Washington Emergency Communications Coordination Working Group (WECCWG)

Adam Geisler
FirstNet Regional Tribal Liaison for Regions IX-X

February 1, 2018
For Public Safety, By Public Safety
Adam Geisler

• Enrolled member of the La Jolla Band of Luiseno Indians (San Diego)
  • Former Elected Tribal Council Secretary
  • Vice chairman of the Inter-Tribal Long-Term Recovery Foundation
  • Contributor and Vice President for “The Red Guide to Recover”

• Decade of service, including three federally declared disasters
  • Former Tribal Advisory Committee to the Center for Disease control
  • Former Tribal Advisory Committee- CalFRN
  • Former Chair of SANDAG Tribal Transportation Working Group
  • Former Tribal Advisory Committee to California State Transportation Agency.
**THE LAW**

**2.22.12**

FirstNet becomes law (Public Law 112-96)

**GOVERNANCE**

FirstNet Board has **15 members**, including those with telecommunications and public safety backgrounds.

Each Governor appoints **1 Single Point of Contact (SPOC)** and governing body to represent the State’s interests to FirstNet.

**43 member Public Safety Advisory Committee (PSAC)** advises FirstNet on public safety intergovernmental matters.

**NATIONWIDE SPECTRUM**

**20MHz** of bandwidth dedicated to public safety in prime **700MHz** frequency range (BAND 14).

**FUNDING**

$7B authorized to the FirstNet network – all funded via spectrum auctions
FirstNet’s Journey

2001
- Radio communication challenges impact responding law enforcement, fire, EMS

2004
- Recommends national radio spectrum for public safety purposes
- Public safety unites to advocate for broadband network

2012
- Independent agency to deploy Public Safety Broadband Network

2012-15
- Outreach to the public safety community
- Governors identify single points of contact (SPOC) for FirstNet

2015-16
- Consultation in all 56 states/territories
- FirstNet works with states to collect and validate users and coverage data

2016-17
- Network RFP
- Partnership Award to AT&T
- Delivery of State Plans
- Governor’s decision

2018-22
- Nationwide expansion and buildout of Band 14 for the Public Safety Broadband Network
Milestones and Dates for Major Feature Launch

IOC 1 (9/30/2017)
- FN Public Safety Homepage with Local Control.
- FN Mobile Apps Store & Solutions Catalog
- Network operates on AT&T Commercial network

IOC 2 (3/30/2018)
- Network operates on dedicated FN Core
- QoS with priority levels and preemption
- Dedicated 24x7x365 FN Care Desk
- Band 14 COW program available

IOC 3 (3/30/2019)
- Enhanced VoLTE with Priority
- Network features enhancements (e.g., Wi-Fi calling)
- Variable QoS Features, QoS APIs for developers

IOC 4 (3/30/2020)
- Mission Critical Push-to-Talk (unicast only)
- Mission Critical PTT enablers (e.g., GCSE, ProSe, HPUE) support

IOC 5 (3/30/2021)
- Broadcast Technology
- MC PTT w/broadcast
- Enhanced Location Based Services

FOC 3/30/2022
FirstNet Features for Public Safety Communications

- Access to Quality of Service, Priority & Preemption on ALL AT&T’s LTE networks
- Device portfolio for public safety users to include iOS (Apple), Android and other devices
- End-to-end network cybersecurity solution; dedicated security operations center
- Identity, credentialing to protect sensitive information
- FirstNet App Store with curated, vetted, secure, applications
- An Applications Development Ecosystem for Developers
- Local control: ability to see network status, change priorities
- $40B in network investments over 25 years
- Network includes AT&T’s existing telecom assets (valued at $180B)
- 72 new deployables (cell sites on light trucks) dedicated for public safety use
- Partnerships with 45 rural telecom providers and wireless roaming agreements with 25 companies
- Customer service team dedicated to public safety
- Creation of 10,000+ U.S. jobs in next 2 years
- Annual payments to FirstNet for 25 years for reinvestment on behalf of public safety
Applications Ecosystem Vision

ICAM
Federated ICAM

App Dev Env
Platform for developers

Test & Cert
Certify = test against criteria

App Store
Coexist with commercial apps

SDP
Application Layer
Open APIs
Service Delivery Platform
Network Services

Cloud Services
Cost-effective agency options

Local Control
Agency controls

Security
App and data security
Sensors Sensors Everywhere – the Smartphone

- Front-facing Camera (Facial Recognition)
- Rear-Facing Camera (Digital Evidence Collection, slow motion, time-lapse)
- Bluetooth and NFC
- Proximity Sensor
- Digital Compass
- Magnetometer
- Pedometer
- Accelerometer
- Light Sensor
- Signal Strength Meter
- Moisture Sensor
- Gyroscope
- Mood Ring (not really!)
- Thermometer
- Fingerprint Sensor
- Microphone
- GPS
- Rear-Facing Camera (Digital Evidence Collection, slow motion, time-lapse)
Where To Go For FirstNet Information

Two sites provide you complete information about this first-of-its-kind initiative:

www.firstnet.gov

www.firstnet.com

FirstNet program, activities and the First Responder Network Authority

On this site:
• FirstNet mission and guiding principles
• FirstNet board and leadership
• FirstNet Public Safety Advisory Committee
• Consultation with public safety, states and territories
• State Plans Process and State Points of Contact
• The law that created FirstNet
• FirstNet Innovation and Test Lab

FirstNet network products and services and advantages for public safety

On this site:
• Quality of service, priority and preemption
• Local control features
• Application ecosystem
• Devices and accessories for FirstNet
• Coverage and rate plans
• FirstNet network FAQs
• Contact a FirstNet specialist
Built by responders for first responders
FirstNet Solutions Consultant Team – State of Washington

Garett Doyle, FirstNet State Market Manager
- Over 20 years experience in network solutions
  - Public Safety
  - State and local government agencies
  - Enterprise clients
  - AK, CO, ID, MT, NE, ND, OR, SD, UT, WY, WA
- Based out of Denver, CO

Alex Duman, Eastern WA & State of MT
- 14.5 Years in Government and Public Safety Sales
- Includes 12 years working selling & marketing to public safety
- Based out of Missoula, MT

Lauren Paolini, FirstNet Solutions Consultant - WA
- 9 Years Wireless/Telecommunications
  - 3 years small businesses sales
  - 3 years state and local governments wireless solutions sales
  - 3 years in product marketing, mobility and cybersecurity
- Based out of Seattle

Mack Bickle, Regional FirstNet Solutions Consultant
- 3 Years in Government and Public Safety Sales
- 3 years Telecom/Wireless Technology - With Cradlepoint
- Territory: ID, UT, MT, CO, WY
- Based out of Boise, ID
Questions

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Regions IX - X