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**Proposal Request for Digital Radios**  
**for**  
**Minnehaha County, South Dakota**  
**Request for Proposals No. MC22-04**

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**Prepared By:**  
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# Instructions for Proposals

## 1. General

Due to the compatibility of the Minnehaha County Sheriff Office's current hardware and software programs, the use of competitive sealed bids is not advantageous to the County. Therefore, Minnehaha County is soliciting proposals for mobile and portable digital radios. Proposals will be received until 10:30 am., July 8<sup>th</sup>, 2022, at the Office of the Minnehaha County Auditor, Minnehaha County Administration Building, 415 N. Dakota Avenue, Sioux Falls, South Dakota 57104.

All proposals must be made on the proposal forms provided within this document. Minnehaha County reserves the right to reject any or all proposals or any part thereof and to waive any minor technicalities. A contract will be awarded to the responsible whose proposal conforms to the solicitation and is determined in writing to be the most advantageous to the County, taking into consideration price and the factors set forth below.

## 2. Product

Only proposals that contain the specifications equal to or superior to the specifications set forth below will be considered. Decisions of equivalency and superiority will be at the sole interpretation of the Minnehaha County Sheriff's Office. A blanket statement that the equipment will meet all of the requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal.

All modifications made to the standard production unit described in the manufacturer's brochures must be certified by the manufacturer and submitted with the proposal or the proposal will be deemed "nonresponsive" and rejected without further review. Offeror must be prepared to demonstrate a unit similar to the one proposed, if requested.

## 3. Interpretations

In order to be fair to all offerors, no oral interpretations will be given to any offeror as to the meaning of the specification documents or any part thereof. Every request for such consideration shall be made via email and sent to the Minnehaha County Sheriff's Office to [jbosman@minnehahacounty.org](mailto:jbosman@minnehahacounty.org). Based upon such inquiry, the County may choose to issue an addendum.

## 4. Requirements

Proposals must contain radios that are compatible with the South Dakota state radio network. The specifications found herein state the minimum requirements of the County. All proposals must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be causes for rejection. The County will consider as "irregular" or "nonresponsive" any proposal not prepared and submitted in accordance with the proposal document and specifications or any proposal lacking sufficient technical literature to enable the County to make reasonable determination of compliance to the specifications.

It shall be the offeror's responsibility to carefully examine and understand each item of the specifications. Failure to offer a completed proposal or failure to respond to each section of the Technical Specifications (**Comply** or **Does Not Comply**) will cause the proposal to be rejected

without review as “nonresponsive.” All variances, exceptions, and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specifications will be cause for rejection.

## 1.0 Mobile Digital Radio

The mobile digital radio specifications shall be equal or superior to the following minimum acceptable requirements. Any attachments, documents, price lists, and addendums to support the proposal must be included with the proposal.

### 1.1 Technical Specifications

- 1.1.1 Channel Capacity: 512 channels, expandable to 1,000 channels
- 1.1.2 Capable of operating using Encryption Standard (AES-256)
- 1.1.3 Frequency Range/Bandsplits: VHF (136-174 MHz)
- 1.1.4 Rated RF Output Power: 10-50 W
- 1.1.5 Current P25 CAP compliance found at the following link:  
<https://www.dhs.gov/science-and-technology/approved-grant-eligible-equipment>
- 1.1.6 Capable of operating on P25 Phase I trunked and/or conventional (analog/P25) systems

### 1.2 Characteristics

- 1.2.1 Control Head: The mobile radio must have oversized controls, color display, programmable multi-select buttons, and integrated audio speaker.
- 1.2.2 Connections: The mobile radio must have the following connections on the rear of the unit:
  - 1. RF antenna port
  - 2. Accessory connector
  - 3. GPS
  - 4. Wi-Fi / Bluetooth
  - 5. DC power
- 1.2.3 Dimensions and Weight: The mobile radio shall meet the dimensions listed in Exhibit A and have a weight of 4.80 lbs. Additional weight and size will be allowed for the control head.

Comply  Does Not Comply

Deviation from Specification: \_\_\_\_\_

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## 2.0 Portable Digital Radio

The portable digital radio specifications shall be equal or superior to the following minimum acceptable requirements. Any attachments, documents, price lists, and addendums to support the proposal must be included with the proposal.

### 2.1 Technical Specifications

- 2.1.1 Channel Capacity: 512 channels
- 2.1.2 Capable of operating using Encryption Standard (AES-256)
- 2.1.3 Frequency Range/Bandsplits: VHF (136-174 MHz)
- 2.1.4 Rated RF output Power: 1-5 watts max
- 2.1.5 Current P25 CAP compliance found at the following link:  
<https://www.dhs.gov/science-and-technology/approved-grant-eligible-equipment>
- 2.1.6 Capable of operating on P25 Phase I trunked and/or conventional (analog/P25) systems

### 2.2 Characteristics

- 2.2.1 Display: Full bitmap color LCD Display, 3 lines of text x 14 characters, 1 line of icons, white backlight
- 2.2.2 Keypad: Backlight keypad, 3 soft keys, 4 direction navigation key, home & data buttons
- 2.2.3 Power supply: rechargeable Li-Ion 2700 mAh high capacity battery. Must be water resistant and able to withstand shocks, knocks, drops, and shakes.

Comply  Does Not Comply

Deviation from Specification: \_\_\_\_\_

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### 3.0 Radio Accessories

The County intends to purchase the radio accessories set forth in section 3.1 through 3.3. All radio accessories must meet the following minimum specifications:

- 3.1 Remote Speaker Microphone: For use with portable digital radio. 3.5 mm audio jack, IP55 rating, windporting microphone noise suppression.
- 3.2 Single-Unit Charger: 115V battery charger that is able to charge and recondition the portable digital radio battery. Acceptable charger will need to allow batteries to be left on the charger for extended periods of time and remain fully charged without incurring damage to the battery or charger.
- 3.3 External Speaker: 7.5-watt external radio for mobile radios.

### 4.0 Additional Hardware & Software

The County's current radio operations utilize the following hardware: Motorola KVL 500 (Key Variable Loader), Motorola USB Programming cable for mobile radios, and a Motorola USB Programming cable for portable radios. The County currently uses Astro Digital/CPS software technologies. Offerors must specify whether the proposed mobile and/or portable digital radios are compatible with the County's current hardware and software technologies. If not compatible, please specify the additional hardware or software the County would need to purchase in order to have the proposed mobile and/or portable digital radios be compatible with the County's current hardware and software technologies. Any attachments, documents, price lists, and addendums to support the proposal must be included with the proposal.

Compatible  Not Compatible

Please Specify:

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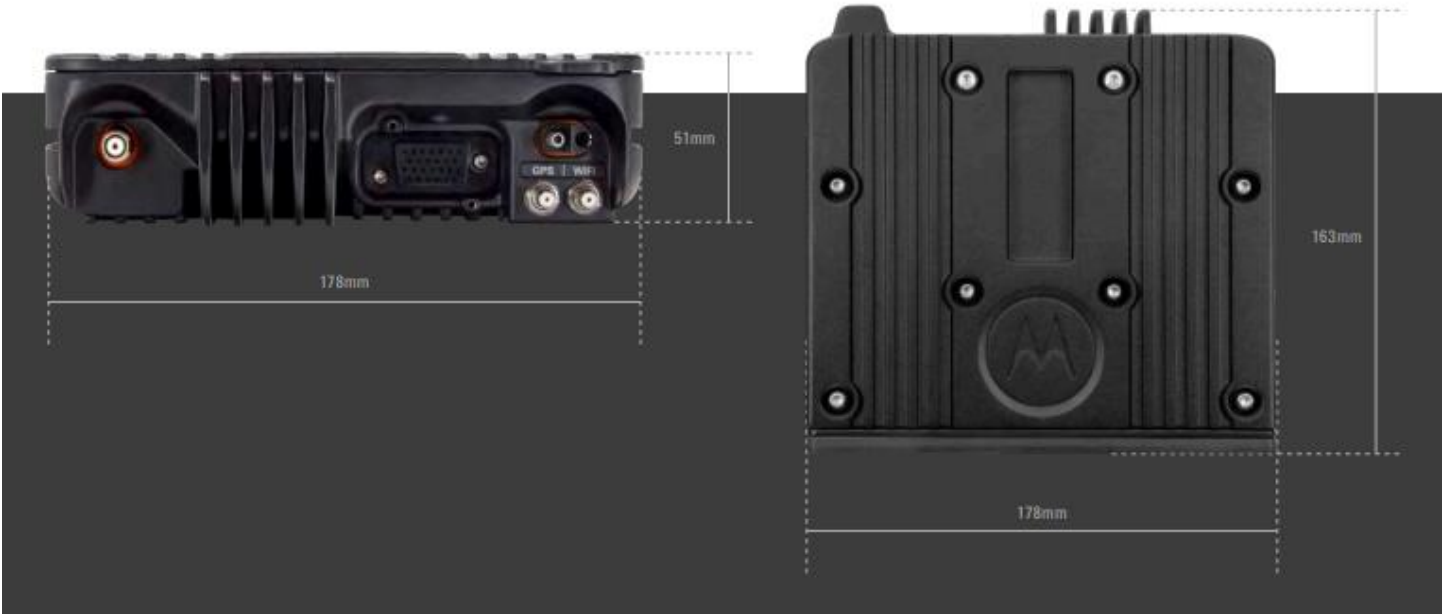
### 5.0 Warranty

- 5.1 Vendor must provide the manufacturer's standard warranty and provide a written copy of the warranty with their proposal.

### 6.0 Delivery

- 6.1 All radios & accessories must be delivered no later than 180 days from the date of the purchase order.

# Exhibit A



## Exhibit B



### **Dimensions of the Radio Without Battery:**

Length: 5.42 inches

Width Push-To-Talk Button: 2.42 inches

Depth Push-To-Talk Button: 1.41 inches

Width Top: 2.62 inches

Depth Top: 1.84 inches

Weight of the radio without battery: 10.05 oz

PROPOSAL REQUEST NO. MC22-04  
 SPECIFICATIONS/PROPOSAL FORM  
 DIGITAL RADIOS

PROPOSAL FORM AND CONTRACT

The undersigned shall, if awarded this contract, furnish to Minnehaha County, South Dakota, the following items in accordance with the conditions, specifications, and requirements as set out in the proposal request and this response.

Item	Description	Qty	Unit Price	Extended Price
1	Portable Digital Radio (per specifications)	140	\$ _____	\$ _____
2	Mobile Digital Radio (per specifications)	64	\$ _____	\$ _____
3	Remote Speaker Microphone	140	\$ _____	\$ _____
4	Single Unit Charger	140	\$ _____	\$ _____
5	External Speaker	64	\$ _____	\$ _____

Make and Model Proposal: Portable Digital Radio: \_\_\_\_\_  
 Mobile Digital Radio: \_\_\_\_\_  
 Remote Speaker Microphone: \_\_\_\_\_  
 Single Unit Charger: \_\_\_\_\_  
 External Speaker: \_\_\_\_\_

The County reserves the right to purchase more or less for the period of one year from the date of award and also reserves the right reject all proposals not in the best interest of the county.

If awarded this request, the offeror's signature on this proposal form and contract is the offeror's contractual signature and, when countersigned by the Commission Chairperson and delivered to the successful offeror, shall become a binding contract to furnish the awarded item(s). The County's acceptance is conditioned upon the resolution of any subsequent protest to the proposal award.

Signature of Offeror \_\_\_\_\_  
 Typed/Printed Name and Title \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone \_\_\_\_\_ FAX \_\_\_\_\_  
 Federal Tax ID No. \_\_\_\_\_ Security Enclosed: \_\_\_\_\_  
 South Dakota Sales Tax Permit No. \_\_\_\_\_

Accepted by Minnehaha County,

Information Only

\_\_\_\_\_  
 County Commission Chairperson

Our company accepts government procurement cards

ATTEST:

Our company does not accept government procurement cards

\_\_\_\_\_  
 County Auditor