FirstNet Authority Differentiators and Roadmap

Metro Fire Chiefs Conference – Edmonton

Kevin Nida, Sr. Public Safety Advisor
Public Safety Advocacy
FirstNet Differentiators

- FirstNet is the only Public Safety Broadband Network in the U.S. legislated by Congress, and guaranteed by its contractor, AT&T to perform for 25 years.

- The network will provide coverage where public safety operates.

- FirstNet has a separate public safety Core to separate public safety traffic from commercial traffic. The geo-redundant multi-node Core is the only one in existence in the U.S. designed to serve public safety with a guaranteed performance metric.
FirstNet Differentiators

• The FirstNet Core provides true priority and pre-emption to a guaranteed quality of service standard of 99.99% under contract.

• FirstNet maintains a 24/7/365 Support Staff to immediately address network issues, and to dispatch emergency support under contract, and provide deployable devices if required to support the incident.

• FirstNet maintains a Security Operations Center 24/7/365 to monitor the network performance against threats and to take immediate action when threats, or potential threats are detected.
FirstNet Differentiators

• FirstNet employs over 30 Senior Public Safety Advisors assigned by region & specialty with decades of law enforcement, fire, EMS, 9-1-1 center, and Information Technology experience to educate, inform, collaborate, influence, consult and advocate for you.

• AT&T, under contract, will build and maintain the PSBN to FirstNet’s public safety standards.
Public safety administrators and Incident Commanders/COML access only

Allows administrators and sub-administrators to:

- View network status for planned maintenance and unplanned outages
- Receive Network Alerts via text and email
- Uplift users to incident level priority during an incident
- Add users to a specific incident
- View layers for:
  - Weather
  - Traffic
  - Network Alerts
FirstNet Best First Responder Experience

- Band 14 Deployables and Band 14 enabled devices are mandatory for the best possible experience until the Band 14 network is completed in your region, and mission critical voice, data, video and PTT are completed before FOC, March 30, 2022.

- The best experience for service will be using the newest devices equipped with Band 14 & the Black FirstNet SIM.

- Band 14 is required for the best experience when built out in your area, which appears in many areas of CA to maximize in IOC 3 & 4. IOC 3 ends 3-29-2020 and IOC 4 ends 3-29-2021.

- Quality of Service with Priority and Preemption is scheduled to be available in IOC 2, March 30, 2018 thru March 29, 2019.
FirstNet Best First Responder Experience

- Enhanced Voice over LTE (VoLTE) with Priority is scheduled to be available in IOC 3, March 30, 2019 thru March 29, 2020.

- 3GPP Mission Critical Push-to-Talk (Unicast only) is scheduled to be available in IOC 4, March 30, 2020 thru March 29, 2021.

- 3GPP Mission Critical Push-to-Talk (Broadcast), Mission Critical Voice/Data/IoT are scheduled to be available in IOC 5, March 30, 2021 thru March 29, 2022.

- Our final operating condition (FOC) occurs from March 30, 2022 to March 30, 2023 where all items on the IOC milestones are to be delivered under contract to FirstNet by our contractor, AT&T.
FirstNet Best First Responder Experience Re-Cap

• Band 14 Network Build-Out, or a Band 14 Deployable for pre-planned event on long-term incident
• A New Band 14 Capable Device
• Black FirstNet SIM
• Employ 3GPP Mission Critical Voice, PTT, Video and Data Standards from Initial Operating Condition-2 to our Final Operating Condition
FirstNet Authority Roadmap
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 Development

**Input**
- Operational Needs
- Trends & Drivers
- Policy
- FirstNet Solution Roadmap

**Opportunities**
- Collaborate to Realize Operational Benefits
- Input to Product Development
- Influence National Policies and Programs
- Inform FirstNet Network Roadmap

**Engagements**
- Public Safety Engagement
- Ecosystem Engagement
- Government Engagement
- Partner Engagement

**Collaborate to Realize Operational Benefits**
- Input to Product Development
- Inform FirstNet Network Roadmap
<table>
<thead>
<tr>
<th>Core</th>
<th>Coverage &amp; Capacity</th>
<th>Situational Awareness</th>
<th>Voice Communications</th>
<th>Secure Information Exchange</th>
<th>User Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC</td>
<td>Macro Coverage</td>
<td>Location Services</td>
<td>Mission Critical Push-to-talk (MCPTT)</td>
<td>Data Access</td>
<td>Priority Services</td>
</tr>
<tr>
<td>IMS Core</td>
<td>Capacity</td>
<td>Sensors</td>
<td>PTT Interconnection</td>
<td>Data Sharing</td>
<td>Applications</td>
</tr>
<tr>
<td>Services Platforms</td>
<td>In-building Solutions</td>
<td>Wearables</td>
<td></td>
<td></td>
<td>Devices</td>
</tr>
<tr>
<td>App Servers</td>
<td>Temporary/On-Demand Coverage</td>
<td>Cameras/Video</td>
<td></td>
<td></td>
<td>Accessories</td>
</tr>
<tr>
<td>Service Enablers</td>
<td>Range Extension</td>
<td></td>
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<td></td>
<td>Device-to-Device</td>
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<td>Air-to-Ground</td>
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<td>Maritime Operations</td>
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<td></td>
<td>Availability/Reliability/Resiliency/Hardening</td>
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<td>Scope Description</td>
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<td>Core</td>
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First Responder Network Authority Roadmap Domains
FirstNet Authority Q&A

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