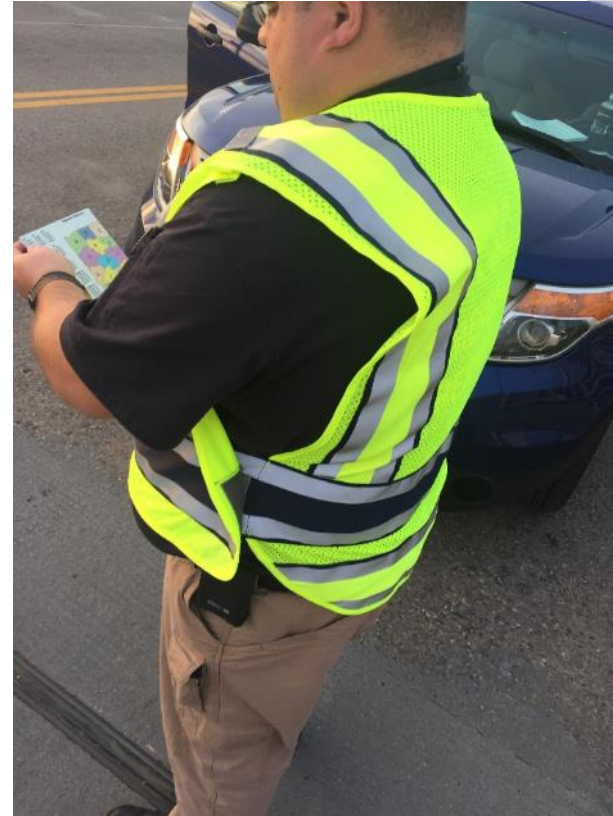


Indiana FirstNet Deployment

11

Spring – 2018

State Agency Deployment



Thunder Over
Louisville



Indiana FirstNet Deployment

12

July – 2018 State Level Exercise



Muscatatuck Urban
Training Center



Indiana FirstNet Deployment

13

August – 2018
Terre Haute Air Show



And so it began



Statewide Events – April



14



Spring / Summer 2019

15

2019 Thunder over Louisville



Spring/Summer 2019

16

103rd Running of Indianapolis 500



Preparing for the Future

17



Hurricane Michael Shipment

Indiana Emergency Cellular Drop-Kit



Questions?



Contact Information

19

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317-605-4377





Public Safety Advisory Committee Update

Todd Early | PSAC Chair






Tribal Working Group (TWG) 2019 Activities



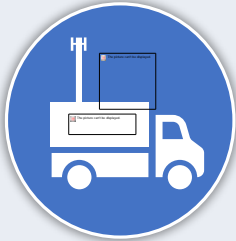



- Met with FirstNet Authority staff and Board in Nashville, TN on April 29 and 30
- Solidifying TWG delegates' role as FirstNet Champions
- Hold monthly TWG teleconferences to share organizational updates, success stories, and challenges
- Continue to support the FirstNet Authority's tribal consultation policy and tribal outreach, education, and engagement throughout Indian Country

PSAC Webinar Series and Strike Teams

January 2019 Webinar	February and March 2019 Webinars	May 2019 Strike Team
Mission Critical Video	FirstNet Authority Roadmap	FirstNet Experience Center
		

Proposed Future Webinar Series Topics and Strike Teams

Communications Unit (COMU) and Communications Unit Leader (COML)	Network Status Tool Updates	Deployables	Telehealth Use & Policies
			

June In-Person PSAC Meeting

- Met with FirstNet Authority leadership, staff, and Board members in Bedminster, NJ on June 4 and 5
- Toured AT&T's Global Network Operations Center and Cell on Wheels deployable
- Participated in breakout sessions on the FirstNet Authority Roadmap domain priorities
- Received updates from Public Safety Communications Research (PSCR) and AT&T leadership
- Received briefings from the Public Safety Advocacy (PSA) team on upcoming engagements and engagement strategy
- Discussed TWG activities, webinar series, and future Strike Team opportunities





FirstNet Authority Roadmap

Public Safety Advocacy and Technology Committee Updates

Richard Stanek | Committee Chair

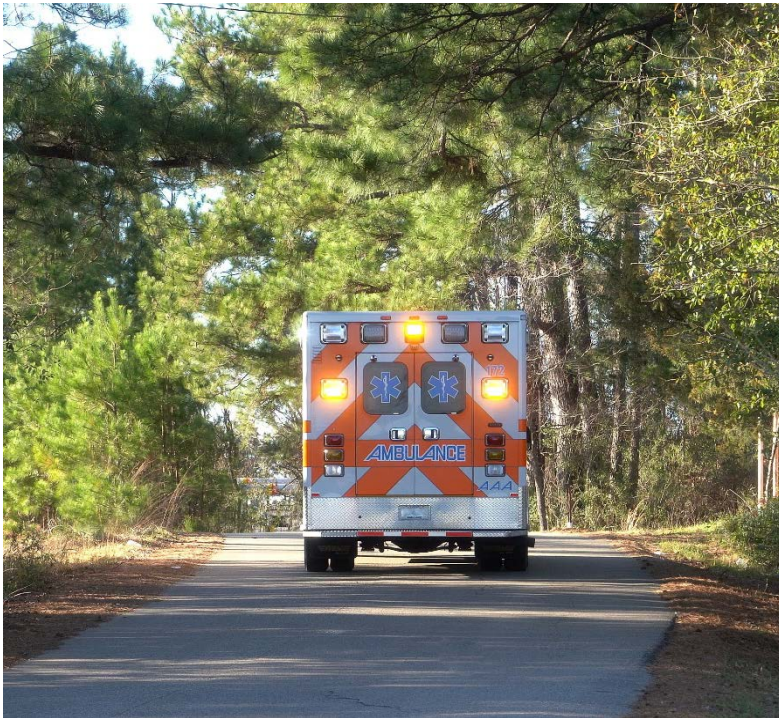
Neil Cox | Committee Chair



Vision to Reality: A Catalyst for Public Safety Communications



VISION: Create a dedicated and differentiated broadband communications experience that transforms public safety operations to save lives



PUBLIC SAFETY'S NEEDS



ROADMAP

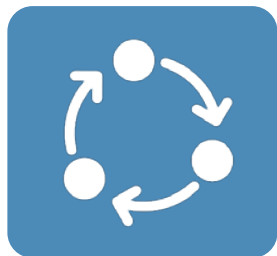


INVESTMENT

Roadmap Introduction



Why a roadmap?



How did we produce it?



What does it say?

A Roadmap for Transforming Public Safety Communications

The Roadmap provides a view of public safety's operational needs and technology trends for mobile broadband communications over the next five years. It will help guide the **growth, evolution, and advancement of FirstNet**.

The Roadmap is central to the delivery of a **differentiated broadband communications experience** for public safety. The FirstNet Authority will update the Roadmap on a regular basis to ensure FirstNet delivers the latest in innovation for public safety.

The FirstNet Authority collaborated with **public safety stakeholders** across the nation to develop the Roadmap. This includes targeted engagements with individual first responders, public safety agencies and associations, Federal government agencies, industry reps, and its network contractor, AT&T.

The Roadmap focuses on key technology areas ...

- COVERAGE AND CAPACITY**
The FirstNet network, presence within a given geography, with sufficient capacity for public safety to perform its duties
- VOICE COMMUNICATIONS**
The ability of public safety professionals to speak with one another within and across agencies, jurisdictions, and platforms (e.g., voice over IP, push-to-talk)
- SITUATIONAL AWARENESS**
The ability to aggregate and synthesize data in real time from multiple sources and present actionable insights to public safety on FirstNet
- USER EXPERIENCE**
The tailoring of FirstNet capabilities, features, devices, and applications to the needs and requirements of public safety professionals
- SECURE INFORMATION EXCHANGE**
The ability to access, exchange, and manage data securely and conveniently within and across public safety agencies and jurisdictions
- THE CORE**
The FirstNet Core and associated services and enabling network technologies

The Roadmap will advance the FirstNet experience by driving ...

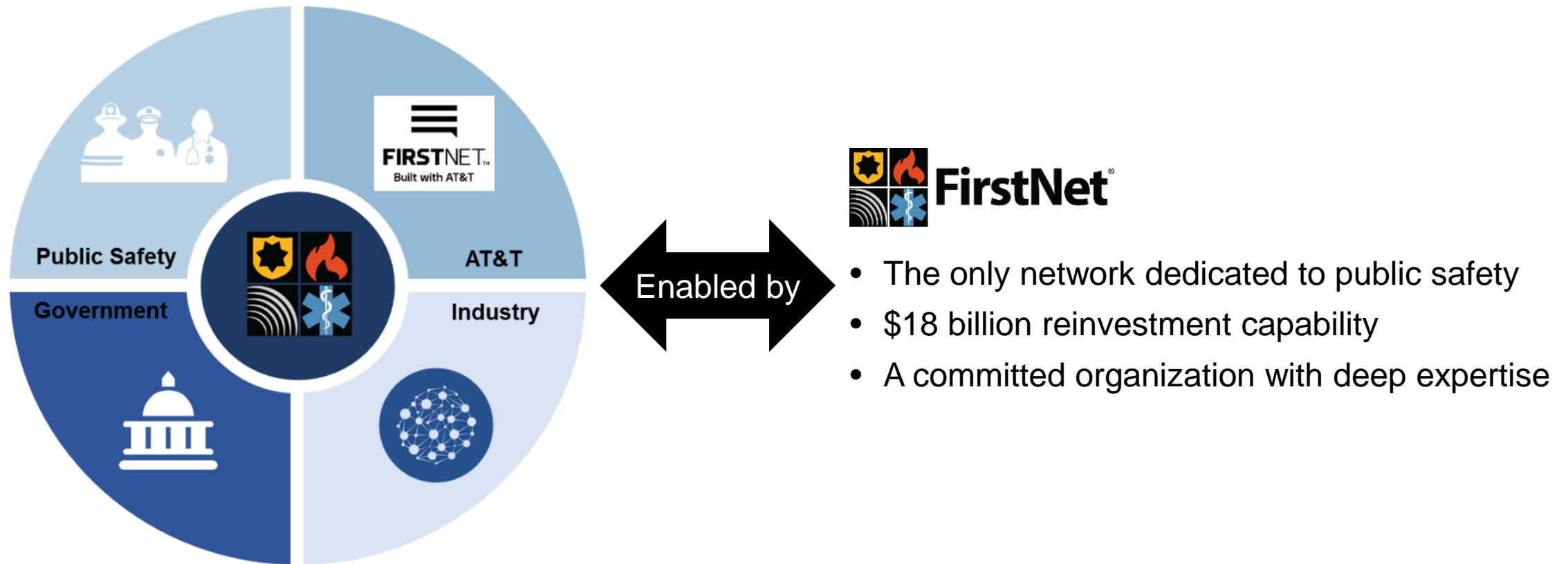
- FirstNet Authority Investments
- Public Safety Policies & Programs
- FirstNet Technology Ecosystem
- FirstNet - AT&T Partnership Activities

FirstNet
Learn more at [FirstNet.gov](https://www.FirstNet.gov)

Public Safety Summit - June 2018

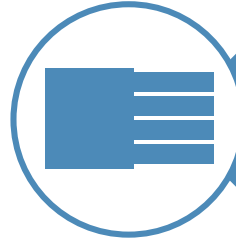
The FirstNet Opportunity

The FirstNet Authority is in the position to be a catalyst across its stakeholder groups to effect positive change for the public safety community



FirstNet Authority Roadmap Overview

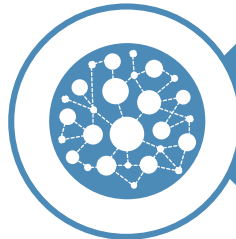
The Roadmap expresses how the FirstNet Authority will work to advance the FirstNet network over a multiyear horizon.



Provides a **technology framework** to understand all of the components and capabilities of the FirstNet Experience



Reflects **public safety's feedback** and needs based on a multitude of Roadmap engagements with the public safety community



Incorporates **analysis** of industry trends and drivers as well as AT&T's roadmap for the FirstNet network



Identifies the **priorities that will guide investments** and other opportunities based on FirstNet Authority analysis

FirstNet Authority Roadmap Domains



Core

- EPC
- IMS Core
- Services Platforms
- App Servers
- Service Enablers



Coverage & Capacity

- Macro Coverage
- Capacity
- In-Building Solutions
- Temporary/On-Demand Coverage
- Range Extension
- Device-to-Device
- Air-to-Ground
- Maritime Operations
- Availability/Reliability/Resiliency/Hardening



Situational Awareness

- Location Services
- Sensors
- Wearables
- Cameras/Video
- Mapping/Geographic Information System (GIS)
- Data Analytics/Artificial Intelligence



Voice Communications

- Mission Critical Push-to-talk (MCPTT)
- PTT Interworking



Secure Information Exchange

- Data Access
- Data Sharing
- Cybersecurity
- Identity, Credential and Access Management (ICAM)/Single Sign-On

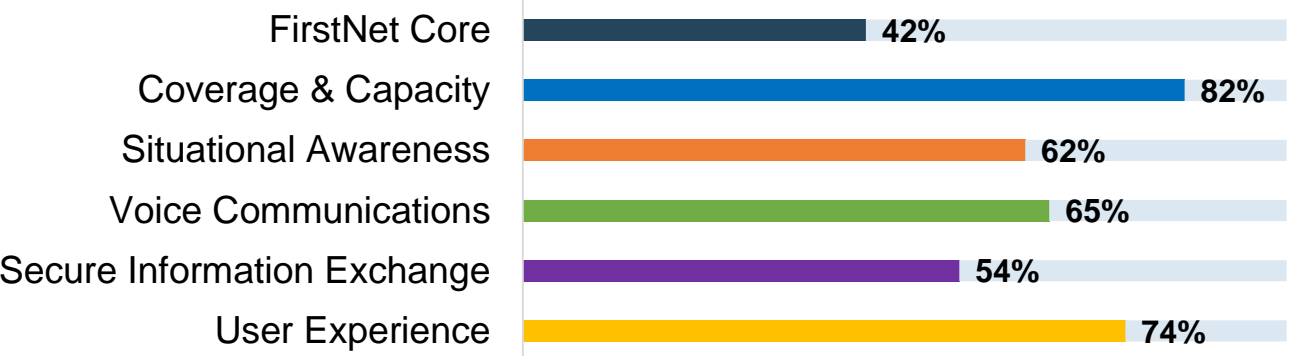


User Experience

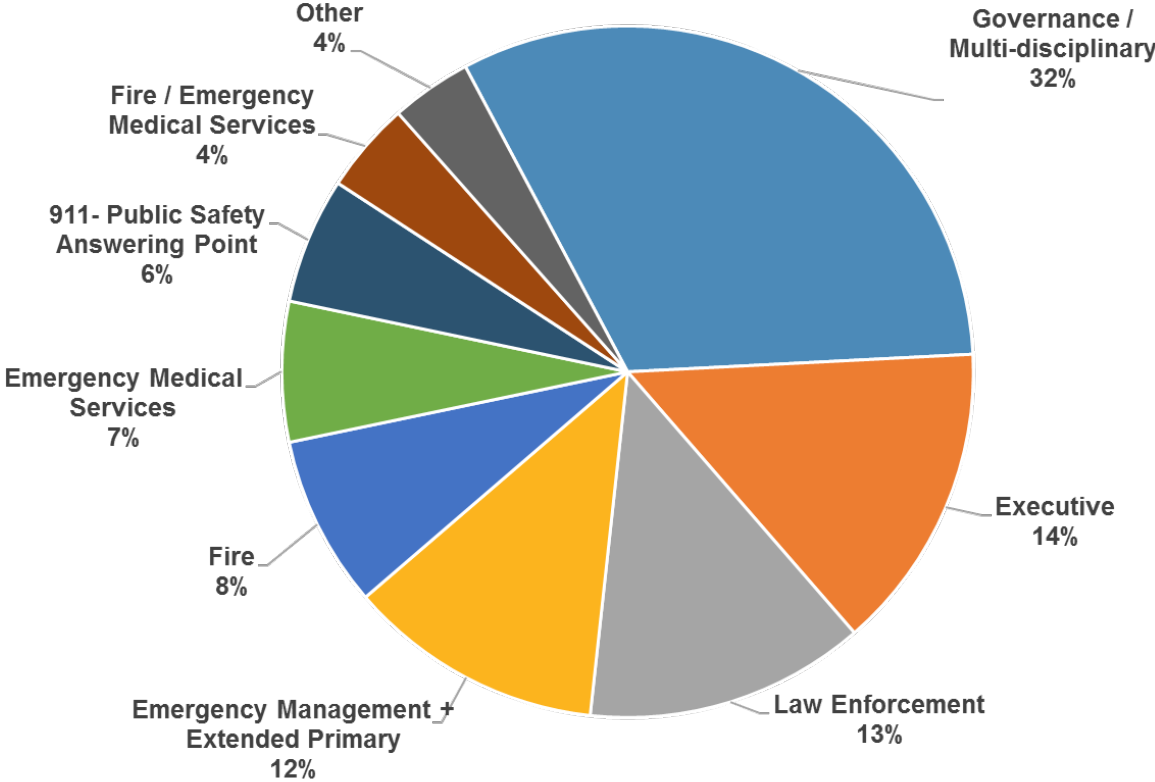
- Priority Services
- Applications
- Devices
- Accessories
- Hands-Free Operations
- Augmented Virtual Reality
- Heads-Up Display

Overall Public Safety Engagement for the FirstNet Authority Roadmap

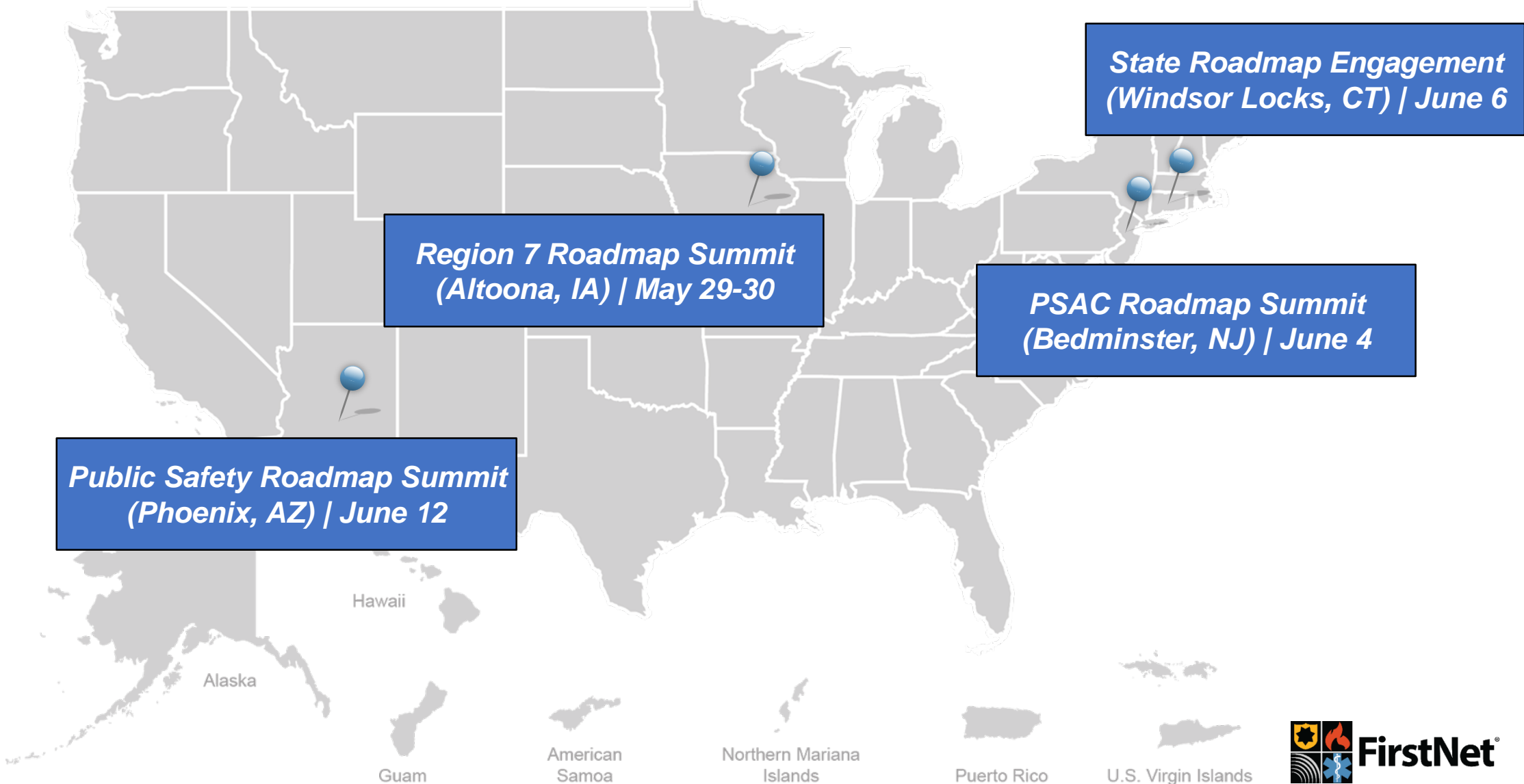
Percent of Engagements Addressing Roadmap Domains (through May 2019)



606 Engagements by Discipline (through May 2019)



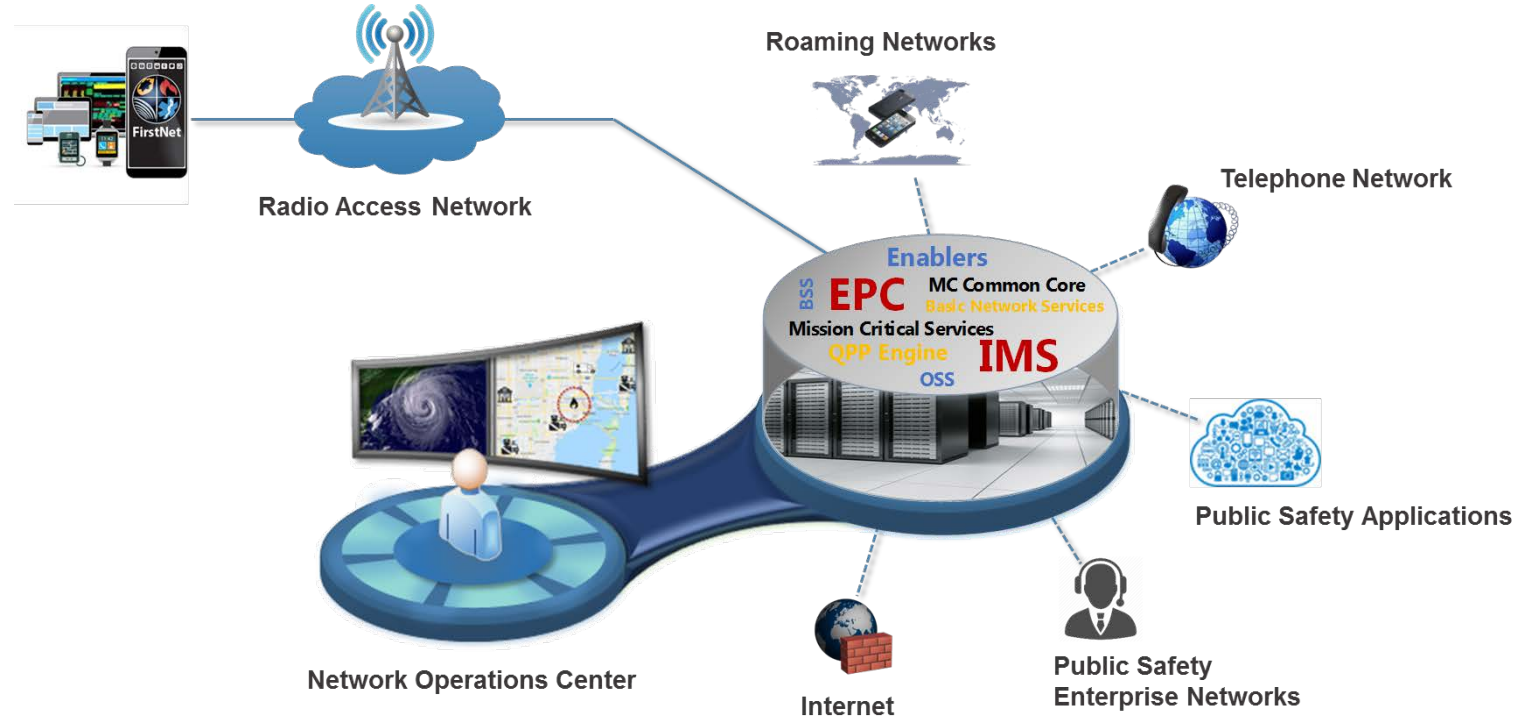
Roadmap Engagement Highlights





Vision

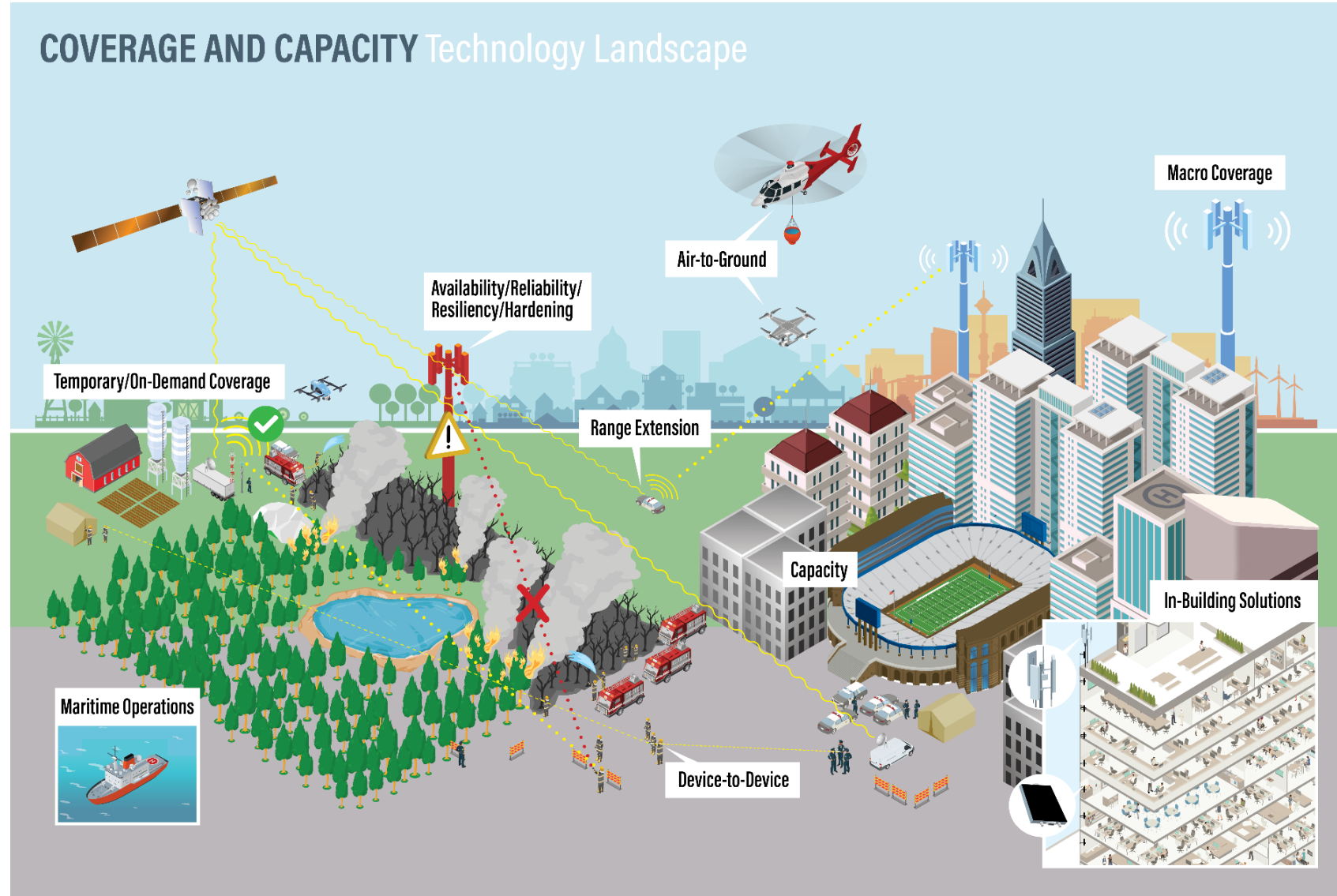
The FirstNet Authority envisions the network core will be technologically current and possess the necessary features and enablers to support mission critical services and applications at required levels of availability, performance, and security, to meet the needs of public safety





Vision

The FirstNet Authority envisions the network will be available to public safety personnel when and where they need it





Vision

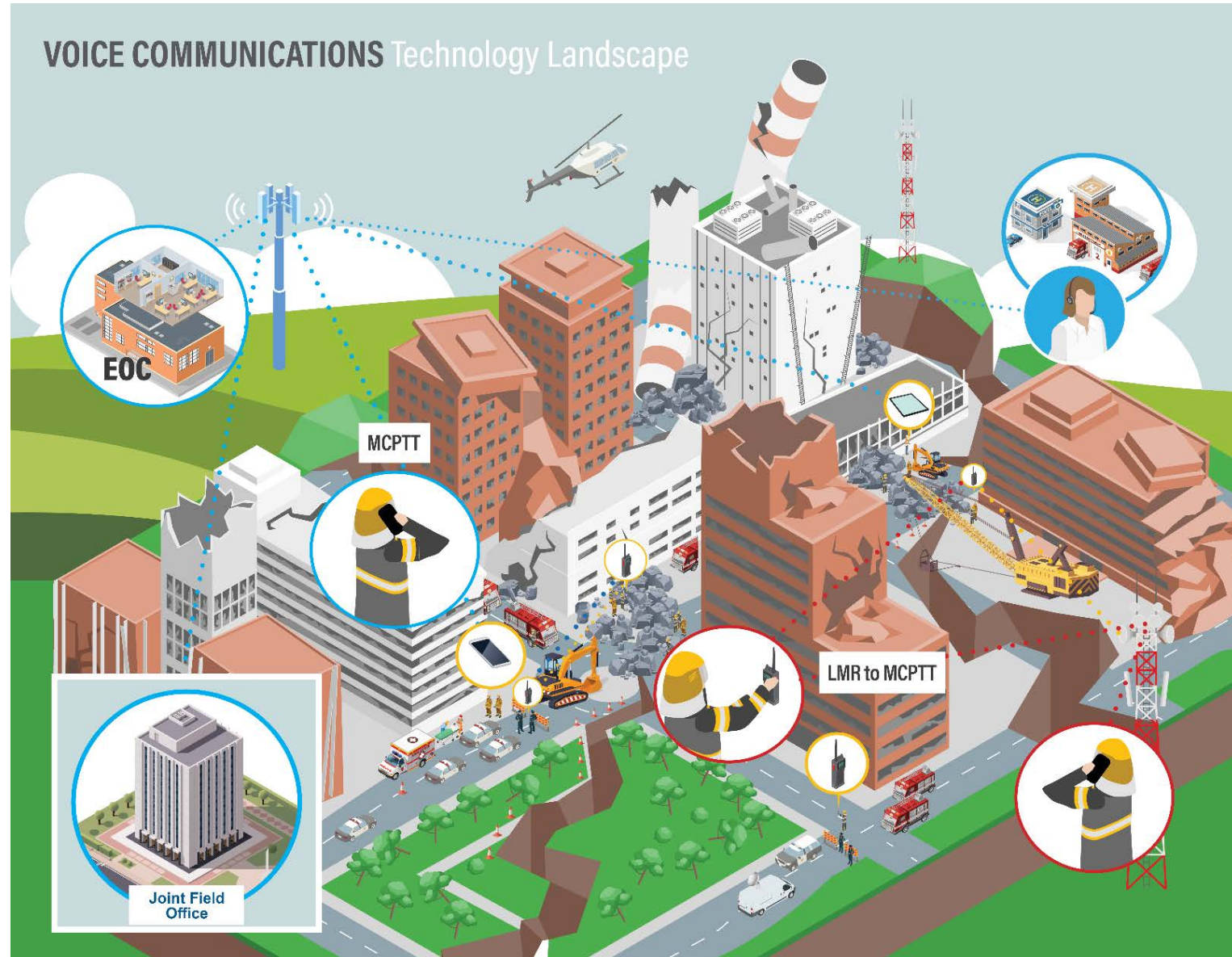
The FirstNet Authority envisions real-time access, collection, and distribution of information concerning threats, hazards, and conditions on the network in a manner tailored to public safety operations





Vision

The FirstNet Authority envisions a nationwide network that provides high-quality, reliable voice communications, including PTT, and leverages all available voice-related technologies to ensure the most advanced feature set is available for the first responder community



Secure Information Exchange Overview



Vision

The FirstNet Authority envisions enabling secure, reliable, and easy-to-use access and sharing of critical information on the network across a variety of sources





Vision

The FirstNet Authority envisions a user experience on the network driven by public safety operational needs that allows users to stay focused on their primary mission



A Commitment to Public Safety



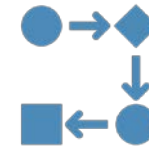
UNDERSTAND

Engage, understand, and analyze public safety operational needs and opportunities



COLLABORATE

Include public safety, industry, government, and AT&T to determine the priorities we will address through the Roadmap and other efforts



TRANSFORM

Assist public safety in its adoption and use of FirstNet so that it realizes the advantages and benefits offered by the network

FirstNet Network Status (May 2019)

600K+ FirstNet connections



Public safety agencies signed

7,250+

75 Deployable network assets, including 3 Flying COWs



25%

Faster¹ than any commercial network

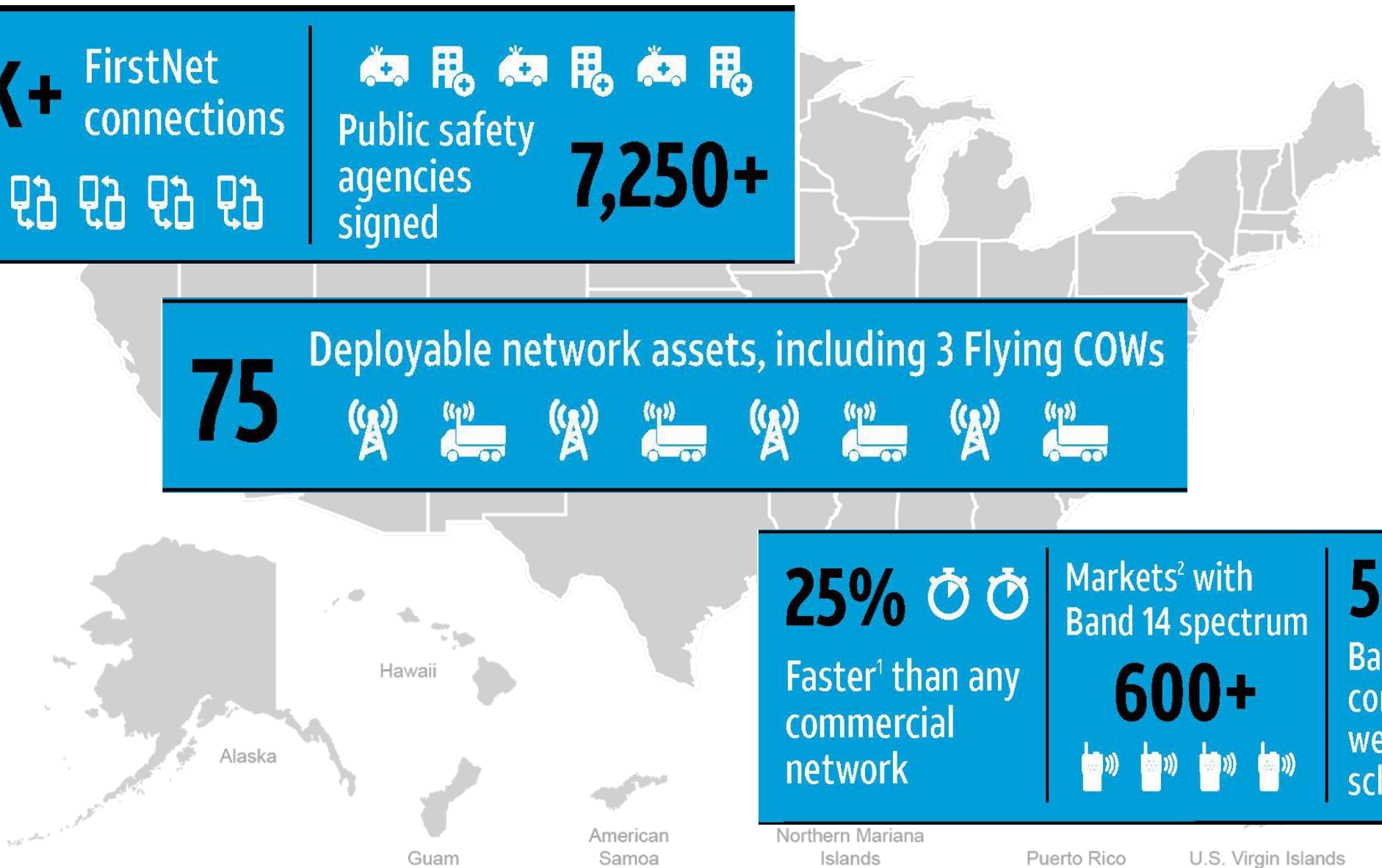
Markets² with Band 14 spectrum

600+



50%+

Band 14 coverage completion; well ahead of schedule





Finance Committee Update

Robert (Tip) Osterthaler | Committee Chair



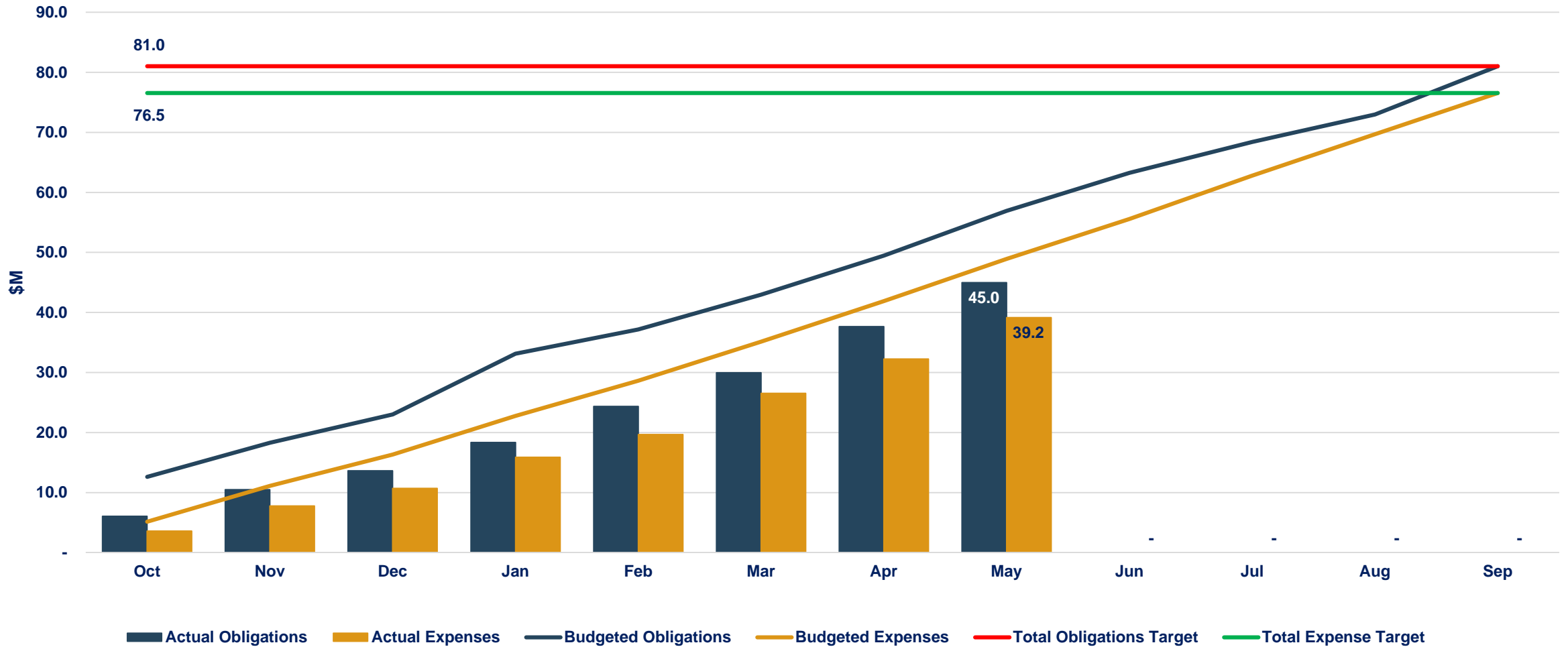
Finance Committee Resolution 22 and Board Resolution 100: Financial Responsibilities for Reinvestment

NOW THEREFORE BE IT RESOLVED that the delegations set forth in Resolution 78 do not apply to funds in the *Reinvestment in Network Enhancement Fund* funding category.

NOW THEREFORE BE IT FURTHER RESOLVED that no funds may be obligated from the *Reinvestment in Network Enhancement Fund* funding category for the purposes of investment without Board approval.

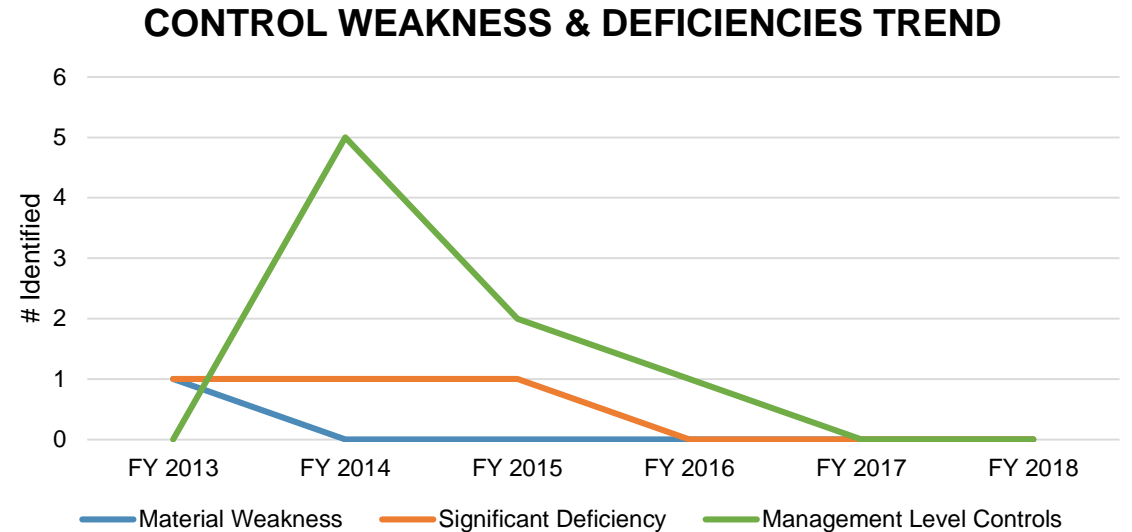
NOW THEREFORE BE IT FURTHER RESOLVED that Resolution 78, “Delegation of Financial Responsibility,” remains in effect to the extent it does not conflict with Resolution 100.

FY 2019 Cumulative Financial Results – Operations Budget



FY 2018 Financial Statement Audit Summary

- Earned sixth consecutive “clean,” or unmodified, audit opinion according to independent auditors, Harper, Rains, Knight & Co.
- No material weaknesses
- No significant deficiencies
- No internal control findings





Closing Remarks

Ed Parkinson

Jeff Bratcher



Continue Transforming Public Safety Communications Together



ROADMAP



COLLABORATION



INVESTMENT

