What is FirstNet?
History in the Making – FirstNet

March 2010

FCC follows the 911 Commission’s recommendation to create a nationwide public safety network

Middle Class Tax Relief Act of 2012 authorizes the creation of FirstNet

March 2017

AT&T awarded contract to build network

AT&T and FirstNet release state plans and FirstNet.com

February 2012

June 2017
Innovative Public-Private Partnership

Creating an Infrastructure Dedicated to Public Safety

Customer Experience  20MHz Spectrum  $180B Infrastructure  Technology & Innovation

Program Management  Public Safety  Secured Network  Telecom Expertise

FirstNet

AT&T

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Infrastructure Investment

$40B AT&T Investment into FirstNet Network

$6.5 FirstNet Initial Funding

$180B AT&T Network Investment Over 25 Years
Delivering on what public safety asked for:

- Public safety always gets priority
- Highly secure network to meet public safety’s data requirements
- Controlled access by public safety agencies for their users
- Exclusive, well-vetted content
- Coverage where public safety operates
- Enhanced user experience
Transforming Public Safety Communications

**MODERNIZED**
- Innovative apps and large devices ecosystem
- Network improvements and upgrades over 25 years
- Multi-layered, proven, cybersecurity and network security solutions

**PRIORITIZED**
- Primary users receive highest priority and, once available, preemption
- Rapid deployment of network
- Nationwide QoS, priority and preemption will be available over existing infrastructure

**SPECIALIZED**
- Nationwide coverage with access to deployables
- Aggressive pricing for public safety
- Dedicated 24/7/365 public safety helpdesk

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FirstNet Value Proposition

Availability  Operability  Innovative
FirstNet Priorities – Core Infrastructure

Dedicated FirstNet core supporting preemptive capabilities.
FirstNet Value Proposition

Coverage

• 99% population coverage
• The FirstNet experience extends to the all AT&T LTE bands
• Deploy and extend coverage in rural areas

• Deployable for coverage extension & replacement
• Access To 40,000+ Wi-Fi hotspots
• 6,000+ Distributed Antenna Systems
In-Building Solutions

- Access to existing in-building AT&T LTE network architecture
- Priority access will be available on AT&T LTE in-building network architecture in December 2017
- 6,000 Existing Distributed Antenna Systems (DAS) distributed across the FirstNet footprint
Deployable Assets

Existing Assets

120+

LTE Deployables

*Potential to Use Your Own Entity Assets

Dedicated Public Safety Assets

72

FirstNet Dedicated SatCOLTs
Quality of Service, Priority and Preemption (QPP)

- **Quality of Service**: Establishes minimum/maximum service quality parameters
- **Network Preemption**: Terminates or relocates lower priority users to provide primary users with access
- **Network Priority**: Gives users preferred access to network resources

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FirstNet QPP Capabilities in a Nutshell

QPP on Band 14 and AT&T commercial LTE bands

- QPP benefits on all AT&T commercial LTE bands when state opt-in (preemption expected in late 2017)
- Ability to support non-Band 14 Certified LTE devices
- Priority and preemption for primary users at no additional charge
- Three levels of permanent priority can be assigned for public safety agencies
FirstNet Value Proposition

Competitive Devices and Service Plans

- Service Plans & Procurement
- Basic & Mission Critical Services
- Devices & BYOD
Service Plans & Procurement

Competitive Rate Plans Using Existing Government Contract Vehicles

- Rate Plans that are competitive
- Support a broad portfolio of devices
- Smartphones, tablets, ruggedized
- Voice, data, messaging, and applications supported on the FirstNet Network
Rate Plans

- Rate Plans for Primary & Extended Primary
- Unlimited & Pooled Options
- Feature Phone Plans & Data-Only Plans
### Device Ecosystem

#### AT&T Stocked Devices

<table>
<thead>
<tr>
<th>Smartphones</th>
<th>Rugged Phone</th>
<th>Tablets</th>
<th>Data Only</th>
<th>Wearables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple iPhone</td>
<td>Sonim XP5</td>
<td>Apple iPad</td>
<td>Netgear Unite</td>
<td>Apple Watch</td>
</tr>
<tr>
<td>Samsung</td>
<td>Kyocera Dura</td>
<td>Samsung Galaxy</td>
<td>ZTE Hotspot</td>
<td>LG Watch</td>
</tr>
<tr>
<td>LG flip</td>
<td>LG G Pad</td>
<td>Microsoft Surface</td>
<td>AT&amp;T Home Base</td>
<td>Samsung Gear</td>
</tr>
</tbody>
</table>

#### AT&T Non-Stocked Devices

<table>
<thead>
<tr>
<th>Trunk Mounted Modem</th>
<th>Internet of Things Connectivity</th>
<th>Ruggedized Tablets &amp; Laptops</th>
<th>PTT Devices &amp; Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cradlepoint IBR1100</td>
<td>Cisco 819 Router</td>
<td>Panasonic Toughbook CF-53</td>
<td>Sonim XP7</td>
</tr>
</tbody>
</table>

### Team AT&T

AT&T works with 500+ device OEMs to bring the latest device technology to market.

2,300 certified Internet of Things (IoT) devices

28 million IoT devices on network
FirstNet Value Proposition

Applications

Local Control

Identity, Credential & Access Management

Security
Identity Credentials and Access Management (ICAM)

Identity
Credential
Access management
ICAM: User Experience For Public Safety

- One touch mobile Single Sign-On
- Federated Single Sign-On
- Biometric or other multi-factor authentication
- End user authentication with advanced encryption
- Identity Management (IdM)
- Derived Credentials for Common Access Card (CAC) and Personal Identity Verification (PIV) card solutions
Security

- 24x7 SOC dedicated to FirstNet
- End-to-end encryption
- ICAM integration
- Ruggedized to withstand outages and threats
- Aligned policies to meet FirstNet objectives
App Ecosystem

FirstNet Landing Page
- FirstNet Homepage
- Wireless account management functions
- Access to user security profile
- Shop for mobile devices and plans

Local Control Interface
- Network Availability Alerts
- Weather and Traffic Alert
- Network Outage Alerts
- Report Coverage Issues
- Emergency Hotline

Application Store
- Public Safety Applications Catalog
- Device Security Tools
- Private Connection Software
- Cloud Storage Solutions
- Application Developer Program

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Discipline-Specific Solutions

**Law Enforcement**
- Situational Awareness
- Video Surveillance
- Records Management System
- Wearable Devices & GPS
- Computer Aided Dispatch (CAD)

**Fire**
- Situational awareness
- Mapping, location
- Wearable devices and sensors
- Computer Aided Dispatch (CAD)

**EMS**
- Telemetry & Telemedicine
- Records Management System
- Wearable Devices & Sensors
- Computer Aided Dispatch (CAD)

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Connectivity Focused on Public Safety

FirstNet Developer Portal

1. Best and brightest developers
2. Use of AT&T APIs
3. Apps for Public Safety

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FirstNet Value Proposition

Support Experience

Support

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Dedicated First Responder Support

- Single FirstNet number
- Technical Support Available 24x7x365
- US-based representatives
- International support line for US Territories
- Fully staffed and available starting in June 2017

Emergency Disaster Support

- Disaster event is confirmed and emergency message is turned on in the IVR system
- First Responder dials FirstNet helpdesk
- Caller confirms emergency incident and is routed to a FirstNet Helpdesk agent
- FirstNet helpdesk agents resolve issues and engage on-call resources
Stay Connected