



OKLAHOMA COUNTY

**SHERIFF**

*Sheriff John Whetsel*

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**Date: September 30, 2016**

**To: Scott Walsh, Chair, Region 34 700 MHz Regional Planning Committee**

**From: Lieutenant Matt Jackson, Technology Services**

**Reference: Region 34, 700 MHz Spectrum Request CAP003820**

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Dear Mr Walsh:

The Oklahoma County Sheriff's Office requests an approval letter for the use of frequency spectrum for a 700 MHz radio communications system. The approval letter would accompany a form FCC601 application submission to the FCC. Please consider this the Signed Letter of Intent agreeing to implement system as proposed; conditioned on relinquishing any FCC license upon default of system construction.

The Oklahoma County Sheriff's Office has entered into a partnership for the development of a shared trunked radio system. The County is in the process of implementing a 700 MHz communications system that will utilize, once approved, eight (8) 12.5 KHz channel pairs comprised of channel numbers that have been selected from the list of available channels based on CAPRAD assignments, an in-depth review of the usage of channels assigned to other counties, and those that have been licensed by the FCC. After going through a detailed design review process, coverage requirements of the County have been agreed to by the selected vendor, the tower site has been determined, and antenna system configurations finalized. With the system design confirmed, the County can now present to the committee the system design in its finalized configuration. The County is requesting that the Regional Planning Committee work with us to confirm the selected set of frequencies that will best serve this agency in their new radio system. The new system will be used to support radio communications for the public safety and public service agencies in the County.

Currently, the County system supports public safety radio communications for Oklahoma County, Arcadia, Choctaw, Forest Park, Harrah, Jones, Luther, Nicoma Park, and Valley Brook. Once the system is fully deployed, it is expected that it will support cumulatively approximately 2000 radio users. Today, the county operates its own independent system. The system is a UHF, 12-site, 9-channel conventional voted network. This agency desires to develop a new joint radio system with eight (8) P25 Phase I 12.5 KHz channels in the 700 MHz frequency band.

Thank you for your consideration and support towards the Oklahoma County Sheriff's Office. This new infrastructure is greatly needed to help us support the citizens of Oklahoma County and continue the mission of the Oklahoma County Sheriff's Office.

Lieutenant Matt Jackson  
Technology Services

## **Construction Period**

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The timeline for the joint radio system project the following key dates

- August 2016 – Vendor selected and contract signed
- September 2016 – Final design determined
- October 2016 – System construction begins
- November 2016 – System testing on requested new channels
- December 2016 – Final system acceptance

The County will not request an extended implementation period in its FCC Form 601 unless issues are encountered during construction. Every attempt will be made to ensure that the system will be constructed within the normal 12-month time frame.