FirstNet

First Responder Network Authority

700 MHz Public Safety Spectrum

- June 2009 FCC mandated all U.S. based television signals be transmitted digitally. Television stations were required to vacate a portion of the 700 MHz spectrum
- February 2012 U.S. Congress directed the FCC
  - Allocate 700 MHz to Nationwide Public Safety Broadband Network
  - Form the First Responder Network Authority (FirstNet)
  - Allocated Up To $7 Billion to construct a Nationwide Public Safety Broadband Network

Why FirstNet?

- 911 Commission recommendation for Interoperable Communications for all first responder agencies.
- High-Speed Nationwide Wireless Broadband Network Dedicated to Public Safety
- A better option for local jurisdictions wanting to build out broadband networks, at higher costs

FirstNet’s 16 RFP Objectives

- Build, deploy, operate and maintain the national public safety broadband network
- Establish pricing structures to support multiple service packages
- Support ruggedized devices capable of gloved, onehanded or hands-free operation
- Provide cyber security solutions using the set of industry standards and best practices

FirstNet RFP Objectives

- Provide a service that allows users to access network services that persists through natural and manmade disasters, with annual availability of 99.9% (43.8 minutes downtime per month)
- Provide a solution that allows service priority and preemption
- Make a 25 year commitment to support the network

AT&T's Team for FirstNet

MOTOROLA SOLUTIONS

Motorola Solutions will deliver purpose-built public safety mobile applications, software and services that bridge communications between land mobile radio and LTE to enable public safety agencies to take full advantage of the network's data capabilities.

GENERAL DYNAMICS

General Dynamics brings decades of proven systems integration and program management experience, broadband engineering skills, public safety-focused applications, deployable telecommunications assets and cybersecurity resources.

Sapient Consulting

Sapient Consulting will deliver an innovative application ecosystem for the public safety community and an advanced FirstNet web portal for states.

inmarsat government

Inmarsat Government brings a wide portfolio of satellite communication solutions and value-added services in support of FirstNet.

AT&T also brings access to additional resources including:

- An extensive network of subcontractors and vendors
- 45 U.S. rural telecommunication providers
- Domestic wireless roaming agreements with 25 companies
- 500+ OEM relationships for access to top-of-the-line devices

- **FirstNet**
  - Program Management
  - Nationwide Public Safety Expertise
  - 700 MHz “Band 14” Spectrum
  - $6.5 Billion Funding to AT&T and their partners
- **AT&T**
  - $180 Billion Existing Infrastructure & Services
  - $40 Billion Investment in Technology Innovation
  - Telecommunications Expertise

- Priority and Preemption will be available on all AT&T LTE Bands
- Deploy coverage in Urban and Rural areas
- Request deployables on demand for coverage extension and replacement
- Access to AT&T Wi-Fi Hotspots, to include “in building” coverage where available.

Key Factors for State's to Consider

(PLEASE NOTE: ALASKA, HAWAII, GUAM, U.S. VIRGIN ISLANDS, PUERTO RICO, NORTHERN MARIANA ISLANDS AND AMERICAN SAMOA ARE NOT TO SCALE.)

Missouri Public Safety Broadband Safety Access Network

- Missouri has issued an RFP to gauge interest from other providers
- RFP closed August 21, responses will be evaluated by Missouri Office of Administration
- MO SIEC compare responses to FirstNet / AT&T plan & make recommendation to the Director of Public Safety
- Governor's decision to opt in to FirstNet or opt out by end of 2017
- **NOTE:** No agency is required to join FirstNet. They are free to keep their current wireless service if it better suits their needs

STARRS FirstNet Subcommittee Review

- AT&T Rate Plans need to allow pooling or group purchases
- 22GB per device limit is not acceptable
- In-building and rural coverage is a concern
- Public safety systems need to be 99.9999% annual availability (2.59 seconds downtime per month)
- Public Safety Grade – no single point of failure
- Current FirstNet/AT&T rates not competitive with existing rates

Verizon commits to building dedicated public-safety LTE core network in 2018

Donny Jackson | *Urgent Communications* *Aug 15, 2017*

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Verizon will build a dedicated public-safety LTE core network next year that will be designed to provide public-safety customers with a viable option to the FirstNet nationwide public-safety broadband network (NPSBN) being developed by AT&T, according to a Verizon executive.

What is in this article?:

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