FirstNet: An Overview of the Applications Catalog and FirstNet Ready Devices

April 17, 2019 1-2 pm ET
Agenda

• Introduction

• Overview of the NISC

• FirstNet: An Overview of the Applications Catalog and FirstNet Ready Devices

• Q&A

• Quiz for those seeking Continuing Education Units (CEUs)
Today’s Speakers

Sean McSpaden, NISC Executive Director

Jennifer Harder, Senior Director – Products and Services, FirstNet

Travis Hull, Public Safety Products Advisor, FirstNet
Continuing Education Units (CEUs)

- CEUs will be awarded to participants that watch the webinar and complete the quiz following the webinar
- 0.1 CEUs for this hour-long event
Learning Objectives

After today’s webinar, participants will be able to:

1. Identify the FirstNet device process;
2. Identify the FirstNet app process; and,
3. Describe the FirstNet App Catalog

If you have questions during the webinar, please submit using the question feature in GoToWebinar.
NISC Mission-Focused Job Aids Webinar Series

• In-depth discussion of tools, techniques, and standard operating procedures used for information sharing

• Webinar content applicable to multiple fields, including:
  • Homeland security,
  • Emergency management,
  • Public safety,
  • First responder, and
  • Healthcare preparedness.
NISC Mission-Focused Job Aids Webinar Series

• **May 23**: Cross-Sector Collaboration with Juvare Exchange

• **June 27**: First Responder Communities of Practice

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National Information Sharing Consortium

The NISC is a non-profit organization devoted to improving information sharing at all levels of government and for all homeland security, emergency management, first responder, healthcare, and public safety stakeholders.
NISC Members Span Multiple Domains & Disciplines

Public Sector – Private Sector – Non-profits

- Critical Infrastructure
- Emergency Management
- EMS
- Fire
- GIS
- Information Technology
- Law Enforcement
- Military
- Private Industry
- Public Health
- Homeland Security
Member Benefits & Application

• Guidance and technical assistance
• Knowledge exchange and networking opportunities
• Access to the NISC Member Portal

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FirstNet: An Overview of the Applications Catalog and FirstNet Ready Devices

Jennifer Harder, Senior Director – Products and Services
Travis Hull, Public Safety Products Advisor
April 17, 2019
First Responder Network Authority Products Team

FirstNet: for public safety, by public safety

<table>
<thead>
<tr>
<th>Service Plans &amp; Procurement</th>
<th>Coverage</th>
<th>Devices</th>
<th>Basic Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSAC</td>
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<td>PSA SMEs</td>
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<tr>
<td>Public Safety Entities</td>
<td>PSA SMEs</td>
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<td>PSA SMEs</td>
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</table>

FirstPriority™

ICAM

App Catalog

Local Control

Public Safety Home Page

App Developer Program

Solutions

In-building Solutions

Deployables

Training

Customer Care

Cybersecurity
The FirstNet Solution

- Nationwide Network
- Priority for First Responders
- Secure, Reliable
- Mobile Devices (Band 14)
- App Catalog
### First Responder Network Authority Roadmap Framework

<table>
<thead>
<tr>
<th>Coverage and Capacity</th>
<th>Situational Awareness</th>
<th>Voice Communications</th>
<th>Secure Info Exchange</th>
<th>User Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presence of NPSBN within a given geography, with sufficient capacity for public safety to perform duties</td>
<td>The ability to aggregate and synthesize data in real-time from multiple sources (human, machine, sensors, etc.) and present actionable insights to the public safety on the NPSBN</td>
<td>Ability for public safety to verbally communicate with one another across agencies, jurisdictions and platforms (e.g., VoIP, LMR)</td>
<td>Access, exchange and manage data securely and conveniently within/across public safety agencies and jurisdictions</td>
<td>Tailoring of NPSBN capabilities, features, devices and applications to public safety needs and requirements</td>
</tr>
</tbody>
</table>
FirstNet Built with AT&T
FirstNet Processes

Device Processes
- Device Approval Program
- NIST List of Certified Devices

Application Processes
- Application Developer Portal
- FirstNet Certified™ and Listed Apps
Device Processes
FirstNet Device Approval Process

1. Receive Technical Acceptance document from AT&T
2. Generate custom test plan based on identified features and functions
3. Public Safety Feature Audit Verification Execution
4. Generate test report and obtain required signatures
5. Notify NIST to add device to list
# NIST List of Certified Devices

<table>
<thead>
<tr>
<th>Model</th>
<th>FCC ID</th>
<th>Date of Entry</th>
<th>Comments</th>
<th>Band 14 Support</th>
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</thead>
<tbody>
<tr>
<td>100-600M</td>
<td>RI7LM940</td>
<td>March 8, 2019</td>
<td>IVR/Trunk Modem</td>
<td>NO</td>
</tr>
<tr>
<td>700-600M</td>
<td>RI7LM940</td>
<td>March 8, 2019</td>
<td>IVR/Trunk Modem</td>
<td>NO</td>
</tr>
<tr>
<td>Pro 2 (E6920)</td>
<td>V65E6920</td>
<td>March 8, 2019</td>
<td>Rugged Handheld</td>
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<tr>
<td>1100LP6</td>
<td>UX5-5A542A</td>
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<td>NO</td>
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<tr>
<td>54-A146</td>
<td>N7NEM755</td>
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<td>CF-54</td>
<td>N7NEM7455</td>
<td>April 1, 2019</td>
<td>Laptop</td>
<td>NO</td>
</tr>
<tr>
<td>E (M14Q2F)</td>
<td>NKRM18Q2</td>
<td>April 1, 2019</td>
<td>Other</td>
<td>NO</td>
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<tr>
<td>F110</td>
<td>QYLEM7511F</td>
<td>April 1, 2019</td>
<td>Tablet</td>
<td>YES</td>
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<tr>
<td>7400 2 in 1</td>
<td>MCLT77W968</td>
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<td>YES</td>
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<tr>
<td>JetIoT-XLE</td>
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<td>April 1, 2019</td>
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<tr>
<td>FZ-G1</td>
<td>AC9TGVW16D</td>
<td>April 1, 2019</td>
<td>Tablet</td>
<td>YES</td>
</tr>
</tbody>
</table>

The Middle Class Tax Relief and Job Creation Act of 2012 (Act) [5] defined responsibilities for the National Institute of Standards and Technology (NIST) [1] in regards to the Nationwide Public Safety Broadband Network (NPSBN) and the First Responder Network Authority (FN) [2]. AT&T was awarded the contract by FN to partner with FN and to build the NPSBN. One requirement of the Act is that the Director of NIST shall ensure the development of a list of certified devices that meet appropriate protocols and standards for access to, use of, or compatibility with the NPSBN that FN and AT&T build and maintain. This requirement is carried out by the Public Safety Communications Research Division (PSCR) [3] of the NIST Communications Technology Laboratory. This document lists certified devices that meet appropriate protocols and standards for access to, use of, or compatibility with the NPSBN that FN and AT&T build and maintain, in accordance with the process document: “Process Document for the NIST List of Certified Devices” [4].

| 92 | Apple | iPad Mini 5 (A2126) | BCGA2126 | April 1, 2019 | Tablet | YES |
| 93 | Apple | iPad Air 3 (A2153)  | BCGA2153 | April 1, 2019 | Tablet | YES |
FirstNet Device Ecosystem

Smartphone
- Apple iPhone XR & XS
- Apple iPhone XS Max
- LG K20
- LG Stylo™ 4+
- LG V35 ThinQ
- Samsung Galaxy S10, S10e, S10+, S9, S9+
- LG V40 ThinQ
- Moto G6 play

Rugged
- Motorola LEX L11
- Sonim XP5S
- Sonim XP8

Laptop
- Dell Latitude 14 Rugged 5420
- Dell Latitude 14 Rugged 5424
- Dell Latitude 14 Rugged 7424

Vehicle Router
- Cradlepoint IBR1700-1200M, IBR900-1200M
- Sierra Wireless MG90 LTE-A Pro
- Sierra Wireless MP70 LTE-A Pro

Tablet
- Apple iPad Pro 11"
- Apple iPad Pro 12.9" (3rd gen.)
- Samsung Galaxy Tab A
- Samsung Galaxy Tab S4

Mobile Hotspot
- Netgear Unite Express 2 Mobile Hotspot
- Netgear Nighthawk LTE Mobile Router

Sample of FirstNet Ready devices as listed on FirstNet.com
Application Processes
FirstNet Developer Portal

- Entry point to sign up for the FirstNet Developer Program
- Access APIs/SDKs and other resources
- Learn about App Publishing Guidelines for Certified and Listed evaluation process
- FirstNet Certified™ and Listed apps are published in the FirstNet App Catalog
- Learn about events including hack-a-thons, competitive events, and workshops
- Continuing discussions with public safety, app developers, and AT&T to update and enhance the portal

https://developer.firstnet.com/firstnet
FirstNet App Catalog Levels

**Relevancy**
Vetted and deemed relevant for use by first responders

**Security**
Inspected and adheres to security practices that help protect data sources and users from intrusions and malicious attacks

**Data Privacy**
Inspected and uses security mechanisms designed to avoid unauthorized data access and use

**Availability**
Demonstrated availability of 99.99%

**Mobility**
Demonstrated that app’s use of devices resources and network is optimized

**Resiliency**
Demonstrated that mechanisms are in place to enable service and data recovery after a failure

**Scalability**
Demonstrated that mechanisms are in place to accommodate surges and other changes in demand and use
FirstNet App Review and Certification Process

Developer joins AT&T FirstNet Developer Program

Developer submits new app (or version update)

AT&T reviews against Listed and Certified™ criteria, as appropriate

AT&T works with developer to prepare app for resubmission

AT&T includes app in FirstNet App Catalog

AT&T submits recommendation to AT&T and FirstNet Authority Review Board

AT&T and FirstNet Authority Review Board votes on app

Work iteratively to address issues

Developer joins AT&T FirstNet Developer Program

Approve

Reject

(Listed Apps)
FirstNet Application Ecosystem

Sample Apps in the FirstNet App Catalog

- Enhanced Push to Talk
- Intrepid Response
- Fleet Complete
- Haas Alert
- AT&T Business Messenger
- 10-21 Video
- ES Chat
- Airwatch Agent
- IBM Maas 360
- SceneDoc
- Orion Push to Talk
- Pulsara
- Net Motion
- Box
- Fleet Dispatch
- PulsePoint Respond
- Explorer for ArcGIS
- AccessMyLan

App Catalog Categories

- Public Safety (Communications) Tools 25%
- Public Safety Community 19%
- Cloud Solutions 13%
- Device Security 8%
- Secure Connections 10%
- Situational Awareness 16%
- Others 9%
FirstNet App Catalog

HAAS Alert

Description

HAAS Alert notifies drivers when an emergency vehicle is approaching nearby with lights and sirens on and where they are on route. HAAS Alert will send an audible and visual notification to your device and to a driver’s in-deck system, navigators, and smartphones. Alert sounds may not only interrupt your media when it is necessary to proceed with caution. It also provides visual warnings and notifications as well. Must disable any screen-saver options as well. (More details and screenshots available online.)

What’s New

March 1, 2018
What’s Next for Devices and Applications

2019 Highlights to Date

• FirstNet Single Sign On SDK
• FirstNet App Priority API
• FirstNet Assist App

Upcoming

• Expanded Device Portfolio
• Expanded App Catalog
Outreach@firstnet.gov
Q&A

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Quiz

• Following the webinar you will be prompted to complete a quiz

• Complete the quiz to receive your continuing education units (CEUs) for this session