

# FirstNet Update

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**BUILT FOR YOU.  
INSPIRED BY YOU.**



**FIRSTNET**<sup>™</sup>

Built with AT&T

# FIRSTNET FEATURES FOR PUBLIC SAFETY COMMUNICATIONS



- Access to Quality of Service, Priority & Preemption on ALL AT&T's LTE networks



- Device portfolio for public safety users to include iOS (Apple), Android and other devices



- End-to-end network cybersecurity solution; dedicated security operations center



- Identity, credentialing to protect sensitive information

- FirstNet App Store with curated, vetted, secure, applications

- An Applications Development Ecosystem for Developers

- Local control: ability to see network status, change priorities



- \$40B in network investments over 25 years



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

- 72 new deployables (cell sites on light trucks) dedicated for public safety use

- Partnerships with 45 rural telecom providers and wireless roaming agreements with 25 companies



- Customer service team dedicated to public safety

- Creation of 10,000+ U.S. jobs in next 2 years



- Annual payments to FirstNet for 25 years for reinvestment on behalf of public safety

# FIRSTNET: THE FUTURE OF PUBLIC SAFETY COMMUNICATIONS

Look for this logo to keep up with First Responder Network Authority's programs, activities, and public safety outreach

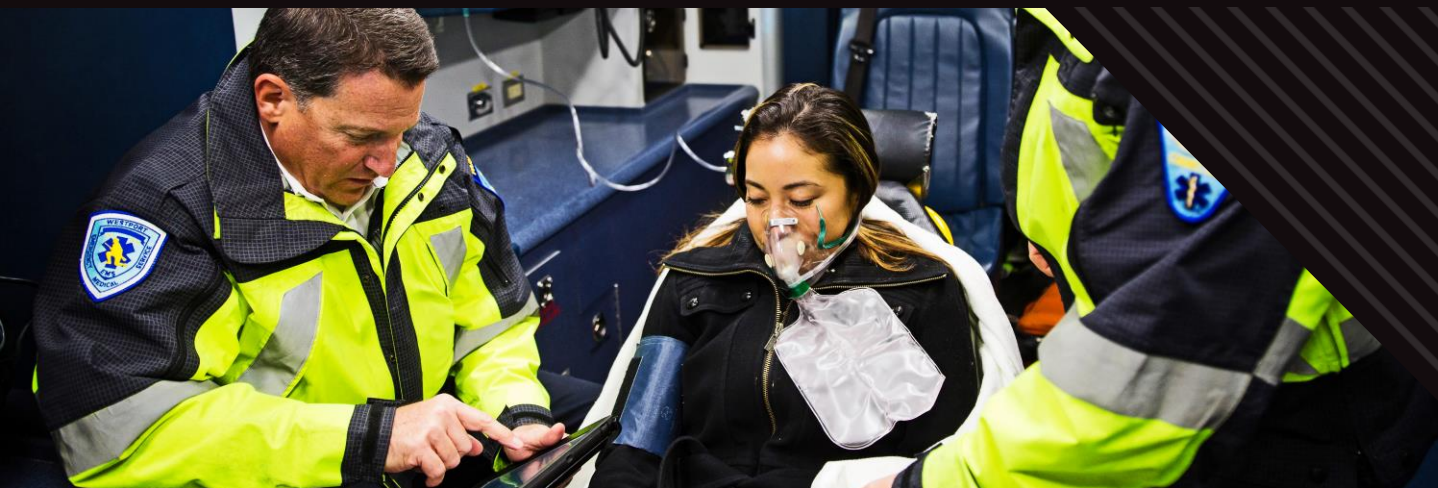


- This logo represents the FirstNet Responder Authority organization
- Congress established the FirstNet Responder Authority to deliver the first nationwide public safety broadband network
- The FirstNet Responder Authority oversees the Network contract with AT&T, consults with the public safety community to ensure its voice and needs are heard, and drives public safety innovation for the Network
- Learn more about the First Responder Network Authority at [FirstNet.gov](http://FirstNet.gov)

Look for this logo when you want to learn more about the FirstNet Network or to purchase FirstNet services



- This logo represents the FirstNet network and services, built with AT&T
- FirstNet is a nationwide network created for public safety, with public safety
- Key public safety features include a dedicated connection with priority and preemption over a secure, reliable network
- See this logo on FirstNet services, devices, and products
- Learn more about the FirstNet product and services at [FirstNet.com](http://FirstNet.com)



**Lauren Paolini**  
**AT&T FirstNet**  
**Solutions Consultant**

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First responders, AT&T and the first responder network authority have come together to build **FirstNet**, a **dedicated communications tool created for and by public safety.**

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# A SOLUTION BUILT TO YOUR SPECIFICATIONS

- A network purpose-built **exclusively for public safety** based on an understanding of public safety needs
- A commitment to grow coverage to rural, tribal and U.S. territories specifically for public safety
- Approved state plans with input from public safety and reviewed by government leaders in each state, territory and tribal community
- Contractually committed to build a network designed to meet a **99.99% end-to-end service availability objective** – a standard unmatched by any other large-scale LTE network in the world today
- **No throttling on the network.** Prioritization with no speed limits on voice, text or data.
- A dedicated public safety core to be delivered by March 2018 that will route and encrypt network traffic, creating the highly secure environment public safety requires
- An ongoing state consultation process to achieve **collaboration** with public safety to address their ongoing needs
- Delivery of priority and preemption capabilities, an exclusive public safety core, application ecosystem, deployables, and mission critical services – all required by the government contract

# USER TYPES



## Primary Users

Fire  
Police  
EMS



## Extended Primary Users

Hospitals  
Utilities  
Transportation



## Individual Paid Users/Volunteers

Primary or Extended Users  
Users that pay personally pay  
For service





# PRIMARY SUBSCRIBER RATE PLANS

## FirstNet Mobile-Unlimited Plans

Unlimited Enhanced for Smartphones	Unlimited Talk, Text, Data, Mobile Hotspot & Tethering	\$60/mo
Unlimited Standard for Smartphones	Unlimited Talk, Text & Data	\$50/mo
Unlimited for Data-only devices <sup>1</sup>	Unlimited Data, Mobile Hotspot & Tethering	\$40/mo

<sup>1</sup>Eligible data-only devices: Tablets, Connected Devices, laptops, LaptopConnect/aircards, netbooks, mobile hotspot devices, and select other data-only devices. Connected Devices: Cameras and select other data-only connected devices. FirstNet Mobile-Unlimited plans do not pool with other FirstNet Mobile Pooled plans.

## FirstNet Mobile-Pooled Plans

Data added is cumulative to the total data available for the group		Add-a-Line <sup>4</sup>	2GB	5GB	50GB	100GB	500GB	1000GB
Pooled Data for Smartphones per month	No service commitment <sup>1</sup>	\$19	\$28.50	\$41	\$227	\$412	\$1,917	\$3,682
	Purchase with 2-year service commitment	\$39	\$48.50	\$61	\$247	\$432	\$1,937	\$3,702
Pooled Data for Feature phones <sup>2</sup> per month	No service commitment <sup>1</sup>	\$19						
	Purchase with 2-year service commitment	\$31						
Pooled Data for Data-only devices <sup>3</sup> per month	No service commitment <sup>1</sup>	\$12	\$21.50	\$34 <sup>5</sup>	\$220	\$405	\$1,910	\$3,675
	Purchase with 2-year service commitment	\$22	\$31.50	\$44 <sup>5</sup>	\$230	\$415	\$1,920	\$3,685

Data Overage: Pay-per-use rate of \$0.000009536/KB applies.

<sup>1</sup>Purchase at full price, purchased with qualified installment agreement, bring your own, or on month-to-month term. <sup>2</sup>For basic and quick messaging phones only. <sup>3</sup>Eligible data-only devices: Tablets, Connected Devices, laptops, LaptopConnect/aircards, netbooks, mobile hotspot devices, and select other data-only devices. Connected Devices: Cameras and select other data-only connected devices. <sup>4</sup>Add-a-Line: A 0GB plan that adds a user to the pool of data but does not add additional data. <sup>5</sup>A 10GB FirstNet Mobile - Pooled Data plan for data-only devices is available for \$55 per month (no service commitment) and \$65 per month (with 2-year service commitment).

# FIRSTNET SOLUTIONS CONSULTANT TEAM – STATE OF WASHINGTON

## Garett Doyle, FirstNet State Market Manager



- Over 20 years experience in network solutions
  - Public Safety
  - State and local government agencies
  - Enterprise clients
  - AK, CO, ID, MT, NE, ND, OR, SD, UT, WY, WA
- Based out of Denver, CO

## Lauren Paolini, FirstNet Solutions Consultant - WA



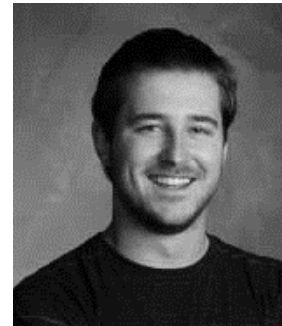
- 9 Years Wireless/ Telecommunications
- 3 years small businesses sales
- 3 years state and local governments wireless solutions sales
- 3 years in product marketing, mobility and cybersecurity
- Based out of Seattle

## Alex Duman, Eastern WA & State of MT



- 14.5 Years in Government and Public Safety Sales
- Includes 12 years working selling & marketing to public safety
- Based out of Missoula, MT

## Mack Bickle, Regional FirstNet Solutions Consultant



- 3 Years in Government and Public Safety Sales
- 3 years Telecom/Wireless Technology - With Cradlepoint
- Territory: ID, UT, MT, CO, WY
- Based out of Boise, ID



**Ron Spencer**  
**Motorola Solutions**

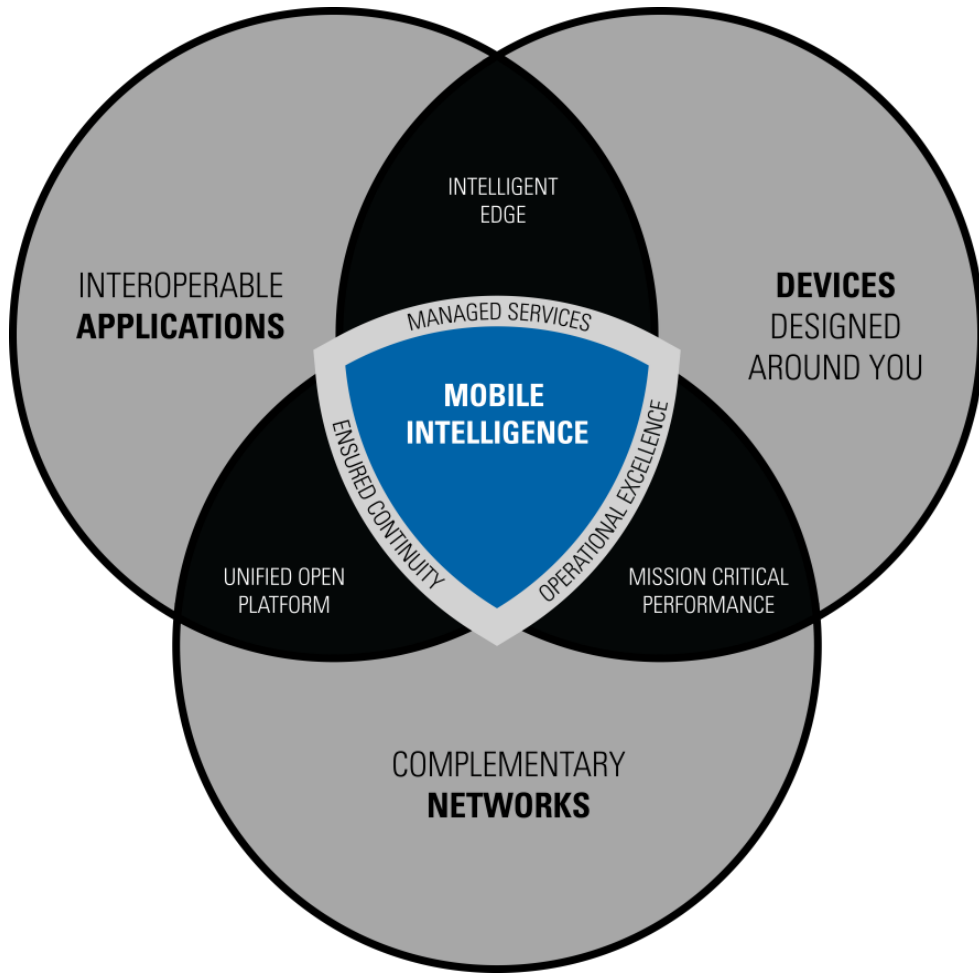


# PUTTING PUBLIC SAFETY BROADBAND TO WORK



**MOTOROLA SOLUTIONS**

# WHAT IS MOTOROLA'S ROLE?



**WE TURN THE FLOOD  
OF DATA INTO MOBILE  
INTELLIGENCE**

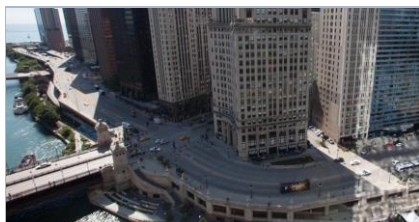
# MOTOROLA SOLUTIONS AND THE PUBLIC SAFETY BROADBAND ECOSYSTEM



## CITIZEN AND CITY

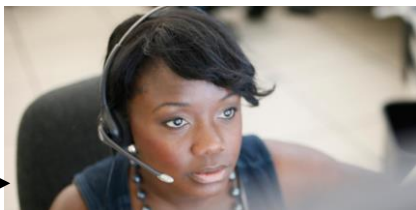


911 CALLS and  
CITIZEN DATA



SMART CITY  
and IoT

## COMMAND AND CONTROL



NG9-1-1  
DISPATCH



INTELLIGENCE  
ANALYST

## DATA & VOICE NETWORKS



INTEROP  
LAYER

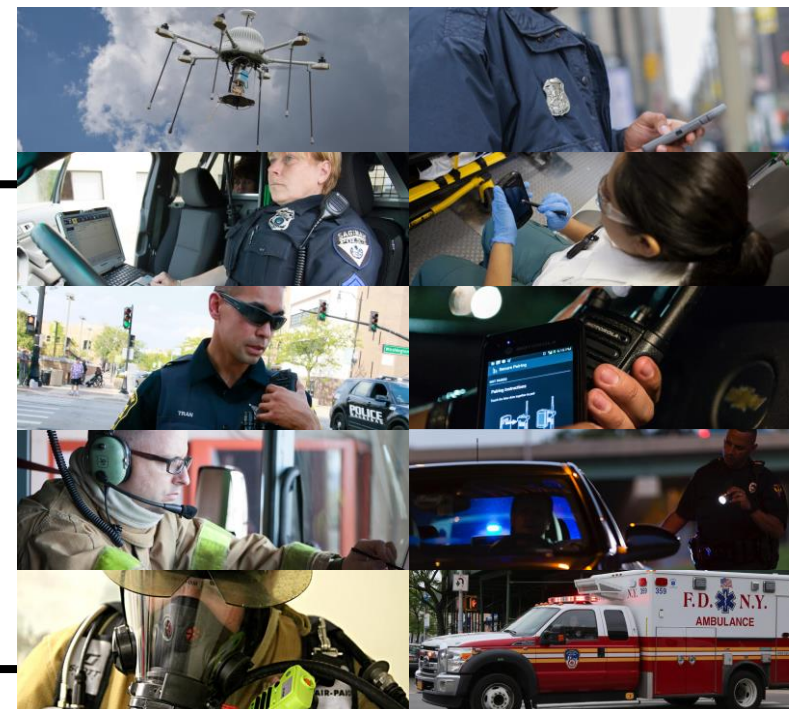
## MOBILE INTELLIGENCE



LTE



LMR



DEVICES, APPS, IoT,  
SENSOR NETWORKS

# DEPLOYMENT CONSIDERATIONS



## LMR AND FIRSTNET WILL BOTH BE USED BY PUBLIC SAFETY

### LMR Mission Critical Voice Compared to LTE PTT

- Network access delay
- Busy network performance
- Site survivability
- Direct-mode talk-around

### Need To Maintain Seamless Interoperability In A Mixed Network Environment

- Regardless of agency, carrier partners or technology transition status

# EXTEND COVERAGE



While a fire chief is away on business, a large storm causes major flooding, requiring department-wide effort to rescue and evacuate affected residents.

Out of town and outside of coverage, the fire chief is unable to communicate with his team via LMR.

Using Broadband PTT with Integrated Secure Messaging & Location on Device, the fire chief can see where department assets are engaged, receive important pictures and video and communicate with front line commanders over LMR radio.

**When the unexpected occurs, essential members of response teams can connect and collaborate from wherever they are.**





# COMMUNICATE ACROSS AGENCIES AND DEVICES



Incident response frequently require that public safety, public works and/or federal agencies work closely together.

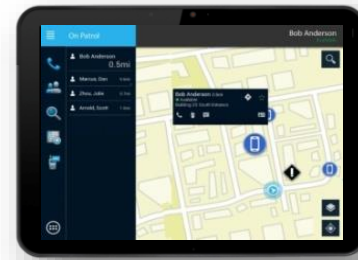
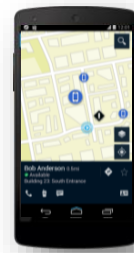
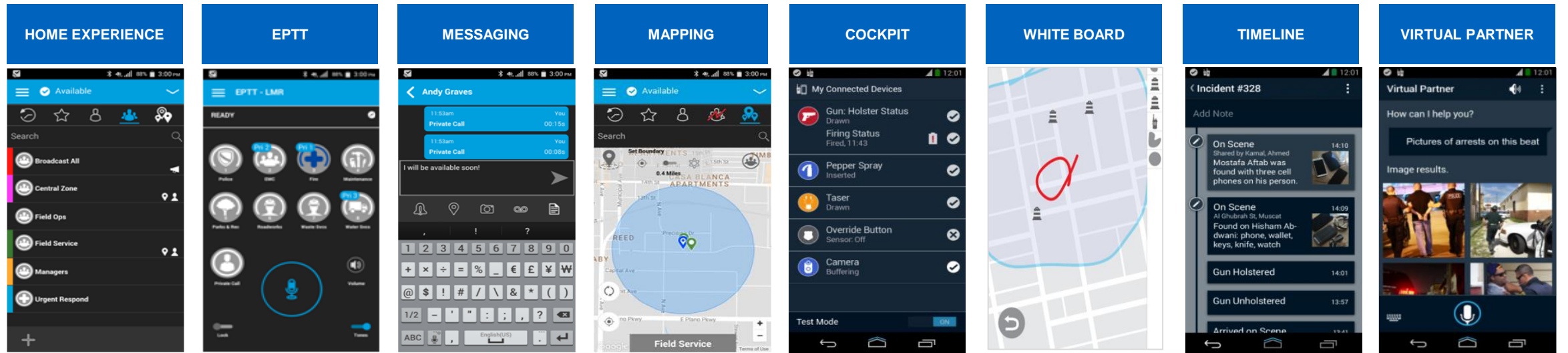
Separate data communications networks make interagency collaboration difficult.

Broadband applications that are interoperable with LMR allow different agencies to share information with each other across broadband and mission-critical voice networks.

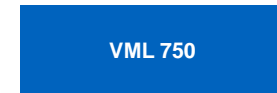
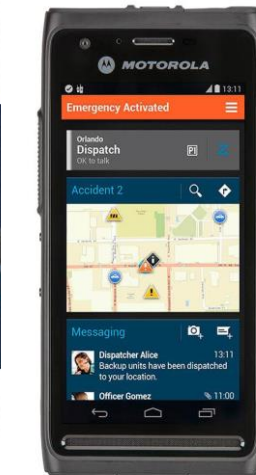
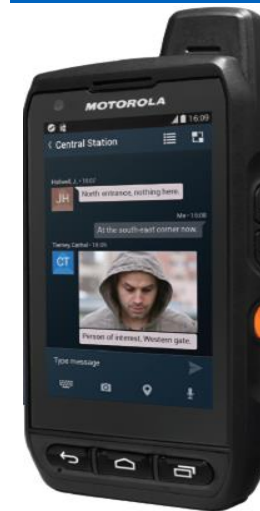
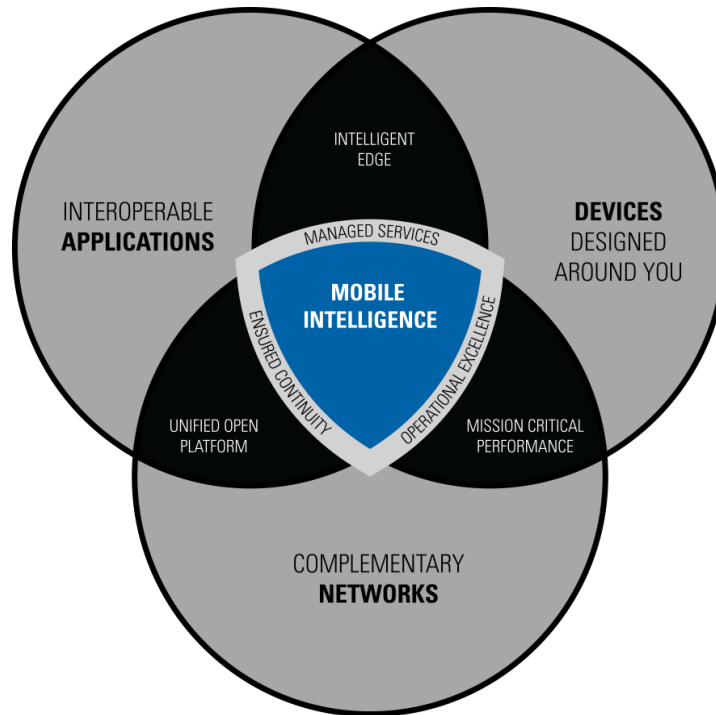
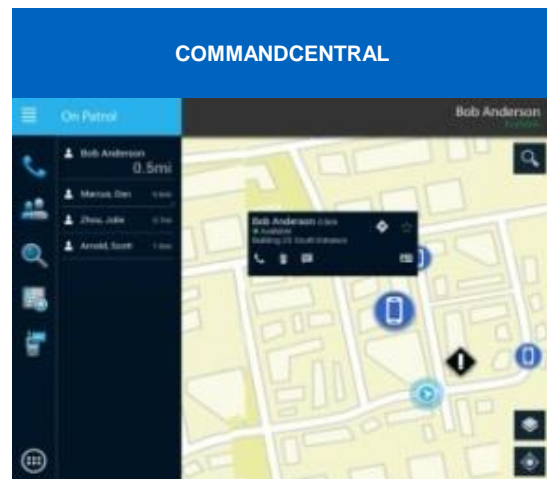
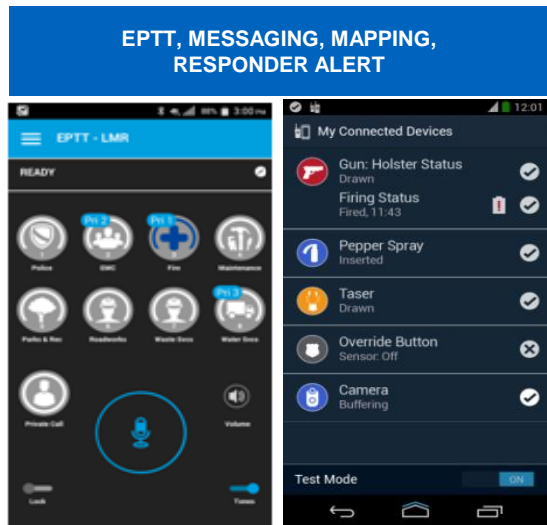
**When multi-agency response is required, everyone can work together using both voice and data applications.**



# AN EXPERIENCE THAT SPANS ALL PLATFORMS



# MOBILE INTELLIGENCE – NEXT GEN TOOLS TODAY



ASTRO P25 Broadband-ready LMR  
FirstNet PS Broadband Subscription\*

# FIRSTNET OPENS THE PATH TO THE FUTURE



## START USING FIRSTNET NOW

### Take Advantage of Groundbreaking New Capabilities

- Priority and pre-emption for data network access
- Faster data speeds for multi-media applications
- Nationwide interoperability

### Optimize LMR & LTE Systems for Maximum Interop

- Mutual aid
- Working with federal agencies
- Connecting outside the jurisdiction



**MOTOROLA**  
**SOLUTIONS**



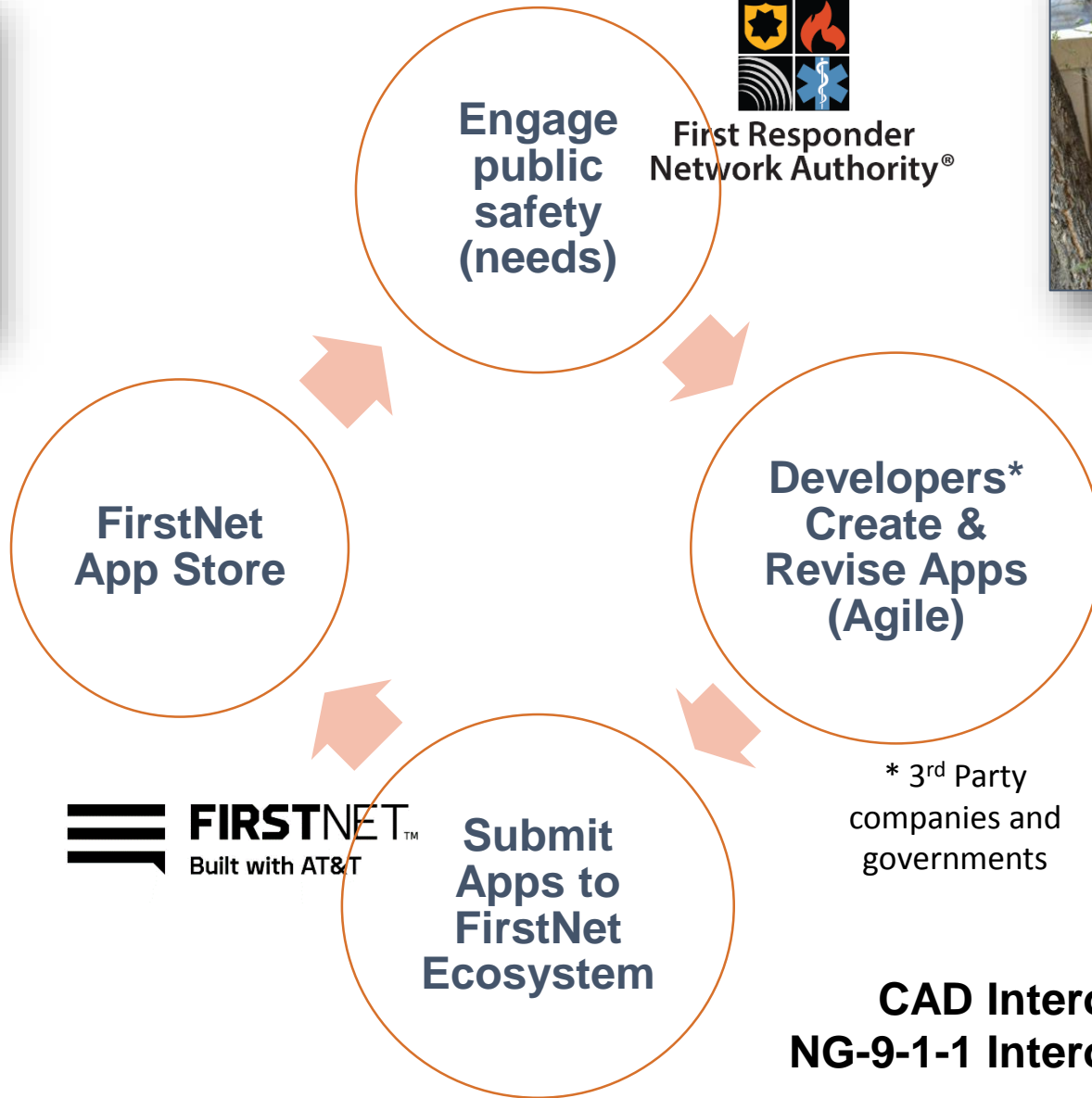
**Bill Schrier**  
**FirstNet**

# DEVELOPMENT LIFECYCLE and POTENTIAL APPLICATIONS

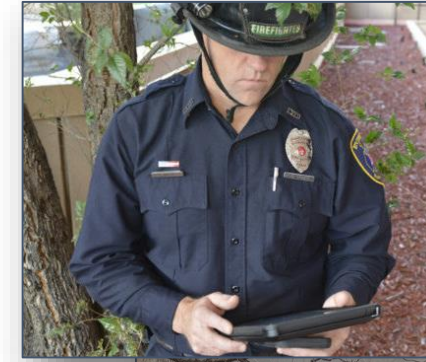


Access to Patient monitors and records (with permission)

CJIS records, warrants



First Responder Network Authority®



3D Building Diagrams & Building IoT access



Submit Apps to FirstNet Ecosystem

\* 3rd Party companies and governments

CAD Interop  
NG-9-1-1 Interop



# DEVELOPMENT LIFECYCLE and POTENTIAL APPLICATIONS



[www.firstnet.gov](http://www.firstnet.gov)

[www.firstnet.com](http://www.firstnet.com)







**FIRSTNET**<sup>TM</sup>

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# APPENDIX