

# **CSMAC Working Group 4**

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**1755-1850 MHz**

**Point-to-Point Microwave**

**Tactical Radio Relay (TRR)**

**Joint Tactical Radio System (JTRS)**

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**Status Report**

**For Discussion at the CSMAC Meeting on January 17, 2013**

# Summary

- Point-to-point microwave systems can relocate.
- Further study is necessary to determine the level of sharing with TRR and JTRS that is feasible.
- Access to realistic operational and technical information on Government systems is key to each of the following:
  - Initial interference/sharing studies
  - Information for bidders (pre- and post-auction)
  - Ongoing coordination process for licensees

# Point-to-Point Microwave

- Point-to-point microwave systems can relocate per NTIA March 2012 report.
- Geographic sharing is contemplated using the AWS-1 process (see 47CFR § 27.1134 *Protection of Federal Government operations* and FCC 06-50, April 20, 2006).
  - Transitional sharing where relocation may require up to 5 yrs.
  - Long-term sharing where relocation time frames are 5-10 years.
  - Work may include interference analysis methods/objectives.
  - Consider prioritization of systems for relocation to correspond with commercial deployment priorities, noting that exact order in which agencies will be able to relocate will be based on their operational requirements and may vary from the commercial deployment priority.

# Tactical Radio Relay

- Sharing vs. relocation still under study.
  - Sharing zone studies completed on only a representative few sites (3 out of 86).
  - Currently prioritizing future studies to correspond to potential commercial deployment areas.
  - High density areas for DWTS (Brooklyn, Camp Pendleton) and statewide deployments for HCLOS (e.g., Iowa, Ohio, etc.) may pose major challenges for sharing.
- AWS-1 coordination process under study.
  - We note that for AWS-1, there were 16 protected sites initially - there are now 2.
  - For the present situation, there are 86.

# Joint Tactical Radio System

- DoD is conducting analysis for JTRS.
  - Detailed analysis data will be shared with NTIA/FCC “trusted agent” due to JTRS characteristics not being publicly releasable.
  - Analysis results will be shared within WG4.
- Lack of access to information causes delays.
  - May hamper disclosure of sharing & coordination analysis methods.
  - Hampers developing coordination process.
  - “Trusted agent” concept needs further definition and clarification.
- Relocation status needs further clarification.
  - NTIA report says only, *“There is no applicable cost for SDR [sic] systems.”*

# Schedule

- Completion of TRR and JTRS analysis results TBD.
- Review and recommendations will take at least 3-4 weeks after receipt of results.
- Final report TBD.