

Date: October 8, 2008
Smyth County, VA

REQUEST FOR BID

For

Two Way Mobile & Portable VHF Radio Communications Equipment

Buyer: SMYTH COUNTY
Fax No. (276) 783-9314
Attention: Shannon Williams, 911 Coordinator

Items Being Purchased

VHF Dual Head 100W Mobile Radios
VHF Dual Head 50W Mobile Radios
VHF Portable Radios
VHF Pagers

*****BIDS MUST BE RECEIVED*****

NO LATER THAN

2:00 PM Local Time on October 21, 2008

Smyth County reserves the right to reject any and/or all bids, waive any irregularities in the bids received, and to accept other than the low bid, which in its opinion may be for the best interest of the County.

PLEASE PROVIDE US WITH THE FOLLOWING:

Name of Company Bidding: _____

Contact Person: _____

Phone Number: _____

E-Mail Address: _____

FIN Number: _____

INSTRUCTIONS TO BIDDERS

Smyth County encourages the participation of small, minority and women-owned businesses, and encourages prospective Contractors to establish strategic industry relationships with such firms to facilitate the goods or services required by this solicitation.

1. In order to be considered for selection, Bidders must submit a complete response to this RFB. All sealed bids shall be clearly marked on the outside cover or package with the name of Bidder, Bidder Address, and bid name (Two Way VHF Radio Communications Equipment). Bids must be received by the due date and time, at the address listed on the cover sheet, in order to be considered. Any Bids received in this office after this time will be rejected.
2. Bidders must include with their bids an electronic copy of the “Two Way VHF Radio Communications Equipment” Excel spreadsheet, which can be found at the web site where the solicitation is posted (www.smythcounty.org). *Failure to submit a completed Specs Form spreadsheet in the provided format, populated for each lot bid, may render your bid non-responsive and eliminate it from consideration.*
3. Please submit your original Bid plus two (2) complete copies, including the Specs Form spreadsheet (CD-ROM preferred) and any supporting documentation requested.
4. Bids shall be signed by an authorized representative of the bidding company. Failure to submit all information required may result in rejection by Smyth County. Smyth County reserves the right to request any information it deems necessary for evaluation.
5. It is the Bidder’s responsibility to inquire about and clarify any requirement of this RFB that is not clearly understood. All questions must be in writing by e-mail with subject line “Questions on “Two Way VHF Radio Communications Equipment” and must be received no later than 4:00 p.m. Eastern time on **11/16/2008**. No questions or inquiries will be accepted after this time. All questions must be addressed to:
Shannon Williams
Email: smyth911@smythcounty.org
6. Bidder’s attention is directed to the cover page, in reference to the providing of company information, including their Federal Identification Number (FIN).
7. Results of this RFB will not be given out by telephone. Any resulting Notice of Award will be made available on the County web site www.smythcounty.org.

8. Award(s), if made, will be made per lot to the responsive and responsible Bidder or Bidders with the lowest total cost for all required items in each individual lot on the associated Specification and Bid Sheets. ***Smyth County reserves the right to reject any and all bids in whole or in part and to waive any informality in the bids, and accept other than the low bid.***

9. All pricing shall include shipping FOB Destination to any point within Smyth County, and shall include delivery of all manuals and other incidentals necessary for proper operation.

ADDITIONAL BIDDER INSTRUCTIONS

1. In order to be considered for contract award, Bidders shall bid on one or more Lots, and must submit current product literature for each product offered.

2. Bidders must fill in all required blanks on the “SPECIFICATION AND BID SHEET” for each Lot for which Bidders are submitting Bids. All blanks, except those classified as “Optional Features,” are required to be populated, including “Required Additional Features.” If you are offering an item at no charge, enter a NC or No Charge.

3. Bidders shall clearly and specifically identify the product(s) being offered for each Lot and enclose with the bid the complete and detailed descriptive literature, catalog cuts and specifications in hard copy (two [2] copies) and electronic format to enable Smyth County to determine if the product(s) offered meet(s) the specifications and requirements of this solicitation. **FAILURE TO DO SO MAY CAUSE THE BID TO BE CONSIDERED NON-RESPONSIVE.**

4. Smyth County reserves the right to request any bidder to submit information missing from its bid, to clarify the bid and to submit any additional information which the County deems necessary in order to evaluate the bidder’s offer.

5. Bidder and service facilities shall grant permission for a representative of the County to inspect their facilities at any time during normal business hours both prior to and after award.

6. Any bid in response to this solicitation shall be valid for 90 days. At the end of the 90 days the bid may be withdrawn at the written request of the Bidder. If the bid is not withdrawn at that time it remains in effect until an award is made or the solicitation is canceled. Smyth County reserves the right to conduct any test it may deem advisable and to make all evaluations necessary. Smyth County also reserves the right to reject any or all bids, in whole or in part, to waive informalities, accept other than the low bidder and to delete items prior to making an

award or awards, whenever it is deemed in the sole opinion of Smyth County to be in its best interest.

PURPOSE

Smyth County desires to purchase Two Way Radio Equipment from one or more manufacturers to provide, radio and telecommunications equipment, accessories, batteries and antennas (but not parts, kits or test equipment) for Smyth County and all public safety agencies located in Smyth County

GENERAL REQUIREMENTS

1. SPECIFICATIONS

1.1. Equipment, antennas and accessories: This RFB includes High Band, as described in the "SPECIFICATION AND BID SHEETS".

1.2. Bids will be considered from Radio Manufacturers for Bendix/King, E.F. Johnson, Kenwood, M/A-COM, Motorola, RELM, Tait, Vertex, or equals. Smyth County, in its sole discretion, shall determine whether a brand bid is the equal of that specified.

1.3. Purchases from this RFB will be for initial start up and complete replacement of existing equipment, and any additions to or replacements of same.

1.4. All products furnished shall be new, unused and in current production.

1.5. Contractor shall provide with each piece of equipment a user/operator manual in hard copy format at no charge.

1.6. Contractor shall furnish Smyth County with a maintenance manual with wiring diagrams and parts and accessories list upon request at no charge for any piece of equipment ordered. For any item Smyth County purchases ten (10) or more, Contractor shall provide a maintenance manual with wiring diagrams and parts and accessories list at no charge upon delivery of the order. CDROM format is preferred.

1.8. Contractor shall provide to Smyth County all service bulletins received from the manufacture(s) for at least five (5) years form date of purchase

1.9. Contractor shall provide to Smyth County one (1) copy or set of all programming software, cables, required interfaces, and all accessories required for radio programming, at no charge. Contractor shall continue to provide to Smyth County all programming software, hardware and firmware updates for a period of five (5) years. Contractor will not be held accountable for programming equipment misuse or repair, except as provided for in the applicable warranty.

1.11. Contractor shall make available new replacement parts for repair of all equipment purchased. All parts for the equipment furnished must be available for a period of at least

five (5) years from the date of purchase. All parts used in the repair of radio equipment furnished under this RFP must be the exact replacement part specified and supplied by the manufacturer. Any exception necessary because of part unavailability or other unusual situation must have prior approval of Smyth County. It is preferred that new or approved replacement parts are available for all equipment for at least five (5) years from the date of purchase

1.12. Delivery of all requested items shall be made within 60 calendar days after receipt of a valid purchase order.

1.13. All equipment purchased shall be installed by the Contractor at any given location listed below for the installation price not later than 60 days after requested, as mutually agreed upon by Contractor and Smyth County. Contractor shall provide product demonstrations, when requested, at no additional charge.

<u>Location:</u>	<u>Address:</u>
Adwolfe Fire Dept	104 Thomas Bridge Rd; Marion, Va 24354
Atkins Fire Dept	5758 Lee Hwy; Atkins, Va 24311
Chilhowie FD/EMS	315 East Lee Hwy; Chilhowie, Va 24319
Nebo Fire Dept	2408 Old Wilderness Rd; Saltville, Va 24370
Marion Fire Dept	231 W. Main St; Marion, Va 24354
Marion Rescue	230 S. Park St; Marion, Va 24354
Saltville Fire Dept	312 Palmer Ave; Saltville, Va 24370
Saltville Rescue	126 Battleground Ave; Saltville, Va 24370
Sugar Grove Fire Dept	164 Flat Ridge Rd; Sugar Grove, Va 24375
Sugar Grove Rescue	178 Flat Ridge Rd; Sugar Grove, Va 24375

1.14. At a minimum the Contractor shall provide a warranty/maintenance on all products for a period of one (1) year or the manufacturer's warranty length, whichever is greater. Warranty shall begin on date of acceptance by Smyth County. The Contractor shall repair or replace all equipment returned for repair within seven (7) days of receipt. For on-site warranty, the Contractor guarantees that the user will not be out of service for more than 24 hours. The vendor may replace, repair or loan the end-user similar equipment to meet this requirement.

1.15. The Contractor shall provide necessary preventive maintenance, required testing and inspection, calibration and/or other work necessary to maintain the equipment in operational condition during the warranty period.

1.16. The bid price shall be for complete installation ready for Smyth County, and shall include all applicable freight and installation charges. Extra charges will NOT be allowed unless otherwise noted in the associated "Specification and Bid Sheet."

2. TEST SAMPLES

2.1. Upon request from Smyth County, Bidder shall submit test samples for any lot bid within ten(10) calendar days. FAILURE ON THE PART OF THE BIDDER TO

PROVIDE SUCH SAMPLES WITHIN THE SPECIFIED TIME FRAME MAY BE CAUSE FOR SMYTH COUNTY TO CONSIDER THE BID AS NON-RESPONSIVE.

2.2. Bid samples shall be an exact and true representative sample of the actual material offered. Each bid sample shall be properly tagged or labeled with the name of the Bidder/manufacturer, the bid opening date, the Lot number for which it is submitted and the specific item number, if identified in the Lot. Bid samples shall be provided at no cost to Smyth County. FAILURE ON THE PART OF THE BIDDER TO COMPLY WITH THESE INSTRUCTIONS MAY BE CAUSE TO CONSIDER THE BID AS NON-RESPONSIVE.

2.3. Smyth County will return any bid samples submitted no more than 30 days after an awarded has been made for the corresponding lot(s).

3. LOCATIONS

3.1. Name of Manufacturer and Shipping Point: Each Bidder shall supply in the space below the name and address of the manufacturer of each item offered and the shipping point. If you need more space, you may include the information in an attachment and reference its exact location here:

Lot/Item Number(s): _____
Manufacturer: _____
Address: _____
Shipping point: _____

3.3. Service providers must provide warranty backup and daily routine maintenance. Service providers must be capable of "system" maintenance as well as hardware maintenance.

3.4. Service providers must be backed by the manufacturer with a complete line of OEM parts.

LOT 1
MOBILE RADIOS - HIGH BAND – DUAL HEAD - WIDE SPACED - MOUNT
SPECIFICATION AND BID SHEET

Item 1 Radio, two-way VHF (150-174MHz) mobile mount, minimum transmitter output power **100 watts** at the antenna jack. Band-split of radio shall be at least 24 MHz wide. Radio shall be able to communicate in conventional analog mode. Unit must be 100 % compatible with convention analog mode communications, excluding secure encrypted mode communications.

Unit should have at a minimum 100 channels capable of supporting no less than four groups (modes) with 25 channels in each. These modes shall consist of any high band frequency and any combinations of TPL/DPL tones. Unit to be capable of Transmitting and Receiving all FCC Part 90.20 and Part 90.35—15 KHz and 7.5 KHz frequency assignments within 150-174 MHz inclusive. Unit shall be capable of both Wide Band operations (similar to 20K0F3E or 16K0F3E emissions on a 15 KHz Channel) and Narrowband operations (Emissions similar to 11K0F3E on a 7.5 KHz or 15 KHz Channel). Units shall be capable of transmitting and receiving on all NTIA (National Telecommunications and Information Administration) interoperability channels assigned to public safety. Minimum spread between frequencies without degradation shall be 24.0 megahertz transmit and 24.0 megahertz receive. Frequency stability on transmit and receive shall be +0.00025% Normal operations of radio equipment and factory specifications shall be consistent over the temperature range of (-30 to +60 C). Purchase order to specify radio and TPL/DPL frequencies. Unit shall be capable of having the channel configuration programmed or reprogrammed as to radio and TPL/DPL tone frequency, in the field using an external programming device available from the successful bidder. There shall be no capability of such programming available to the operator or other unauthorized parties, either by external controls or other means. Radio shall be equipped with a device which disables the transmitter after a period of between 60 to 90 seconds and provides the operator with audible indication that disabling has occurred. Receiver shall have a minimum audio output of 10 watts at 5% distortion or less. Unit shall be equipped with a modulator that will allow the transmission of data. Unit to have control and power cables that are at least 17 feet (5.2 Meters) in length. Unit shall have built into the circuitry some method of holding the programmed memory when the unit is disconnected from the vehicle battery.

Unit

Must meet or exceed the MIL-STD-810E standard as described below:

MIL-STD-810E

Description	Method	Procedures
High Temperature	501.3	I and II
Low Temperature	502.3	I or II
Temperature	503.3	I

Solar Radiation	505.3	I or II
Rain	506.3	I
Humidity	507.3	II
Salt Fog	509.3	I
Dust	510.3	I
Vibration	514.4	I Category 10
Shock	516.4	I

State Manufacturer: _____

Model _____ \$ _____/each

\$ _____/Qty 2-50

Required Additional Features:

Item 2 Scan, multi-channel (1) priority shall follow the channel selection, (2) a separate switch shall be provided to disable this scan function entirely and (3) channels to be scanned shall be individually selected by the operator.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Item 3 Antenna, 3dB gain antenna, similar to an ASP-800 or approved equal.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Item 4 Installation, removal and checkout per FCC requirements, in standard trunk mounting.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Award based on Items 1-4

OPTIONAL FEATURES:

Item 5 Microphone, mobile type, noise canceling. This is a substitution item. It will replace the existing microphone.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 6. Antenna, 1/4-wave whip. ASP-1497 or approved equal.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 7 Microphone, Hang Up Bracket, to be used with the above mobile, this bracket will disable continuous tone control squelch (TPL/DPL) so the operator can monitor the frequency to be used.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 8 Post-warranty Maintenance for one year parts and labor at:

1. Locality/Agency \$ _____/yr.
2. Service Shop \$ _____/yr.

LOT 2
MOBILE RADIOS - HIGH BAND – DUAL HEAD - WIDE SPACED - MOUNT
SPECIFICATION AND BID SHEET

Item 1 Radio, two-way VHF (150-174MHz) mobile trunk mount, minimum transmitter output power **50 watts** at the antenna jack. Band-split of radio shall be at least 24 MHz wide. Radio shall be able to communicate in conventional analog mode. Unit must be 100 % compatible with convention analog mode communications, excluding secure encrypted mode communications.

Unit should have at a minimum 100 channels capable of supporting no less than four groups (modes) with 25 channels in each. These modes shall consist of any high band frequency and any combinations of TPL/DPL tones. Unit to be capable of Transmitting and Receiving all FCC Part 90.20 and Part 90.35—15 KHz and 7.5 KHz frequency assignments within 150-174 MHz inclusive. Unit shall be capable of both Wide Band operations (similar to 20K0F3E or 16K0F3E emissions on a 15 KHz Channel) and Narrowband operations (Emissions similar to 11K0F3E on a 7.5 KHz or 15 KHz Channel). Units shall be capable of transmitting and receiving on all NTIA (National Telecommunications and Information Administration) interoperability channels assigned to public safety. Minimum spread between frequencies without degradation shall be 24.0 megahertz transmit and 24.0 megahertz receive. Frequency stability on transmit and receive shall be +0.00025% Normal operations of radio equipment and factory specifications shall be consistent over the temperature range of (-30 to +60 C). Purchase order to specify radio and TPL/DPL frequencies. Unit shall be capable of having the channel configuration programmed or reprogrammed as to radio and TPL/DPL tone frequency, in the field using an external programming device available from the successful bidder. There shall be no capability of such programming available to the operator or other unauthorized parties, either by external controls or other means. Radio shall be equipped with a device which disables the transmitter after a period of between 60 to 90 seconds and provides the operator with audible indication that disabling has occurred. Receiver shall have a minimum audio output of 10 watts at 5% distortion or less. Unit shall be equipped with a modulator that will allow the transmission of data. Unit to have control and power cables that are at least 17 feet (5.2 Meters) in length. Unit shall have built into the circuitry some method of holding the programmed memory when the unit is disconnected from the vehicle battery.

Unit

Must meet or exceed the MIL-STD-810E standard as described below:

MIL-STD-810E

Description	Method	Procedures
High Temperature	501.3	I and II
Low Temperature	502.3	I or II
Temperature	503.3	I

Solar Radiation	505.3	I or II
Rain	506.3	I
Humidity	507.3	II
Salt Fog	509.3	I
Dust	510.3	I
Vibration	514.4	I Category 10
Shock	516.4	I

State Manufacturer: _____

Model _____ \$ _____/each

\$ _____/Qty 2-50

Required Additional Features:

Item 2 Scan, multi-channel (1) priority shall follow the channel selection, (2) a separate switch shall be provided to disable this scan function entirely and (3) channels to be scanned shall be individually selected by the operator.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Item 3 Antenna, 3dB gain antenna, similar to an ASP-800 or approved equal.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Item 4 Installation, removal and checkout per FCC requirements, in standard trunk mounting.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Award based on Items 1-4

OPTIONAL FEATURES:

Item 5 Microphone, mobile type, noise canceling. This is a substitution item. It will replace the existing microphone.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 6. Antenna, 1/4-wave whip. ASP-1497 or approved equal.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 7 Microphone, Hang Up Bracket, to be used with the above mobile, this bracket will disable continuous tone control squelch (TPL/DPL) so the operator can monitor the frequency to be used.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 8 Post-warranty Maintenance for one year parts and labor at:

1. Locality/Agency \$ _____/yr.
2. Service Shop \$ _____/yr.

LOT 3

MOBILE RADIOS - HIGH BAND - WIDE SPACED - FRONT MOUNT SPECIFICATION AND BID SHEET

Item 1 Radio, two-way VHF (150-174MHz) mobile front mount, minimum transmitter output power 40 watts. Radio shall be able to communicate in conventional analog mode. Unit shall be 100 % compatible with convention analog mode communications, excluding secure encrypted mode communications.

Unit should have at a minimum 100 channels capable of supporting no less than four groups (modes) with 25 channels in each. These modes shall consist of any high band frequency and any combinations of TPL/DPL tones. Unit to be capable of Transmitting and Receiving all FCC Part 90.20 and Part 90.35—15 KHz and 7.5 KHz frequency assignments within 150-174 MHz inclusive. Unit shall be capable of both Wide Band operations (similar to 20K0F3E or 16K0F3E emissions on a 15 KHz Channel) and Narrowband operations (Emissions similar to 11K0F3E on a 7.5 KHz or 15 KHz Channel). Units shall be capable of transmitting and receiving on all NTIA (National Telecommunications and Information Administration) interoperability channels assigned to public safety. Minimum spread between frequencies without degradation shall be 24.0 megahertz transmit and 24.0 megahertz receive. Frequency stability on transmit and receive shall be +0.00025% Normal operations of radio equipment and factory specifications shall be consistent over the temperature range of (-30 to +60 C). Purchase order to specify radio and TPL/DPL frequencies. Unit shall be capable of having the channel configuration programmed or reprogrammed as to radio and TPL/DPL tone frequency, in the field using an external programming device available from the successful bidder. There shall be no capability of such programming available to the operator or other unauthorized parties, either by external controls or other means. Radio shall be equipped with a device which disables the transmitter after a period of between 60 to 90 seconds and provides the operator with audible indication that disabling has occurred. Receiver shall have a minimum audio output of 10 watts at 5% distortion or less. Unit shall be equipped with a modulator that will allow the transmission of data. Unit to have control and power cables that are at least 17 feet (5.2 Meters) in length. Unit shall have built into the circuitry some method of holding the programmed memory when the unit is disconnected from the vehicle battery.

Unit

Must meet or exceed the MIL-STD-810E standard as described below:

MIL-STD-810E

Description	Method	Procedures
High Temperature	501.3	I and II
Low Temperature	502.3	I or II
Temperature	503.3	I

Solar Radiation	505.3	I or II
Rain	506.3	I
Humidity	507.3	II
Salt Fog	509.3	I
Dust	510.3	I
Vibration	514.4	I Category 10
Shock	516.4	I

State Manufacturer: _____

Model _____ \$ _____/each

\$ _____/Qty 2-50

Required Additional Features:

Item 2 Scan, multi-channel (1) priority shall follow the channel selection, (2) a separate switch shall be provided to disable this scan function entirely and (3) channels to be scanned shall be individually selected by the operator.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Item 3 Antenna, 3dB gain antenna, similar to an ASP-800 or approved equal.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Item 4 Installation, removal and checkout per FCC requirements, in standard trunk mounting.

Model _____ \$ _____/each

\$ _____/Qty 2-50

Award based on Items 1-4

OPTIONAL FEATURES:

Item 5 Microphone, mobile type, noise canceling. This is a substitution item. It will replace the existing microphone.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 6. Antenna, 1/4-wave whip. ASP-1497 or approved equal.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 7 Microphone, Hang Up Bracket, to be used with the above mobile, this bracket will disable continuous tone control squelch (TPL/DPL) so the operator can monitor the frequency to be used.

Model _____ \$ _____/each
\$ _____/Qty 2-50

Item 8 Post-warranty Maintenance for one year parts and labor at:

1. Locality/Agency \$ _____/yr.
2. Service Shop \$ _____/yr.

LOT 4

RADIOS TWO-WAY PORTABLES, HIGH BAND, 5 WATTS, SYNTHESIZED SPECIFICATION AND BID SHEET

Item 1. Radio, two-way, VHF (150-174 MHz), portable, minimum R.F. Power output 5 watts at the antenna or an external antenna connector. Radio shall be able to communicate in conventional analog mode. Unit must be 100 % compatible with convention analog mode communications, excluding secure encrypted mode communications.

Unit shall have at least 64 channels with a minimum of four mode/groups with no less than 16 channels in each mode/group and any combinations of TPL/DPL tone. Unit shall have a flexible antenna, an ultra high capacity intrinsically safe rechargeable battery and the battery shall be capable of operating at the rated output for a minimum of 8 hours at a 5%-5%-90% duty cycle (EIA). Unit to be capable of Transmitting and Receiving all FCC Part 90.20 and Part 90.35—15 KHz and 7.5 KHz frequency assignments within 150-174 MHz inclusive. Unit shall be capable of both Wide Band operations (similar to 20K0F3E or 16K0F3E emissions on a 15 KHz Channel) and Narrowband operations (Emissions similar to 11K0F3E on a 7.5 KHz or 15 KHz channel). Unit shall be capable of transmitting and receiving on all NTIA (National Telecommunications and Information Administration) interoperability channels assigned to public safety. Unit shall be capable of being used as a hand held portable with and without an external speaker/microphone. Frequency stability on both receive and transmit to be +.0005%. Normal operations of radio equipment and factory specifications shall be consistent over the temperature range of (-30 to +60 C). Unit shall be capable of having the channel configuration programmed or reprogrammed as to radio and TPL/DPL tone frequency in the field using an external programming device available from the successful bidder. There shall be no capability of such programming available to the operator or other unauthorized parties, either by external controls or other means. Receiver frequency spread to be full band with no degradation. Transmitter frequency spread to be full band with no degradation. Radio shall be equipped with a device which disables the transmitter after a period of between 60 to 90 seconds and provides the operator with a visual and/or an audible indication that disabling has occurred. Unit must meet the following MIL-STD-810E specifications.

Unit must meet or exceed the MIL-STD-810E standard as described below.

MIL-STD-810E

Description	Method	Procedures
High Temperature	501.3	I and II
Low Temperature	502.3	I or II
Temperature	503.3	I
Solar Radiation	505.3	I or II
Rain	506.3	I
Humidity	507.3	II

Salt Fog	509.3	I
Dust	510.3	I
Vibration	514.4	I Category 10
Shock	516.4	I

State Manufacturer _____

Model _____	\$ _____/each
	\$ _____/Qty 2-50
	\$ _____/Qty 51-100
	\$ _____/Qty 101-150
	\$ _____/Qty 151-200
	\$ _____/Qty 201-250

Required Additional Features:

Item 2. - Charger, AC, Single unit.

Model _____	\$ _____/each
	\$ _____/Qty 2-50
	\$ _____/Qty 51-100
	\$ _____/Qty 101-150
	\$ _____/Qty 151-200
	\$ _____/Qty 201-250

Item 3 Installation which includes programming per FCC requirements

Model _____	\$ _____/each
	\$ _____/Qty 2-50

Award based on Items 1-3

OPTIONAL FEATURES:

Item 1. - Speaker/microphone

Model _____ \$ _____/each
\$ _____/Qty 2-50
\$ _____/Qty 51-100
\$ _____/Qty 101-150
\$ _____/Qty 151-200
\$ _____/Qty 201-250

Item 3.- Belt Clip

Model _____ \$ _____/each
\$ _____/Qty 2-50
\$ _____/Qty 51-100
\$ _____/Qty 101-150
\$ _____/Qty 151-200
\$ _____/Qty 201-250

Item 5 - Charger, D.C., vehicular, with mobile microphone, 3db gain antenna similar to an ASP-800 and speaker. All connections for speaker and antenna must be automatic.

Model _____ \$ _____/each
\$ _____/Qty 2-50
\$ _____/Qty 51-100
\$ _____/Qty 101-150
\$ _____/Qty 151-200
\$ _____/Qty 201-250

Item 6 - Leather Carrying Case for above portable.

Model _____ \$ _____/each
\$ _____/Qty 2-50
\$ _____/Qty 51-100
\$ _____/Qty 101-150
\$ _____/Qty 151-200
\$ _____/Qty 201-250

Item 7. - Battery, spare, same duty cycle as above.

Model _____ \$ _____/each
\$ _____/Qty 2-50
\$ _____/Qty 51-100
\$ _____/Qty 101-150
\$ _____/Qty 151-200
\$ _____/Qty 201-250

Item 8. - Post-warranty Maintenance, one year parts and labor.

Radio \$ _____/each
Charger, AC, single \$ _____/each
Charger, DC, Vehicular \$ _____/each

LOT 5

**PAGERS VHF, TWO TONE, DUAL CHANNEL, NO STORED VOICE
SPECIFICATION AND BID SHEET**

Item 1. Radio, monitor, tone and voice, high band (150-174 MHz). Shall respond to standard EIA (1+1) sequential signaling. Unit shall be capable of both Wide Band operations (similar to 20K0F3E or 16K0F3E emissions on a 15 KHz Channel) and Narrowband operations (Emissions similar to 11K0F3E on a 7.5 KHz or 15 KHz channel). Shall have rechargeable nickel cadmium battery with approximately 20-hour life based on 2% receive duty cycle (EIA standard). Shall have manual reset, alert/monitor switch, volume control, vibrate function, locking belt clip, A.C. charger. Monitor size approximately 4.5" x 2.5" x 1.3", weight approximately 9 oz. Unit to be similar to a Motorola Minitor V or approved equal

State Manufacturer: _____

Model _____ \$ _____/each
\$ _____/Qty 2-50
\$ _____/Qty 51-100
\$ _____/Qty 101-150
\$ _____/Qty 151-200