KANAWHA COUNTY COMMISSION

P. O. BOX 3627
407 VIRGINIA STREET, EAST
CHARLESTON, WEST VIRGINIA 25336
(304) 357-0115

Request for Quotations

Re: Portable and Mobile radios for use on the WVSIRN system

Date: February 1, 2018

Fiscal Year: 2017-2018

Bid Opening: **Bids must be received on or before Thursday, February 22 , 2018, at 11:00 a.m. in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, WV 25301 (P.O. Box 3627, Charleston, WV 25336)**

INSTRUCTIONS TO BIDDERS:

***PLEASE USE THIS FORM AS THE COVER SHEET FOR YOUR BID**

1. **Bids must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. Faxed & electronically transmitted bids will not be accepted.**
2. Bid must be F.O.B. Delivery Point, unless otherwise indicated in proposal.
3. All bids should be signed and in ink, showing all facts and the total amount of the bid
4. The Kanawha County Commission reserves the right to accept or reject in part or in whole any bid submitted, whichever is in the best interest of the County.

Item No.	Description
1	Portable UHF conventional/trunk radio per attached specifications
2	Mobile UHF conventional/trunk radio per attached specifications

Vendor Name: _____ Signature: _____

Address: _____ Telephone: _____

_____ E-Mail: _____

Date: _____

ATTENTION VENDORS
Have you registered for the Kanawha County Commission Automatic Vendor E-Mail Notification System for bid specifications? Register by visiting our website @ www.kanawhacounty.com/purchasing/alerts .

SPECIFICATIONS

COUNTY COMMISSION OF KANAWHA COUNTY
CHARLESTON, WEST VIRGINIA

ITEM: Portable and Mobile UHF Conventional/Trunked Radios capable of operating on the WVSIRN system for agencies in Kanawha County including other municipalities and Volunteer Fire Departments

LOCATION: Kanawha County Commission
409 Virginia Street, East
Charleston, WV 25301

CONTACT:

Questions Regarding Bid Submission:
Jerie Whitehead
Purchasing Director
Kanawha County Commission
407 Virginia St., East
P.O. Box 3627
Charleston, WV 25336
Telephone 304-357-0115
jeriewhitehead@kanawha.us

Questions Regarding Bid Specifications:
Dave Erwin
Kanawha County Commission Office of Emergency Services
200 Peyton Way
Charleston, WV 25309
Telephone (304)382-8262
daveerwin@kanawha.us

BID OPENING: **Bids must be received in a sealed envelope, with the date and time of the bid opening on the outside of the envelope, on or before Thursday, February 22nd, 2018, at 11:00 a.m., in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, West Virginia 25301 (P.O. Box 3627, Charleston, WV 25336).** ***Faxed bids will not be accepted.***

SPECIFICATIONS: The following specifications are intended to describe an WVSIRN Portable and Mobile Radios for the Kanawha County Commission Office of Emergency Services. The details contained in these Specifications are not designed to exclude any vendor from bidding, but are offered as a means of describing the needs of the Kanawha County Commission Office of Emergency Services. Where brand names may be used, the words "or equal" are assumed to follow. All specifications are minimum requirements.

SCOPE, PURPOSE AND CLASSIFICATION

Scope. The following specifications are for Portable and Mobile UHF Conventional/Trunked capable of use on The WVSIRN system and Accessories specifically for the Kanawha County Commission, but may be purchased by other State, County and Local entities throughout the life of the bid.

Purpose. The purpose of this document is to provide minimum specifications parameters for the delivery of Radios that meets the needs and desires of this Agency.

General. This is an engineer, design, construct and deliver type specification and it is not the intention of this Agency to write out vendors or manufacturers of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around specific needs of this Agency. Because of this fact, price will not be the major consideration in making an award. Bid award shall be given to the vendor whose bid comes closest to meeting these specifications at the most competitive price.

Examination of Specification. Each Bidder is required, before submitting his proposal, to be thoroughly familiar with the specifications contained herein. No additional allowances will be made because of a lack of knowledge of these conditions. Where the bidders equipment does not specifically do what the specification calls for, a written explanation Shall be given explaining why the bidder feels it is equal to, or exceeds the bid. All exceptions will be evaluated on their merit at the purchasers' discretion.

Definitions. The following definitions shall apply with regards to these specifications.

Purchaser. The end user of the equipment specified or the applicable purchasing agency.

Contractor. The individual, firm, partnership, manufacturer or corporation to whom the contract is awarded by the Purchaser and who is subject to the terms thereof. For bidding purposes the contractor, vendor and Bidder are synonymous.

Equal. Shall be taken in its general sense and shall not mean identical. These specifications are for the sole purpose of establishing minimum requirements of level of quality, standards of performance and design and is in no way intended to prohibit the bidding of any manufacturer's item of equal material.

Note: The purchaser shall be the sole judge of equality and this decision shall be final.

SPECIAL CONDITIONS

If requested by the Purchaser, the Bidder shall supply upon request a list of ten (10) agencies that have purchased similar or identical equipment within the past year. This list will have contact names and phone numbers..

Prices and Payments. All bid prices shall be F.O.B. destination and accepted basis, at the Purchaser's specified location. These prices shall be complete and include warranty.

Payment shall be made in accordance Kanawha County Purchasing procedures. Payment will be made upon acceptance of the equipment specified under these specifications.

Bid prices shall be valid for at least 365 days from the date of the Bid Opening. Full payment will be made as each unit is received (per Kanawha County Purchasing policies), inspected and found to comply with procurement specifications, free of damage and properly invoiced. All invoices shall bear the purchase order number.

Bid Evaluation. Bids received shall be evaluated by the Purchaser. This evaluation will be based as a minimum on the following criteria:

Completeness of the proposal; i.e., the degree to which it responds to all requirements and requests for information contained herein. If the bidder does not meet the specification exactly, a "no" response should be given. Exceptions will be judged by the purchaser. If this procedure is not followed the bid will be rejected as non-compliant.

Bid Proposals taking total exception to these specifications will not be accepted.

NOTE: In performing the evaluation, only information contained within the Bidder's written proposal will be considered.

Contract Award. The Purchaser reserves the right to increase the amount of equipment specified under this contract. If awarded, the Bidder agrees that additional public governmental agencies may purchase under the same terms and prices afforded by any contract arising from the bid award.

The Purchaser has the right to waive any informalities, irregularities and technicalities in procedure.

The purchaser shall be the final authority in the award of this bid.

Warranty. The successful manufacturer shall provide a Minimum 12-month warranty which covers defective parts and/or components, the improper choice of materials, parts and/or components, improper design or engineering and poor or improper workmanship or quality control techniques. This warranty shall cover all the equipment installed shall include any and all costs for labor and parts or materials that are required to correct any and all deficiencies.

Within one (1) business day after the receipt of a verbal or written notification that warranty and/or service contract work is required, the successful Bidder shall respond verbally, and immediately follow up by letter to the Purchaser with a statement of intent to show where and when the warranty service shall be accomplished.

Bidders shall state below the location of the manufacturer's nearest service facility and parts depot to the Purchaser's location.

Address: _____

_____

_____

Phone: ( ) _____

Additional warranty or logistical services that the bidder might provide above and beyond the requirements of these specifications may be listed below.

Warranties shall begin at the acceptance of the equipment by the Purchaser.
Materials and Workmanship. All equipment furnished shall be guaranteed to be new and of current manufacture, meet all requirements of this specification, and be in an operable condition at the time of delivery.

All parts shall be of high quality workmanship, shall be in production at the time of bid, and no part or attachment shall be substituted or applied contrary to the manufacturer's recommendations and standard practices.

All workmanship shall be of quality and performed in a professional manner so as to insure a safe and functional apparatus with an aesthetic appearance.

Technical Information/Exceptions. Bidders must furnish all information requested in the space provided in this specification. A copy of the purchasers specifications shall be returned with all sections responded to specifically where there is deviation from these specifications. Any area where these specifications are not met exactly will be marked with a "no" response. Bid Proposals not meeting this requirement will be rejected.

Bidders shall provide all necessary information requested by these specifications. Spaces shall be marked to indicate whether or not the Bidder complies with that paragraph. Any exceptions taken shall be listed and clarified on a separate form.

NOTE: **Bid Proposals failing to meet this requirement will not be considered.**

Delivery. Since delivery proposals by the Bidders will weigh in the determination of award of bid, the delivery schedules that are submitted by the Bidders and agreed upon by the Purchaser shall automatically become binding upon the successful Bidder.

Failure to deliver any part of the order to the terms above may be considered by the Purchaser as a breach of contract, in which case the equipment may be rejected.

Indemnification and Insurance. The contractor shall indemnify and save the Purchaser harmless from any and all claims, liability, losses, and causes of actions which may arise out of the fulfillment of this agreement. The Bidder shall pay all claims and losses of any nature whatsoever in connection therewith, and shall defend all suits, in the name of the Purchaser when applicable, and shall pay all costs and judgments which may ensue thereafter.

Patents and Royalties. The Bidder, without exception, shall indemnify and save harmless the Purchaser and its employees from liability of any kind including cost and expenses for or on account of any copyrighted, patented or unpatented invention, process or article of manufacture or used in the performance of the contract, including its use by the Purchaser. If the Bidder uses any design, device or materials covered by letters, patent or copyright, it is mutually agreed, and understood without exception that the bid prices shall include all royalties or cost arising from the use of such design, device or materials in any way involved in the work.

Proposal in Reply to Specifications. Any exceptions to these specifications must be itemized. Each exception will be considered by the Purchaser as to the degree of impact and total effect on their bid. If specification sheets are referenced, they shall be included as part of the Bid Proposal.

NOTE: Bidders are reminded that these specifications call for equipment that meet the specific needs of this Agency. Price alone is not the primary factor in a bid award. With that in mind, Bidders are encouraged not to take exceptions to this specification but to engineer their product to meet the requirements of this Agency.

When submitting their Bid Proposal, Bidders must return all pages of these specifications as part of the Bid Proposal as it will form the contract between the Contractor and the Purchaser. Caution should be taken by the Bidder that all questions are answered in the spaces provided and all information requested is submitted.

Familiarity with Laws. The Bidder is presumed to be familiar with all Federal, State and Local laws, ordinance, code rules, and regulations that may in any way effect the work. Ignorance on the part of the Bidder shall in no way relieve him from responsibility.

Pre-Award Clarifications. In the event a clarification is requested on the contents of this specification, the question shall be addressed to:

David Erwin
200 Peyton Way
(304)382-8262
daveerwin@kanawha.us

Clarifications or corrections to these specifications shall NOT be valid unless they are in written form and signed by the Administrator of this Agency or their assigned authority when a bidder requests a clarification, a copy of the request and this Agency's reply will
be forwarded to all Bidders.

Anti-Collusion Statement. By signing this bid, the Bidder agrees that his bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and that his bid is in all respects is fair and without collusion or fraud.

UHF DIGITAL PORTABLE RADIO SPECIFICATIONS

ITEM #1- UHF PORTABLE Conventional – P-25 Digital Trunked Radio including P-25 CAI)

Portable UHF radio shall be on TIER 1 of the WV SIRN Approved Equipment list as per the link below.

http://sirn.wv.gov/information/downloads/Documents/SIRN%20Approved%20Equipment%20List.pdf

Radio shall have capability for Motorola Quick call II 2 tone paging on conventional and TDMA trunking talk group and be in NEW Condition of current production by the manufacturer (not end of life equipment)

A Rapid charge, rechargeable battery shall be provided, charging to full capacity in four (4) hours or less. The battery shall provide a minimum of eight (8) hours of operation when utilizing a duty cycle of 5% transmit, 5% receive, and 90% standby per TIA/EIA Specification 903. .

A desktop charger shall be provided to allow rapid charging from a 120V power source. This charger shall be equipped with indication of 1) charging and 2) charger completion. This charger shall be capable of a fast and trickle charge to return the battery to a fully charged condition in four (4) hours or less.

GENERAL SPECIFICATIONS AND WARRANTY relating to Item #1

A working example of the equipment to be provided will be available for evaluation prior to award. Operating manuals will be provided on each component delivered for evaluation. The documentation supplied by the accepted vendor will not be returned, and shall not be construed as being part of the manuals required in other parts of this specification. The working sample will include explicit instructions and diagrams to facilitate connection of all components as intended by the vendor. If the vendor desires, it is acceptable for a representative to assemble the package in working order. Any failure of the example to not contain all items specified and to not perform as required will be grounds for disqualification of the bid.

All equipment shall be warranted for a period of one (1) year, including parts and labor, and beginning when the equipment is first placed in service. All features that are placed in the radio by way of programming or feature encoding will remain for the life of the radio. Any lost feature information (i.e. # of channels, type of radio, etc.) will be replaced (provided) at no charge for the life of the radio. The successful vendor shall provide pre-paid shipping labels to cover all shipping charges for any item needing to be returned for repair work during the warranty period.

All items are to be available for purchase separately and each item is to be individually priced.

Radios must be compatible with AES Multi-Key encryption. This encryption method will be an option available both at the time of purchase and as a later upgrade. An AES encryption key loader (KVL or Software) will also be listed as an option and shall include all applicable cables. Any necessary hardware to allow AES encryption to be on the radio at time of purchase or at a future time with minimal expertise by the purchaser or local dealer. The only option shown shall be the software and Hardware required to enable the AES encryption regardless if encryption is purchased initially with the radio or at a later date.

COMPATIBILITY

Any modifications necessary to make this equipment operate properly with other provided equipment are to be the responsibility of the vendor. All programming, key installs and jumper settings must be performed prior to delivery for operation with any other equipment in this specification. All equipment shall function without unintended interaction and interference to other components.

Options for Item #1

- **A)** AES Encryption w/multi-key
- **B)** AES Encryption Key Loader (KVL or Software)
- **C)** Encryption Key Loader cable compatible with Option B.
- **D)** Increase channel capacity (if available)
- **E)** A swivel mounting plate for the radio and the compatible black leather swivel belt loop.
- **F)** A remote microphone and shall have a spring clip to allow it to be clipped to clothing. The microphone shall be capable of extending a minimum of twenty-four (24) inches.
- **G)** 12 volt vehicle charger with mount
- **H)** Multiple radio (bank) charger
- **I)** Additional desktop chargers
- **J)** Additional battery
- **K)** Intrinsically Safe upgrade for radio and Batteries

ITEM #2 – PROGRAMMING SOFTWARE

All radio programming must be able to be performed on a Microsoft Windows 10 or newer based computer. The vendor shall make available for purchase all programming software and cabling necessary to program all radios purchased with free software and firmware upgrades throughout life of contract. Programming software must be able to installed onto multiple computers without any additional cost.

ITEM #3 – ADDITIONAL BATTERY

An additional battery will be available for purchaser in addition to any batteries provided with the radio as part of the purchase. This battery will be of the same capacity as that

provided with the radio. This battery shall be compatible with radios specified in Items #1

EVALUATION FOR BID AWARD

Evaluation will include the review of all items listed in these specifications and will be given consideration first based upon the product meeting the specifications established herein for each item. The vendor with the lowest Total Cost based upon the total price of all items in this RFQ and meeting the intent of the specifications will be the apparent successful bidder.

All pricing must be line itemed as indicated on the attached Price Quotation form. Should vendors wish to provide additional items in their bid they shall provide the pricing from those items on a separate price sheet. Special/Promotional pricing offered by vendors for limited periods of time shall not be considered for bid award or comparison, as the price indicated on the Price Quotation form shall be the price considered for bid award and shall be the price established in the awarded contract.

NOTE: Vendors must include make, model, and manufacturer product sheet which shows specification information on Items bid.

UHF PORTABLE DIGITAL RADIO PRICE QUOTATION

Item #1UHF Portable – P-25 Trunked/Conventional (P-25 CAI included) $_____

Make: _____ Model: _____

Options for Items #1

A) AES Encryption with multi-Key $_____

B) AES Encryption key Loader (KVL or software) $_____

C) Encryption Key Loader Cables Only $_____

D) Increase channel capacity $_____

E) swivel belt clip mount $_____

F) Remote speaker Mike $_____

G) 12 volt Vehicle Charger and mount $_____

H) Multiple (bank) charger $_____

I) Additional desktop Charger $_____

J) Additional Battery $_____

K) Intrinsically safe option upgrade $_____

L) Option A after purchase $_____

Item #2 Programming Software and Cables

2.1 – Programming software $_____

2.2 – Programming cable $_____

2.3 – Programming interface (if required) $_____

Delivery: _____ days from date of firm order.

We certify that we practice equal employment opportunities.

Authorized Bidder's Signature	Title
Printed / Typed Name	Date
Company Name	
Address	
Telephone Number	Fax Number

ENCLOSURES:

1. Warranty Information
2. Manufacturer's Brochures
3. List of Stockholders

UHF DIGITAL MOBILE RADIO SPECIFICATIONS

ITEM #2 – UHF Digital Mobile – P-25 Trunking Ready (includes P-25 CAI)

A mobile under dash type radio (one piece) UHF radio Shall be on TIER 1 of the WV SIRN Approved Equipment list as per the link below.

http://sirn.wv.gov/information/downloads/Documents/SIRN%20Approved%20Equipment%20List.pdf

Each channel shall be individually programmable with regard to digital/analog operation. There shall be no limitations in the radio with regard to what channels may be programmed into the radio. All currently licensable frequencies shall be considered acceptable to the unit. Channel indication shall be by way of an alphanumeric display containing a minimum of 8 digits. Radio shall have ID display capability. If the front panel is sloped, the amount of slope shall not be greater than 20 degrees. Radio shall have programmable encode and decode capability for both CTCSS tones and digital coded squelch with a minimum of one pair of tones, not necessarily the same, for each programmed channel. It shall transmit with a minimum of 40 watts RF. Receiver audio stage shall be capable of a minimum of 5 watts of audio from the internal speaker. The speaker shall be driven by this audio amplifier and must be capable of dissipating the entire audio capability. An external speaker shall be an option with the unit. When the external speaker is in use, any internal speaker shall be capable of being disabled. If the internal speaker is mounted on the radio front panel, then the external speaker may be deleted, but must still be capable of using same. A standard microphone shall be provided.

Radio shall include software for P-25 CAI and P-25 Trunked operation. This shall include any other software necessary to enable seamless roaming operation on the WVIRP radio system .

GENERAL SPECIFICATIONS AND WARRANTY relating to Items #1

A working example of the equipment to be provided will be available for evaluation prior to award. Operating and repair manuals will be provided on each component delivered for evaluation. The documentation supplied by the accepted vendor will not be returned, and shall not be construed as being part of the manuals required in other parts of this specification. The working sample will include explicit instructions and diagrams to facilitate connection of all components as intended by the vendor. If the vendor desires, it is acceptable for a representative to assemble the package in working order. Any failure of the example to not contain all items specified and to not perform as required will be grounds for disqualification of the bid.

All equipment shall be warranted for a minimum period of one (1) year, including parts and labor, and beginning when the equipment is first placed in service. All features that are placed in the radio by way of programming or feature encoding will remain for the life of the radio. Any lost feature information (i.e. # of channels, type of radio, etc.) will

be replaced (provided) at no charge for the life of the radio. The successful vendor shall provide pre-paid shipping labels to cover all shipping charges for any item needing to be returned for repair work during the warranty period.

All items are to be available for purchase separately and each item is to be individually priced. Each item bid is to include make and model on Price Quotation sheet provided, and shall include literature sufficient for analysis of product being proposed.

Radios must be compatible with AES encryption. This encryption method will be an option available both at the time of purchase and as a later upgrade without returning the radio to the manufacturer. An AES encryption key loader will also be listed as an option and shall include all applicable cables. Radios must be Encryption upgradable in the field.

COMPATIBILITY

Any modifications necessary to make this equipment operate properly with other provided equipment are to be the responsibility of the vendor. All programming, software keys and jumper settings must be performed prior to delivery for operation with any other equipment or function in this specification. All equipment shall function without unintended interaction and interference to other components.

Equipment Options

Options for Items #2

A) Desktop Microphone to substitute for mobile microphone
B) Desktop Power Supply to convert mobile radio into table top base type radio
C) AES Encryption with Multi-Key
D) AES Encryption Key Loader (KVL or Software)
E) Encryption key loader cable
F) Option C after purchase
G) Remote Control Head and associated hardware
H) Dual Head Remote Control and associated hardware
I) Hand-Held Remote Control Head and associated hardware
J) Increase channel capacity

Item #2 – PROGRAMMING SOFTWARE

All radio programming must be able to be performed on a Microsoft Windows 10 or newer based computer. The vendor shall make available for purchase all programming software and cabling necessary to program all radios.

Evaluation for Bid Award

Evaluation will include the review of all items listed in these specifications and will be given consideration first based upon the product meeting the specifications established herein for each item*. The vendor with the lowest Total Cost based upon the total price of all items listed in this RFP and meeting the intent of the specifications will be the apparent successful bidder.

All pricing must be line itemed as indicated on the attached Price Quotation form. Should vendors wish to provide additional items in their bid they shall provide the pricing from those items on a separate price sheet. Special/Promotional pricing offered by vendors for limited periods of time and any item pricing provided for items not requested in this RFP shall not be considered for bid award price comparison.

> *NOTE: Vendors must include make, model, and manufacturer product sheet which shows the product's specification information.

This bid shall be open to all agencies in WV, State, County, municipal, tribal and Local governments to purchase from during the life of the bid without any dispensations due to Kanawha County.

UHF DIGITAL/CONVENTIONAL MOBILE RADIO

PRICE QUOTATION

Item #2 UHF Digital Mobile $_____

Make: _____ Model: _____

Options for Items #2

A) Desktop Microphone (substitute for mobile) $_____

B) Desktop Power Supply $_____

C) AES Encryption With Multi-Key $_____

D) AES Encryption Key Loader $_____

E) Encryption Key Loader Cable $_____

F) Upgrade to option C after purchase $_____

G) Remote control radio head $_____

H) Dual head remote control heads $_____

I) Increase Channel capacity $_____

Item #2 Programming Software and Cables

2.1 Programming Software $_____

2.2 Programming Cable $_____

2.3 Programming Interface (if required) $_____

Delivery: _____ days from date of firm order.

We certify that we practice equal employment opportunities.

_____ _____
Authorized Bidder's Signature Title

_____ _____
Printed / Typed Name Date

_____
Company Name

_____
Address

_____ _____
Telephone Number Fax Number

ENCLOSURES:

4. Warranty Information
5. Manufacturer's Brochures
6. List of Stockholders