

Roane County Statewide Interoperable Radio Network Project Specifications

The Roane County Commission and Roane County Sheriff are requesting sealed bids for the following equipment, installation, training and testing with satisfactory results.

Ten (10) Mobile Radios and Ten (10) Portable Radios and Two Bases, one base each for the Sheriff's Office and the Office of Emergency Services. All equipment must be SIRN compatible and on the Approved Equipment list provided by the Statewide Interoperability Coordinator (SWIC). in addition: all speakers, antennae, hardware, software, programming, charger units, batteries, complete installation, testing, training, warranty and any other items needed to properly utilize the radios must be included in Bid.

❖ **Level 1** – Radios in this section shall meet or exceed ALL of the below criteria

- Operational Frequency Range of 400-470 MHz
- Capable of AES Encryption with Multi-Key
- At Least 1000 Channels
- Capable of Mixing Conventional and Trunking in the Same Zone
- Capable of Scanning Conventional and Trunking in the Same List
- Capable of TDMA (Phase 2) Operation; and
 - Include P25-phase 1 compliance
 - 9600 Baud Digital Trunking
 - Include digital multibank channel spacing of 6.25khz, 125.5 khz, and 25khz

Approved Equipment LIST:

❖ **Portables**

- EF Johnson VP600
- Kenwood NX-5300
- Kenwood TK-5330
- Kenwood VP-5330
- Kenwood VP-6330
- Harris XL200P
- Motorola APX-4000 (Range 1 Only) **Firmware 14.05.00 or above**
- Motorola APX-6000 (Range 1 Only) **Firmware 14.05.00 or above**
- Motorola APX-7000 (Range 1 Only) **Firmware 14.05.00 or above**
- Motorola APX-8000

❖ **Mobiles**

- Kenwood NX-5800
- Kenwood TK-5830
- Kenwood VM5830
- Kenwood VM6830
- Motorola APX-4500 (Range 1 Only) **Firmware 14.05.00 or above**
- Motorola APX-6500 (Range 1 Only) **Firmware 14.05.00 or above**
- Motorola APX-7500 (Range 1 Only) **Firmware 14.05.00 or above**
- Motorola APX-8500 (Range 1 Only)

Questions about allowable equipment can be directed to David Neal (SWIC) at 304 380-4723

Sealed Bids must be marked "SIRN Radio Project" and will be received until Friday, March 8, 2019 at 11:00 am when they will be publically opened and read aloud. Send bids to Roane County Commission 200 Main Street, Spencer, WV 25276 or drop them off in person.

Bids must also include: Proof of Liability and Worker's Compensation Insurance, copies of any and all appropriate City and State licenses required to perform the work.

The Roane County Commission and Roane County Sheriff reserve the right to reject any and all bids and to waive any informality therein. All bids must be valid for a period of 90 days from the date of opening.