# FIRSTNET:Built for Public Safety

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Built with AT&T

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# FIRSTNET HISTORY

Over 100 years in emergency response solutions.

**July 2004**
9/11 Commission Report published.

**March 2010**
FCC follows the 911 Commission's recommendation to create a nationwide public safety network.

First Responder Network Authority

**February 2012**
The FirstNet Authority was authorized to develop and oversee the dedicated nationwide network for first responders.

**March 2017**
AT&T awarded contract to provide the capabilities for FirstNet to be built.

**December 2017**
All U.S. states & territories opt in.

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**Today**
600K+ Subscribers
7250+ Agencies
53+% Core Buildout

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# BY THE NUMBERS

The **only** dedicated communications platform in the country that brings public safety:

- ***Always-on, 24x7** priority and preemption across voice and data communications*
- *A physically separate network core **fully dedicated** to public safety*
- *Government oversight and accountability from the **FirstNet Authority***

**1.9M+**
FirstNet connections

**15K+**
Public safety agencies and organizations subscribed

**150+**
apps in the FirstNet App Catalog

**180+**
FirstNet Ready™ devices

## **For Public Safety,** By Public Safety

**2.61M+**
Square miles of LTE coverage nationwide

**120K+**
Square miles of LTE coverage added in 2019

**76+** Dedicated deployable network assets, including Flying COWs™ and FirstNet One.

**80%+**
Band 14 coverage completion; well ahead of schedule

**700+**
Markets[1] with Band 14 spectrum

pdated: 1/28/2021

Markets defined by FCC CMAs.

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# ONE COMMUNITY. TOGETHER.

## PRIMARY

Fire
Law Enforcement
EMS
PSAP
EMA

## EXTENDED PRIMARY

Healthcare

Education

Utilities

Transportation

- Emergency Operations Centers
- IT and Network & IoT M2M

Other Support Responders

Airline Emergency Operations Director or other authorized Airline representative may designate ***necessary personnel and equipment as Extended Primary eligible*** to operationalize the required Federal contingency plan as defined under Title 49 CFR 1544.301. Title 49 CFR 1544.301 requires aircraft operators to have a current contingency plan in place and participate in airport sponsored exercises for incident response.

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# WHY FIRSTNET?

## Built for you. Inspired by you.

- *FirstNet provides* 24x7x365 *Priority and Preemption for users during a time of crisis or emergency.*
- The only physically separate network core dedicated just to you.
- Prioritized access on *all* AT&T LTE bands
- *No throttling* for FirstNet subscribers anywhere in the country
- Premium Device offers only available for FirstNet users
- 24x7x365 U.S. based customer support line.

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# NETWORK SECURITY

## SECURITY & ENCRYPTION

FirstNet core is dedicated, physically separate and highly secure environment

FirstNet Network adds a level of protection and security

- 8 Security Operations Centers - 24/7/365
- Using next-generation, virtualized security functions, we can more rapidly and flexibly respond to FirstNet subscribers' security needs

- AT&T has deployed a redundant and highly secure network
- With more than 251 petabytes of data crossing our network every day, we analyze approximately 670 billion flows of network data that represent on the order of 20.4 petabytes of data per day.
- On average, we see 110 billion potential probes for vulnerabilities across our global IP network every day.

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# FIRSTNET ADVANTAGES

## EMERGENCY RESPONSE

**75 Dedicated FirstNet Deployable network assets; including 3 flying COWs**

- Provide voice, data, location, messaging, and First Priority®
- Capability of up to 25Mbps downlink and 8 Mbps uplink
- Planned and Unplanned events
- Helps ensure business continuity and disaster recovery

**Assets Exclusive to FirstNet Customers**

- Restore network during times of crisis
- Deployables can be requested locally 24/7

Access to 180+ AT&T Commercial Cell on Wheels, Cell on Light Truck and Cell on Wings.

## Network Restoral/ Availability

- **Drop Kits**
  - Use Case – provide temporary satellite coverage anywhere in the US
- **Full Scale Deployable**
  - PSE owned first on scene vehicles

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# FIRSTNET DIFFERENCE

## Commitment

- Unique, purpose-made solutions, **exclusively for public safety** community. **BAND 14**
- **25-year** contract
- **$40B investment** into FirstNet network by AT&T
- **A single nationwide, interoperable**, broadband network with **priority and preemption 24/7**

## Accountability

- **AT&T is bound by contract** to deliver unique services for public safety's dedicated use
- **Stiff penalties** if AT&T fails to meet its commitment
- **Unprecedented transparency into the network** performance at the local level

## Security

- **Dedicated core** with end-to-end LTE network encryption
- **U.S. based FirstNet security operations center** and dedicated 24x7x365 support
- **A dedicated team of experts** who monitor the network and keep your vital apps, devices and connections secure

## Innovation

- **Open, inclusive ecosystem** to serve as the backbone of public safety communications
- Contractually mandated roadmap includes:
  - **App Store for Public Safety**
  - **Innovation at FirstNet Lab**
  - Broadcast technology and **z-Axis** location based services

## Agility

- **72 FirstNet dedicated deployables**
- Only company to receive the **Private Sector Preparedness Program Certification from DHS**

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# THANK YOU

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