



FCC INTEROPERABILITY FORUM TECHNICAL FRAMEWORK FOR THE PUBLIC SAFETY NETWORK

**WHERE DO WE GO FROM HERE?
KILLER APPS, INNOVATION,
ARCHITECTURE, BROAD-BASED USE**

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The Nationwide Network



- It's about the Apps
 - Catching a cop-killer with Video
 - Augmented Reality, NG911 , more
 - Other apps we cannot envision
- It's about Capacity
 - Continuing explosion of consumer use
 - Similar expansion coming for Public Sector
 - Requires dedicated bandwidth, innovation



Commercial Efficiencies



- Architecture, Requirements then Rules
- This Rulemaking needs a minimum of Rules!
 - Just those necessary for nationwide interop
 - Rules stifle Innovation!
- Public safety and public sector requirements
 - Minimize the requirements
- Standard interfaces - Agency to Net (XML)
- Backwards Compatibility – 3G



Spectral Efficiencies



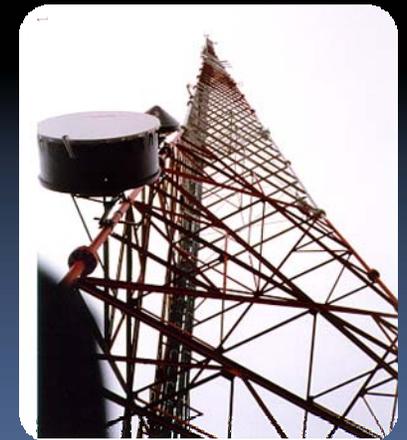
- ❑ **Allocate Enough Spectrum TODAY!**
(don't balkanize as happened with LMR)
- ❑ **Open Source Development**
- ❑ **National Public Sector App Store**
- ❑ **National Public Sector App Competitions**
- ❑ **Cross-discipline apps (Building-Police-Fire)**
- ❑ **Bandwidth sensitive devices (adjustable frame-speed video)**



Continual Evolution



- ❑ **Users: entire Public Sector incl. Public Safety**
 - ❑ All disciplines have a role in public safety
 - ❑ Bring more funding sources to the network
- ❑ **Nationwide architecture, nationwide engineering, local implementation**
- ❑ **Minimize LTE cores, central services**
- ❑ **Clearinghouses**
- ❑ **Regular dialog with Carriers**



Summary



- Nationwide architecture and public safety requirements first, not a plethora of rules
- Public Sector, not just Public Safety
- A new model for deployment: more shared services between agencies, disciplines
- Leading Edge, not Bleeding Edge
(let commercial networks lead)
- Use IT techniques: open source, apps stores

