



Combined Committee and Board Meeting

Wednesday, March 20, 2019



Board and Combined Committee Agenda

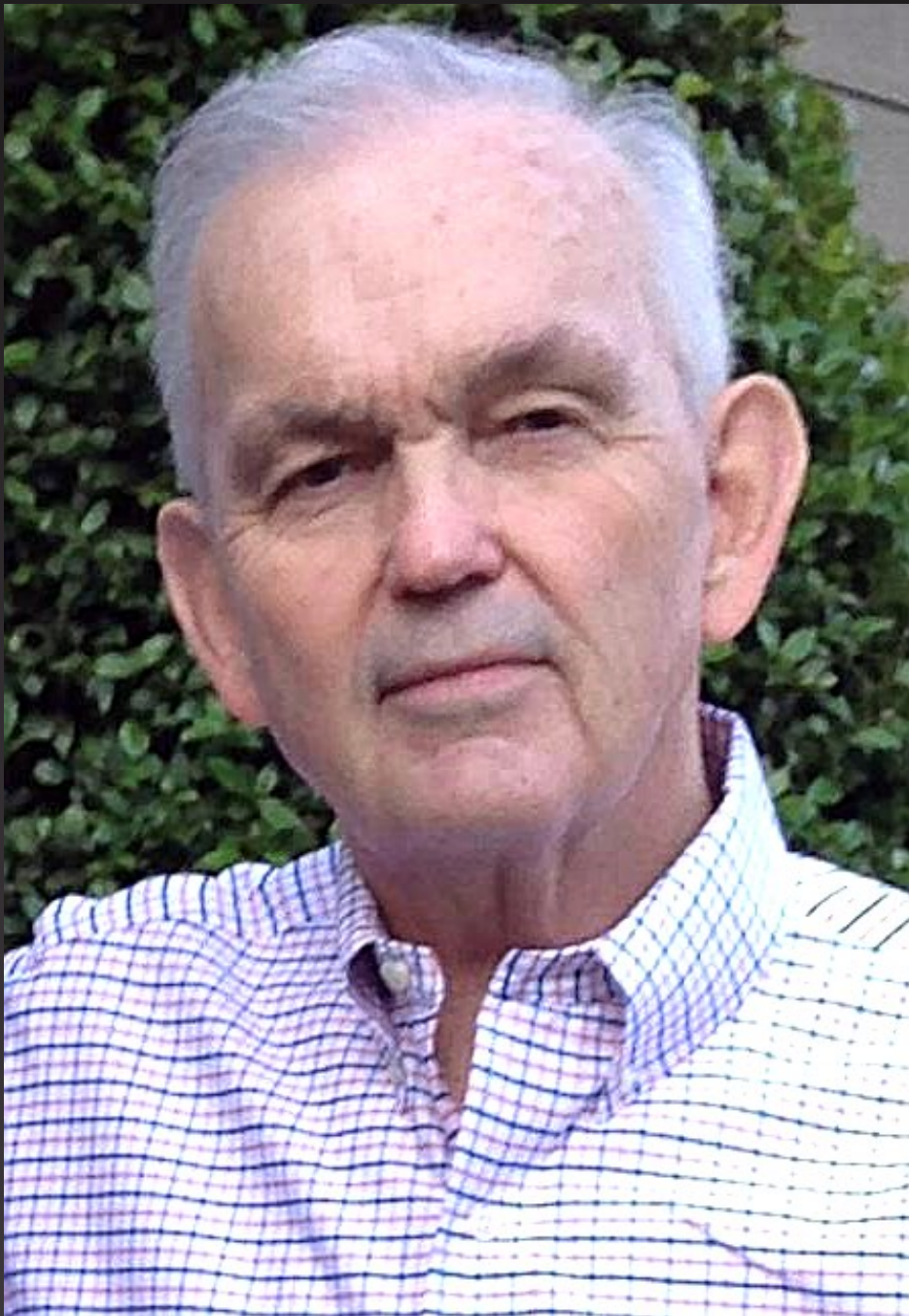
10:30 - 10:35 a.m.	Board Chair Convenes Meeting of Board and All Committees
10:35 - 10:40	Governance and Personnel Committee Update
10:40 – 10:55	University of Mississippi Medical Center Presentation
10:55 – 11:15	CEO and Strategy Update
11:15 - 11:30	Public Safety Advocacy Committee Update
11:30 – 11:50	Technology Committee and Network Program Update
11:50 a.m. - 12:05 p.m.	Finance Committee Update
12:05 – 12:15	Hattiesburg AAA Ambulance Services Presentation
12:15 – 12:20	PSAC Update
12:20 – 12:25	Closing Remarks
12:30 p.m.	Vote to Adjourn



Governance and Personnel Committee Update

Edward Horowitz | Committee Chair





IN MEMORIAM

Ed Reynolds
Founding Member, FirstNet Board



University of Mississippi Medical Center

Dr. Damon Darsey | Medical Director, Mississippi Center for Emergency Services







CEO and Strategy Update

Ed Parkinson | Acting Chief Executive Officer

Jeremy Zollo | Executive Director, Enterprise Strategy Division



Strategic Vision

THE FIRSTNET EXPERIENCE



FIRST RESPONDER NETWORK AUTHORITY

Oversees, influences and complements the FirstNet Solution with value-adding activities and investment



PARTNERSHIP

Identify and collaborate on opportunities that enhance the FirstNet Solution



AT&T (FIRSTNET SOLUTION)

Designs, delivers and supports the FirstNet Solution based on public safety's needs

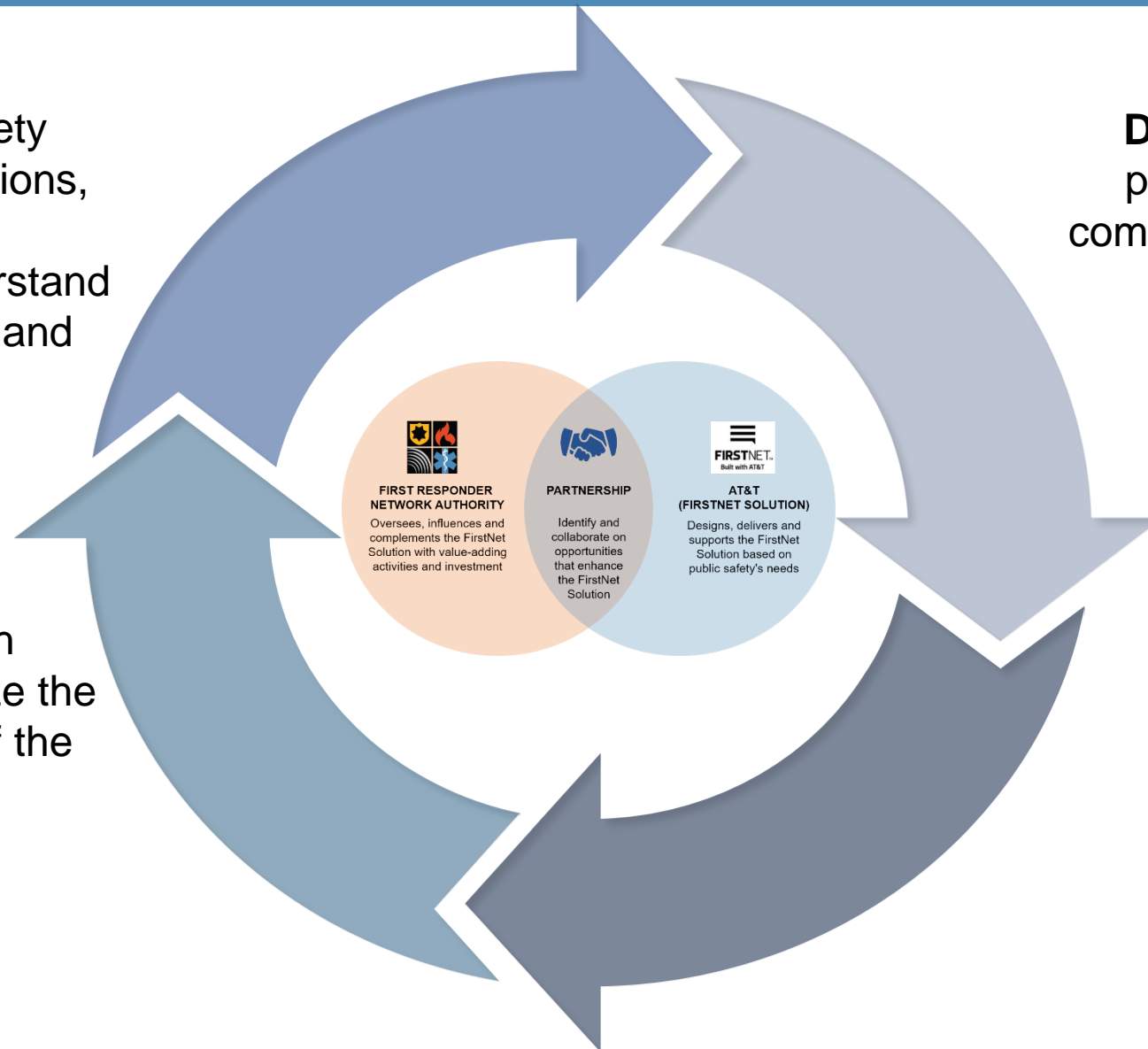
VISION Create a dedicated and differentiated broadband communications experience that transforms public safety operations to save lives

MISSION Be a catalyst for advancing the Nationwide Public Safety Broadband Network

Advancing the FirstNet Experience

ENGAGE public safety entities and associations, PSAC, industry, and government to understand their trends, drivers, and priorities

COLLABORATE with public safety to realize the operational benefit of the FirstNet Experience



DEVELOP and promote public safety broadband communications roadmaps that reflect the voice of public safety

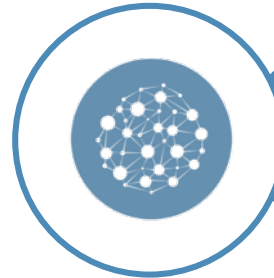
INVEST in the network to further a differentiated FirstNet Experience

First Responder Network Authority Roadmap Overview

The First Responder Network Authority Roadmap will guide advancement of the Network by depicting a 2-to-5-year view of public safety operational needs, technology trends, and actionable opportunities



Captures needs of public safety based on targeted engagements with public safety community



Incorporates industry trends and drivers based on industry research and targeted industry engagements



Informs investments and other opportunities for First Responder Network Authority to pursue through other avenues

First Responder Network Authority Roadmap Framework



COVERAGE AND CAPACITY

Presence of NPSBN within a given geography, with sufficient capacity for public safety to perform duties



SITUATIONAL AWARENESS

The ability to aggregate and synthesize data in real-time from multiple sources (human, machine, sensors, etc.) and present actionable insights to the public safety on the NPSBN



VOICE COMMUNICATIONS

Ability for public safety to verbally communicate with one another across agencies, jurisdictions and platforms (e.g., VoIP, LMR)



SECURE INFO EXCHANGE

Access, exchange and manage data securely and conveniently within/across public safety agencies and jurisdictions



USER EXPERIENCE

Tailoring of NPSBN capabilities, features, devices and applications to public safety needs and requirements



Public Safety Advocacy Committee Update

Richard Stanek | Committee Chair

David Buchanan | Executive Director, Public Safety Advocacy



2019 Engagement Plan



ENGAGEMENTS

- State/local public safety engagements
- National/state public safety association meetings
- Tribal/federal engagements
- Agency engagement workshops
- Demonstrations/exercises



INFORMATION CAPTURE

- Roadmap content (e.g., priorities, opportunities)
- Success stories
- Operational needs
- Product/solution feedback
- Issues/questions
- Sentiment



RESULTS

- Public safety's voice informs First Responder Network Authority Roadmap and future investments
- Firsthand knowledge of FirstNet customer experiences

Engagement Highlights

Boulder Police Department Engagement

Boulder, Colorado

Date: January 31

Outcome: Lessons learned on how to engage with public safety entity on roadmap topics

TEEX Public Safety Innovation Day

College Station, Texas

Date: March 6

Outcome: Public safety input on identified roadmap priorities; Demonstration of how future roadmap engagements could occur with public safety given technology focus

Michigan Interoperability Conference

Traverse City, Michigan

Date: February 20-21

Outcome: Public safety operational needs specific to user experience and mission-critical video fed into roadmap process

PSAC Webinars

Mission Critical Video

Date: January 29

Outcome: Collected Mission Critical Video public safety input to provide to roadmap and partner

Roadmap Prioritization Survey

Date: February 12

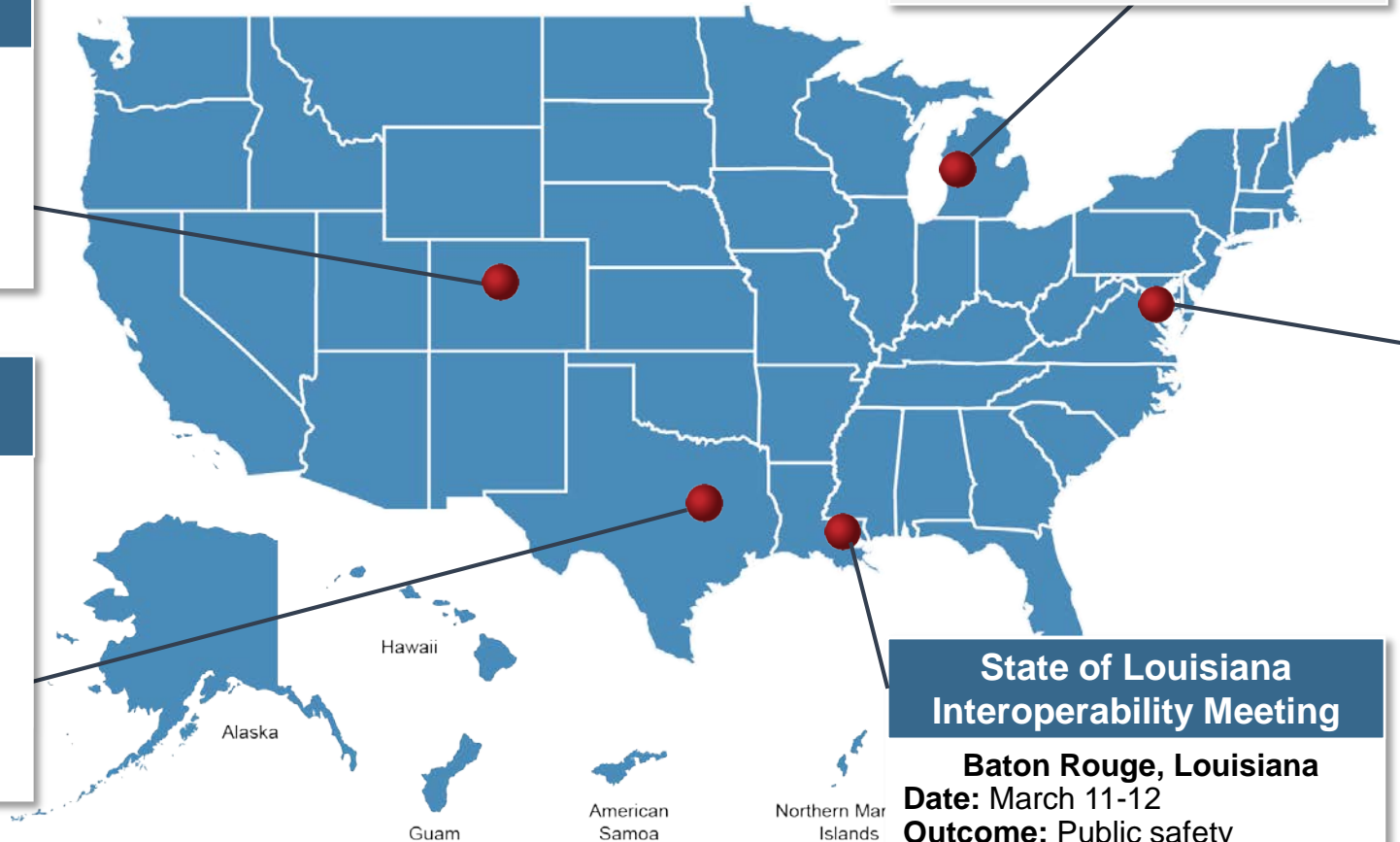
Outcome: Public safety input on identified roadmap priorities

State of Louisiana Interoperability Meeting

Baton Rouge, Louisiana

Date: March 11-12

Outcome: Public safety operational needs specific to voice communications (e.g., PTT) fed into roadmap process



Michigan Interoperability Conference Example: Engagement Outcomes



- Obtaining **Roadmap feedback**
- Improving collaboration to **understand stakeholders' broadband needs**
- Improving **stakeholder sentiment**
- Advancing **public safety adoption** discussions
- Increasing awareness of **First Responder Network Authority role**
- Obtaining **direct user feedback** on FirstNet network products and services



Technology Committee and Network Program Update

Neil Cox | Committee Chair

Jeff Bratcher | Chief Technology and Operations Officer



Engaging the Ecosystem: Driven by Roadmap Opportunities



DECEMBER

- Technology Committee Briefing



JANUARY

- CES Event
- Quality of Service, Priority and Preemption (QPP)
- Video Analytics Research



FEBRUARY

- Mobile World Congress
- Push-to-Talk



MARCH

- Developer Community
- Roadmap-Based Experience Program

Influencing the Ecosystem: Public Safety Standards Success

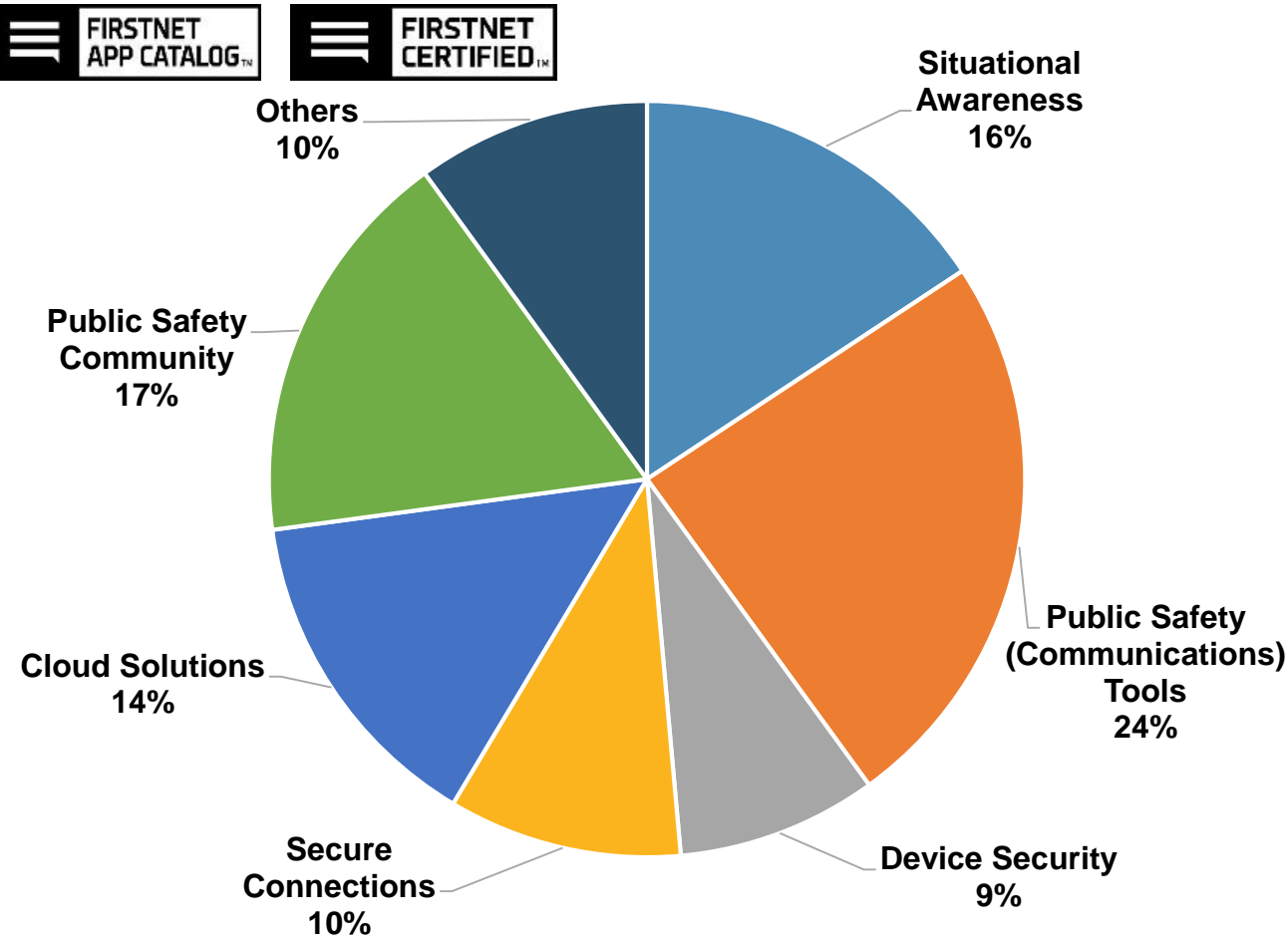
First Responder Network Authority standards work required by enabling legislation



- **Unified Access Control** allows blocking of certain users, while allowing others to access network when congested
- Ensures public safety users can access network resources as **new service types are enabled**
- First Responder Network Authority-led activities across multiple 3GPP standards working groups to **deliver complete framework that supports mission-critical services** -- aligned all contributions with anticipated roadmap
- Team built a **coalition with other governments and vendors** to ensure 3GPP acceptance
- All contributions accepted and **now part of current 3GPP standards release**

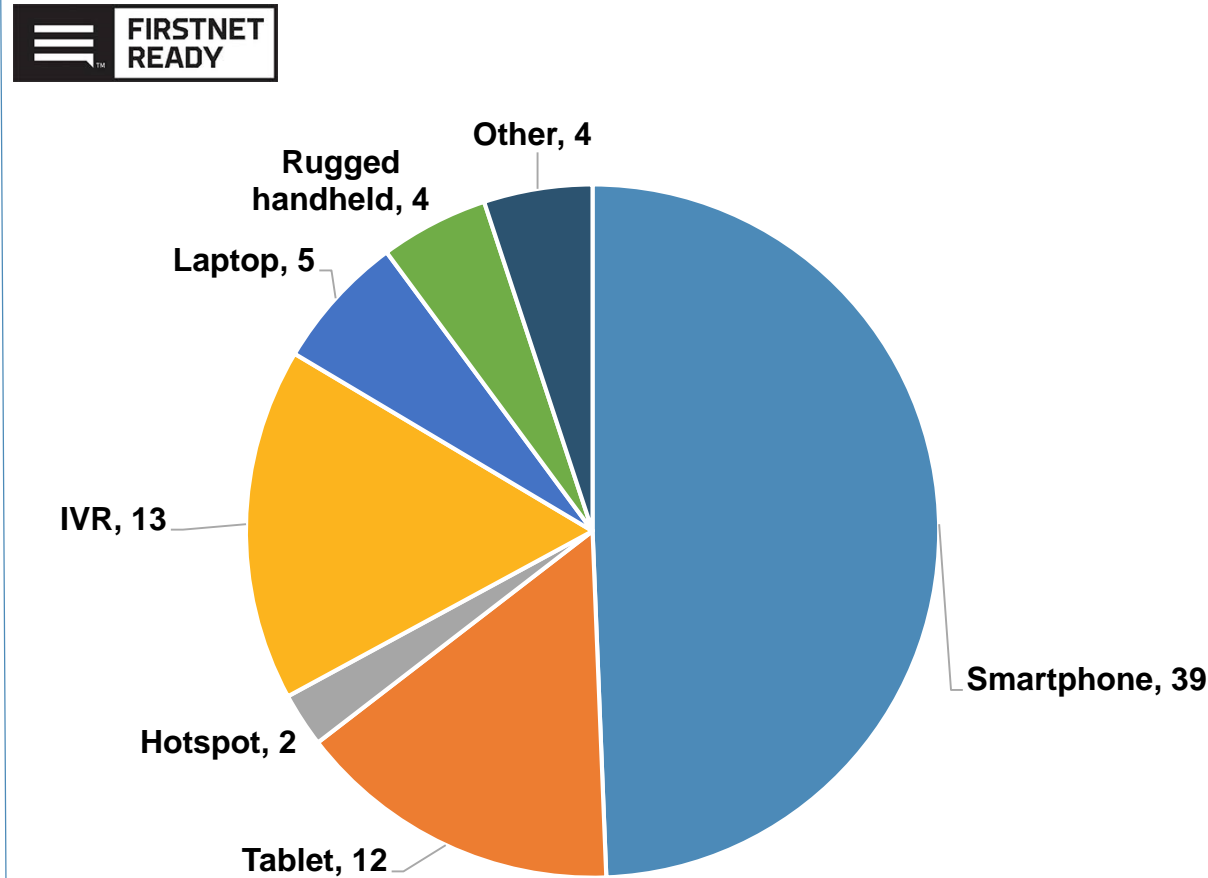
Building the Ecosystem: Apps and Devices that Align to the Roadmap

APP CATALOG PORTFOLIO



APP CATALOG WEBINAR SERIES:
<https://attendee.gotowebinar.com/register/2202222131743155724?source=FRNA>

DEVICES BY TYPE ON NIST LIST



NIST List of Certified Devices:
<https://www.nist.gov/ctl/pscr/process-document-nist-list-certified-devices>

FirstNet Network Status (through January 2019)



Subscriber adoption

- 425,000+ connections
- 5,000+ agencies
- 100% increase in adoption in last 6 months



Finance Committee Update

Robert (Tip) Osterthaler | Committee Chair

Kim Farington | Chief Financial Officer



FY 2019 Budget Execution

\$81M

OPERATIONS

Operations funding supports First Responder Network Authority day-to-day operational requirements. Examples include salaries, benefits, contractual services, equipment, etc.

\$78M

REINVESTMENT

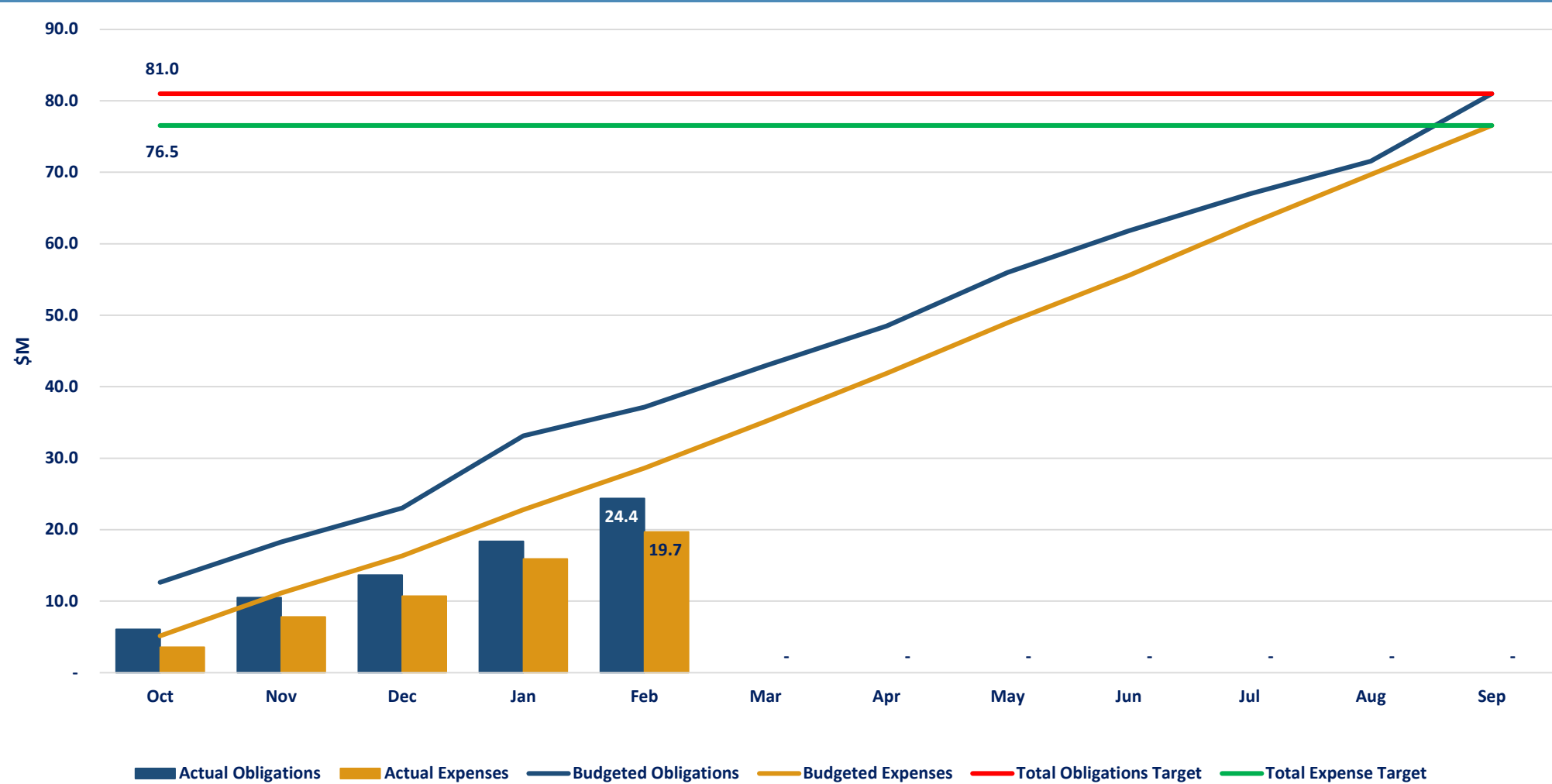
Reinvestment funding set aside for reinvestments in the FirstNet Nationwide Public Safety Broadband Network (NPSBN)

\$81M

RESERVES

Reserve funding set aside a contingency if anticipated revenues are not received

FY 2019 Cumulative Financial Results – Operations Budget



Finance Committee Resolution 21 and Board Resolution 98: First Responder Network Authority's Investment Principles

Investments must...

- **Be derived from and benefit public safety**

First Responder Network Authority investments must clearly **be informed by public safety** and support our strategic objectives and Roadmap domains. We will directly engage public safety to **capture their priorities, inputs and data** to inform future improvements to the Network

- **Maintain and advance the foundation of the Network**

As the First Responder Network Authority considers investments to **grow and innovate** the FirstNet Network, it will be critical to maintain the foundation of the Network to provide a certain level of service to the public safety community. Investments must consider the feasibility of incorporating new capabilities to **ensure no degradation of services**

- **Consider a balanced approach and provide value to public safety**

The First Responder Network Authority will take a balanced approach to investing that **meets the needs of its diverse stakeholders**, effectively manages and executes investments **with appropriate resources**, contemplates various technologies to address operational needs, and **provides flexibility for future investments**

- **Be fiscally responsible and reflect strong financial management**

The First Responder Network Authority must be fiscally accountable for ensuring that investments improve the Network. This includes ensuring they **provide a value-added experience** that is not already contracted or planned and take into consideration **current and future investments** by industry and other government entities



FirstNet Subscriber Spotlight: Hattiesburg, MS, AAA Ambulance Service

Andy Geske | Chief Information Officer



The logo features three large, stylized blue 'A's with a white outline and a 3D effect. The 'A's are set against a white background with a subtle gradient. The entire logo is framed by a thick black L-shaped border on the left and bottom.

AAA

Ambulance Service

Founded in 1965

AAA claims many “firsts” in Mississippi

- First licensed ambulance company
- First to train and test paramedics
- First in satellite telemetry
- First to provide air response
- First to lead in trauma system care
- First to provide SMART 911

FirstNet Integration

- Using Sonim XP8 PPT devices on each vehicle
- Testing vehicle modems with FirstNet
- Offering FirstNet services to our employees
- Areas to Expand Upon
 - *Telemedicine*
 - *Direct Medical Control*
 - *Medical Data Transmission*



Public Safety Advisory Committee Update

Todd Early | PSAC Chair



PSAC Webinars and Upcoming Meetings

JANUARY

Mission-Critical Video Webinar

- Location of a video source sent with a video stream is the most needed feature to any mission-critical video solution
- Operational factors can quickly change video from non-mission critical to mission critical
- Additional features to consider with any mission-critical video solution include HD color cameras, date/time stamps, and ability for network to adjust video resolution and frame rate based on situation/need

FEBRUARY

Roadmap Webinar

- Review input collected from PSAC members on capability prioritization survey
- Largest respondent demographic was state/local government, followed by fire services and law enforcement
- Data sharing/interoperability was highest prioritized technology from the PSAC over next 12 months
- Availability/reliability/resiliency/hardening was highest technology from PSAC over next 5 years

PSAC Upcoming Meetings

APRIL 29-30	JUNE 3
Tribal Working Group, Nashville	In-Person Meeting Bedminster, NJ (Planned)
<ul style="list-style-type: none">• Develop informational materials to support tribal nation consultation• Engage on First Responder Network Authority Roadmap priority development• Share and discuss tribal public safety use cases	<ul style="list-style-type: none">• Discuss First Responder Network Authority Roadmap priorities; solidify PSAC input• Review First Responder Network Authority PSA engagement strategy• Share, discuss, and develop use cases from across disciplines• Get tour of AT&T GNOC



Closing Remarks

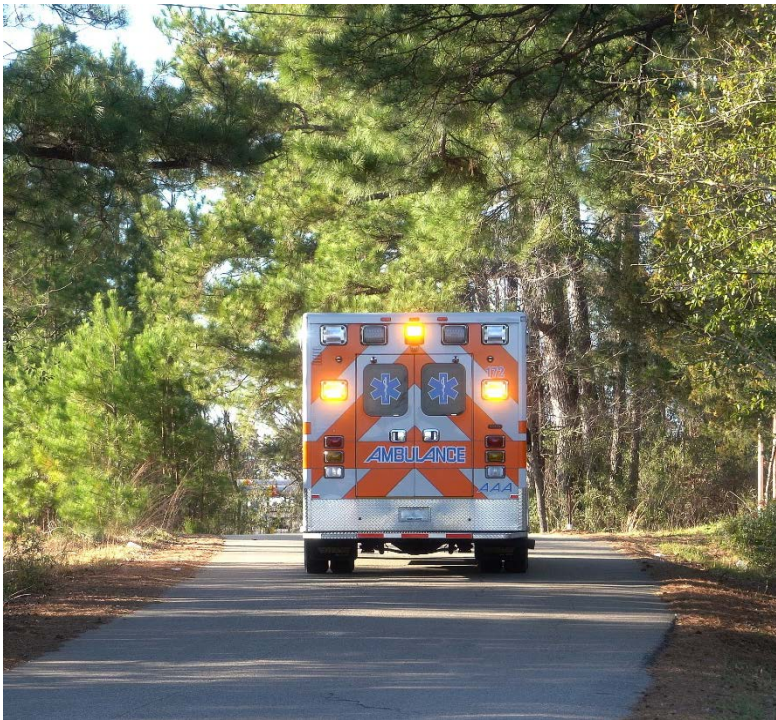
Ed Parkinson | Acting Chief Executive Officer



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

