FirstNet
Texas Interoperable Communications Coalition

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MILESTONES

600K+ FirstNet connections

Public safety agencies signed **7,250+**

75 Deployable network assets, including 3 Flying COWs

25% Faster[1] than any commercial network

Markets[2] with Band 14 spectrum **600+**

50%+ Band 14 coverage completion; well ahead of schedule

National Public Safety Broadband Network

25 Year Federal Contract	**313-100 vs. 310-410**	**Band Class 14**	**Separate Private CORE w/ SNOC**
Preemption	**Subscriber Paid & Extended Primary**	**Application Ecosystem**	**ROG & Deployables**

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2019 Texas Highlights

Investment

$7.9B+

On TX network since 2016

BC14 Deployed

Abilene; Austin; Beaumont; Brownsville; Corpus Christi; El Paso; Galveston; Laredo; Lubbock; Midland/Odessa; Victoria, Wichita Falls

Housed

5

FirstNet Dedicated SATColts

- Houston
- San Antonio
- Euless
- El Paso

New cell sites in Rural:

- Walker County
- Madison County
- Polk County
- San Jacinto County

Deployed In-Building

- Kay Bailey Hutchison Dallas Convention Center
- Kyle Field DAS Expansion
- Methodist Hospital Dallas
- Bexar County Regional EOC

FirstNet Deploys for Texas

Harris County- Hurricane Harvey

Robertson County- Search and Rescue

Texas City Fiber Cut

Austin – Austin City Limits Music Festival

Austin – University of Texas Football Game

FEMA Region VI - Denton

Harris County LTE
@HarrisCountyLTE

.@FirstNet and our team on location in support of President Bush's procession. #Remebering41 #publicsafety

2:19 PM · 12/6/18 · Twitter for iPhone

Harris County- George Bush 41 Funeral

Chambers County- Air Freight Crash

DPS Florence – Ride and Drive Event

McDannald Fire Support Deployment

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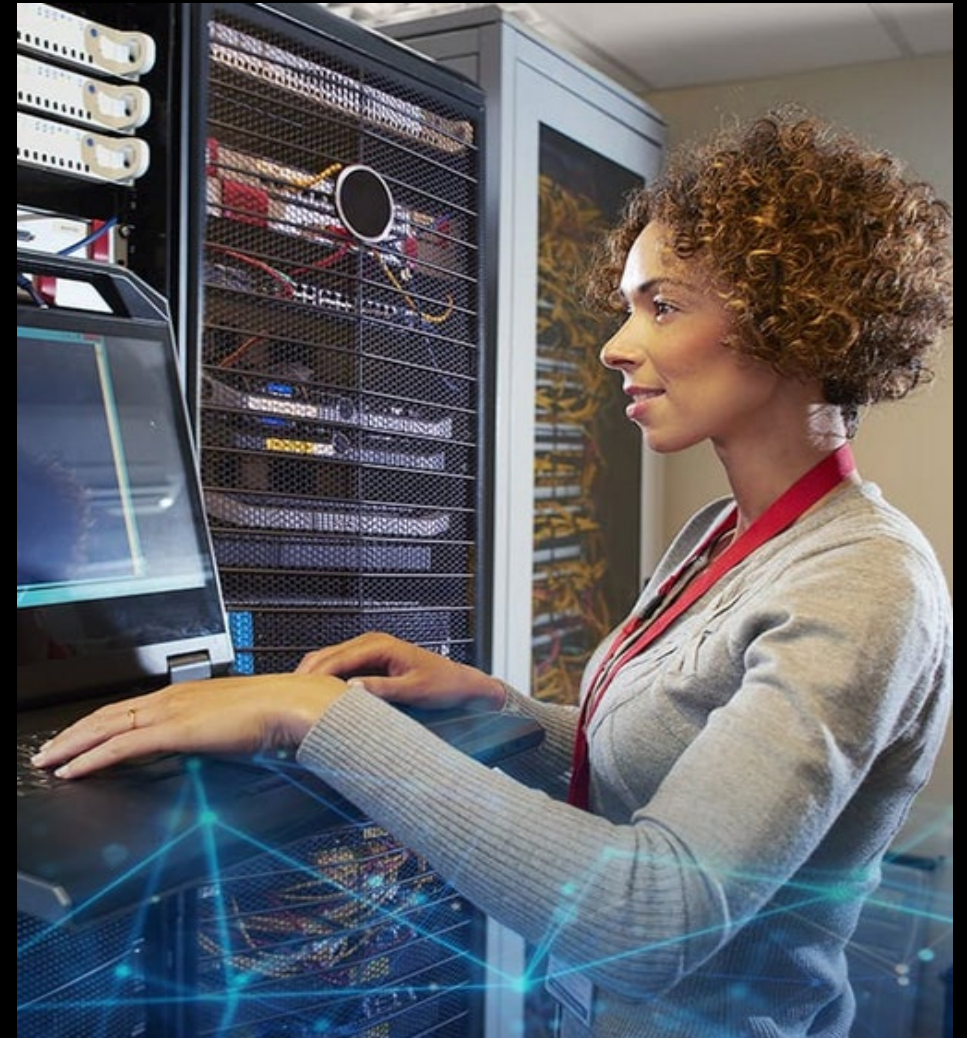
5G EVOLUTION

- 5G Evolution is our first step on the road to 5G. We're starting by enabling faster speeds on our existing LTE network—up to 2x faster than standard LTE*

- New technologies being added to our network:
  - Carrier aggregation - more "lanes" to the highway data travels on
  - 4x4 MIMO doubles the number of antennas that can send data back and forth
  - 256 QAM makes data transmission more efficient
  - Increasing capacity and coverage
  - Adding fiber to the network - higher peak speeds
  - Enhancing our core network to support lower network latency
  - New tower equipment that we can upgrade through software

*2x Faster: Based on AT&T standard 4G LTE v. 5G Evolution avg download speeds. Avail. in select areas only with capable device.

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100+ FirstNet Devices

Smart / Phones &MiFi

Standard and rugged options with new features and functionality to provide an optimal experience for productivity, connectivity and security to hold up against the rigor of first responder use.

In-Vehicle

Devices are approved for use and designed to operate in demanding environments of first responders.

Tablets & Laptops

Diverse selection including standard and rugged options to enhance productivity, connectivity and security.

Accessories

Offering a wide assortment of accessories designed for first responders to be safe and efficient on the job.

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APPS RESPONDERS CAN TRUST

1. **Highly Secure.**
   - Every app is inspected for vulnerabilities
   - Data is protected and network is encrypted
   - **FirstNet Certified™** = passed additional code scrutiny

2. **Reliable.**
   - Always connected with **First Priority™**
   - Availability ≥ 99.9%
   - **FirstNet Certified™** = resilient, scalable, and ≥ 99.99% available

3. **Relevant.**
   - Meets unique needs of public safety
   - Agency-controlled with easy EMM/MDM
   - **FirstNet Certified™** = optimized use of device resources

4. **Extensible.**
   - Priority access for extended primary users with device uplift
   - Always-connected apps, across all users, with **App Priority™**
   - Single sign-on across FirstNet SSO-capable apps and systems

APP ENABLER	#	APPS BY TYPE	Law Enforcement	Fire & Rescue	Emergency Medical	PSAP / ECC	Emergency Mgt	Medical / Hospital	Education
Common Operating Picture	4	Public Safety (3): Dforce; Explorer for ArcGIS; Intrepid Response School Safety (1): CrisisGo	3	3	~	~	3	~	1
Mission Activities	8	Calls-for-Service (2): PocketCop; SceneDoc Drone Flight Logs: (1): SafetyDrone Patient Care (2): Pulsara; e-Bridge Entity Tracking (1): EMTrack LE Agnecy Info (1): USPD Hub Document Mgt (1): Box	5	3	4	1	3	3	~
Communications	6	PTT (4): AT&T Enhanced PTT; ESChat; Orion; Tango Tango Messaging (1): Business Messenger Notificaitons (1) HipLink	6	6	6	6	6	6	6
External Awareness	5	Officer Vitals (1): Automatic Injury Detection School Buses (1): Sonim SAFEBUS Fleet Mgt (2): Fleet Complete Dispatch & Mobile Facilities (1): EMResource	4	3	4	4	3	3	3
SmartPhone Expansion	3	BodyWorn Camera (2): 10-21 Video; Visual Labs Scanner (1): Sonim Scan	3	1	1	2	1	1	1
Public Interaction	5	On-Scene Info (2): Visual911+; ArcAngel CPR Assistance (1): PulsePoint Medical Profile (1): ERInfoPro (Not yet released) Vehicle Safety (1): Haas Alert	2	5	3	1	3	1	~
Device Management	8	Optimization (2): AccessMyLAN; NetMotion Mobility Endpoint Security (2): MaaS360; SEP Mobile Enterprise Access (2): MobileIron Go; Mobile @ Work EMM/MDM (2): Intelligent Hub (VMWare); Lookout for Work	8	8	8	8	8	8	8
Information Resource	3	National Reference (2): eAUXFOG; eNIFOG State Reference (1): Kansas eFOG	3	3	~	~	3	~	~
FirstNet/IoT Management	2	Single-Sign-On (1): FirstNet SSO User Uplfit & Field Support (1): FirstNet Assist	2	2	2	2	2	2	2
	44		36	34	28	24	32	24	21

Texas City ISD Experiences FirstNet Benefits First-Hand

An active shooter false alarm demonstrated the potential for improved communications that FirstNet could provide during emergencies.

Georgia homeland security: We rely on IoT and FirstNet for emergencies and disasters

From law enforcement to hurricanes and even the Super Bowl, Georgia Emergency Management Agency and Homeland Security is relying on smart cities and IoT technology backed up by AT&T's FirstNet.

Corinne Reichert

San Jose announces widespread FirstNet adoption for public safety, other city government personnel

Donny Jackson

- **Law Enforcement**
  - Undercover or covert operations
  - State Police – Governor's Protection
  - Regional Task Force Operations
  - Mobile based units – Motors, Bikes, Horse

- **Fire & EMS**
  - Inspectors
  - Fire Marshal
  - Arson Investigators
  - Command Staff
  - Consolidated devices for EMS

- **Public Safety Administrative Support**
  - Community Support Officers
  - Communications & Logistics

- **Public Works**
  - Streets
  - Water & Sewer
  - Planning & Zoning
  - Solid Waste
  - Social Services

- **Education**
  - School Buses
  - Facility Management
  - Security
  - School Emergency Response Teams

- **Municipal Transportation**
  - Transit Buses
  - Paratransit

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