

Public Safety Radio Spectrum Management

• **FirstNet**

- (758 – 763 & 788 – 793 MHz)
- ~20 States “Opt-In” at this point of the presentation
- Rumors that AT&T will not use Band 14 are not entirely correct. AT&T anticipating to use Band 14 for capacity and coverage. They will deploy everywhere capacity is required, and new rural sites. In the first 5 years, Band 14 will comprise of ~50% of the network. Note that since band 14 is under Part 90, mobiles may use 1.25W, a big deal in rural areas. Rural has always been the “nut” for “Nationwide Broadband”, and is why AT&T and NTIA are refusing FOIA requests.

• **Microwave**

- Backhaul will be a critical part of the overall equation in Expansion/Capacity
- 4G/5G/ITS/IOT/Small Cells/DAS...etc.
- Microwave will be an alternative to offset cost of new installation and or recurring fiber leases... Full Microwave Design & Coordination Services now provided

• **Frequency Coordination / Training**

- **LMR** Frequency timeframe from completed doc to coordination ~3 days
- **Microwave** simple Point to Point process (~4 days, then 45 days for PCN process (if any exceptions, then additional time is incurred to resolve concerns prior to coordination submission)
- **Training** of RF Design / Software (ComStudy/RadioCompass/CHIRplus_TC)

• **Trade Shows / Conferences / Subscriber Base**

- **IWCE** (International Wireless Communications Expo)
- **TEMC** (Texas Emergency Management Conference)
- **APCO** (Association of Public-Safety Communications)
- Synergy to increase AASHTO revenue through growth of Coordination Subscribers and Trade Show/Conference Attendance