

Amendments for Cumberland County two way simulcast radio RFP: 1/29/08

1. FCC Frequencies

The County of Cumberland would like to give the manufactures two (2) options on the FCC frequencies needed for this RFP for simulcast two-way radio:

Option A. use frequencies in design with the following frequencies to be supplied and licensed by the county

These frequencies have recently agreed to be purchased by the county and can be used on any site in the County as they are not site specific.

1. TX=152.5775 RX=157.8375
2. TX=152.0825 RX=158.5425
3. TX=152.5325 RX=157.7925

Option B. use frequencies to be found and offered to the County by the manufacturer

The bidding Manufacturer will supply three (3) narrowband VHF repeater frequencies from any source that may be available and provide the cost of these frequencies as a line item in their bid. The County of Cumberland would then be the entity to license and own them upon selection of the successful bidder. The County would look for a guarantee from interference on the selected channels.

2. Amendments to previously answered vendor FAQ's:

Question #1b Change answer to –The County will consider a hybrid microwave system. The county prefers to have OC3 capacity but understands that a microwave hybrid design of lower and higher capacity microwave may be a better and a potentially more cost effective solution.

Question #2 Change answer to-The County will accept a hybrid microwave system. The County has a preference for OC3 capacity.

Question #3 Change answer to- The County would like a simulcast two way radio solution. The County will accept optional proposals from a manufacturer to propose another type of design for a two way radio system. The County is looking for manufacturers to provide alternate design that might be a design the County had not previously considered.

Question #6 Change answer to- The County will be asking for a minimum of 40 new mobiles and will have any additional radio quantity and types at the vendor's day meeting.

Question #18 Change answer to-The County has amended this RFP to allow for manufacturers to provide and license 3 narrowband VHF channels of their own choosing from any available source. The County would look at all reasonable design and licensing concerns for items out of the immediate control of the manufacture in getting the FCC license approved and coordinated at the sites needed. The County would own and license these frequencies. The County would look for a guarantee from interference on the selected channels.

Question #23 Change answer to-The County has amended the RFP to allow the use of a hybrid microwave. If a manufacturer decides to use fractional T radios the design should be redundant, but the County will look at the vendor's proposal for compelling reasons for the design to be different. The County's goal is to allow the manufactures the room to be able to design optional proposals.

3. Change of language in RFP Microwave connectivity on page 7

Page 7 of RFP

Amend the following paragraph: **remove GE MDS LEDR**

The County is also requesting connectivity to the required radio infrastructure tower sites and County dispatch center located in Windham, ME. The sites for two way radio infrastructure may be connected through licensed 960 MHz fractional "T" TDM radios (GE MDS LEDR radio) microwave. As required between the licensed 960MHz radios and the LMR Radio, The County is also looking for the Proposer to use Harris Intraplex multiplex or equivalent products and to specify the type/model and capacity needed for any multiplex equipment to connect to the existing or new microwave systems. All links should be redundant.

It now should read:

The County is also requesting connectivity to the required radio infrastructure tower sites and County dispatch center located in Windham, ME. The sites for two way radio infrastructure may be connected through licensed 960 MHz fractional "T" TDM radios. As required between the licensed 960MHz radios and the LMR Radio, the County is also looking for the Proposer to use Harris Intraplex multiplex or equivalent products and to specify the type/model and capacity needed for any multiplex equipment to connect to the existing or new microwave systems. All links should be redundant.

Page 7 of the RFP

Amend the following paragraph: **remove GE MDS Intrepid**

The County is also requesting to use higher bandwidth licensed carrier class frequency microwave radio (such as GE MDS Intrepid or Alcatel Lucent MDR 8000). Microwave radios should be able to transport Ethernet traffic, including IP VoIP based LMR radio systems, and be able to transport TDM based (2 wire and 4 wire) traffic for legacy LMR systems. All higher bandwidth solutions should have the minimal capacity of four DS-1's or equivalent IP capacity and be capable of expanding to 155Mbs capacity without a total microwave chassis replacement All links should use be designed with redundancy utilizing ring architecture, hot standby or other redundant methods Microwave links should be optimized to provide a minimal amount of constant latency for the simulcast LMR radio system carrying voice traffic. Consideration must also be given to additional Towns needing connectivity to the CCRCC for dispatch needs.

It now should read;

The County is also requesting to use higher bandwidth licensed carrier class frequency microwave radio (such as Alcatel Lucent MDR 8000 or equivalent). Microwave radios should be able to transport Ethernet traffic, including IP VoIP based LMR radio systems, and be able to transport TDM based (2 wire and 4 wire) traffic for legacy LMR systems. All higher bandwidth solutions should have the minimal capacity of four DS-1's or equivalent IP capacity and be capable of expanding to 155Mbs capacity without a total microwave chassis replacement

All links should use be designed with redundancy utilizing ring architecture, hot standby or other redundant methods Microwave links should be optimized to provide a minimal amount of constant latency for the simulcast LMR radio system carrying voice traffic. Consideration must also be given to additional Towns needing connectivity to the CCRCC for dispatch needs.