

A Public Safety Perspective on the 700MHz nationwide interoperable public safety wireless broadband network

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Disclosure

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Mission Focus

- IT and Communications are not the Primary Mission of Public Safety (Law, Fire, EMS, Critical First Responders) – it's Public Safety.
- Public Safety responds to incidents and events in Rural, Tribal, Wilderness, Maritime, and Park areas.
- Even with NO communications (voice or data), Public Safety will still execute the Mission to serve the Public.
- Wireless Interoperable Mobile Broadband is unquestionably a force multiplier in the execution of the Public Safety Mission.

Need

- Coverage – Not just cities but also Rural, Park, Tribal, Maritime, and Wilderness areas.
- Affordable – we welcome the opportunity to partner with carriers – to speed implementation and reduce cost.
- We need it NOW (existing Public Safety only systems are approaching end of life – provide very limited bandwidth).

Need

- Throughput –128k/256k in uplink and 512k/1.5M in downlink (per officer*).
- Interoperability between First Responders - Events / Incidents do not always observe geopolitical boundaries.
- Interface - IP for all applications with application level rate control (QoS).
- Security – more effective than currently experienced with Service Providers.

Need

- Reliable – under stress, system still supports the MISSION (power, bandwidth, application priority, infrastructure, redundancy).
- Data and pictures are more important than Voice and Video; however, we acknowledge the utility of voice and video with this system.
- In Rural, Wilderness, Park, and Tribal areas; responders usually have vehicles. Relaying through a vehicle radio/antenna is acceptable when the Officer is away from the vehicle.

Potential Results

- Responders spend more time in the field.
- Responders can communicate between levels and jurisdictions.
- Responders can execute the Mission faster.
- Responders make better decisions with more and better data (pictures, maps, reports).
- Reliable and secure data communications.

Wrap-Up

- Thank you to the FCC / PSHSB Staff for this opportunity.
- During this Technical Panel, Public Safety will have answered almost 50,000 911 calls – NENA statistics.
- Secure interoperable mobile broadband would assist Public Safety in responding to many of these calls.
- The Public and Public Safety benefit with the increased attention paid to Public Safety interoperable wireless broadband data communications – not just voice.