**Exhibit 1 Specifications**

**Solicitation 0400000178**

The Bid shall show the ability of the Bidder to meet or exceed the following minimum mandatory specifications in their entirety. Bidders must respond to each line of specifications indicating product bid meets that specification or explain any variation or exception to these minimum specifications in detail and item by item. The vendor must provide product brochures and/or published literature detailing the instrument specifications.

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| **Bendix King Mobile Radio** | |  | | |
| **Product** | **Description** | | **QTY Needed** |  |
| **KNG-M150** | **136-174 MHz, Digital/Analog, P25, 5000 channels, 100 Watts Dash Mount with the following features.** | | **22** |  |
| **Minimum standards** | | **Can Meet Y/N** | | |
| **Feature** | IP54 Water and Dust Protection |  | | |
| **Feature** | USB PC Programmable |  | | |
| **Feature** | OTAP-KNG Series Over the air Programming |  | | |
| **Feature** | Scan Modes Dual priority scan, trunked priority scan and dual mode scan |  | | |
| **Feature** | Cloning to KNG & Legacy Series radios |  | | |
| **Display** | Alpha-numeric, Color TFT Touch Screen Display |  | | |
| **Channel Capacity** | Minimum of 5000 channels |  | | |
| **Memory** | Minimum 256 MB Non-Volatile (Flash) |  | | |
| **Band** | VHF |  | | |
| **Power Supply** | Minimum 13.8 V DC +/- 20% Negative Ground |  | | |
| **Standby Current @ 13.8 V** | Minimum 0.15 Amps |  | | |
| **Receive Current Rated Audio @ 13.8 V** | Minimum 2.15 Amps |  | | |
| **Transmit Current @ Rated Power** | VHF (50 W) 15 Amps |  | | |
| **Receiver Minimum Performance Specs:** | VHF |  | | |
| **Frequency Range/Band Splits** | 136-174 MHz |  | | |
| **Channel Spacing** | 30/25/12.5 KHz |  | | |
| **Maximum Frequency Separation** | Full Band |  | | |
| **Audio Output Power at Rated** | 500 mW |  | | |
| **Frequency Stability (-30Deg C to +60Deg C, +25Deg C Reference** | +/- 00015% |  | | |
| **Analog Sensitivity** | 0.20uV |  | | |
| **Digital Sensitivity** | 0.20uV |  | | |
| **Selectivity** | 25 KHz 80dB; 12.5 KHz 70dB |  | | |
| **Intermediation** | -78dB |  | | |
| **Spurious Rejection** | -80dB |  | | |
| **FM Hum and Noise** | 25 KHz -50dB; 12.5 KHz -44 dB |  | | |
| **Audio Distortion** | 3% |  | | |
| **Transmitter-Minimum Performance Specs** | VHF |  | | |
| **Frequency Range/Band Splits** | 136-174 MHz |  | | |
| **Channel Spacing** | 30/25/12.5 KHz |  | | |
| **Maximum Frequency Separation** | Full Band |  | | |
| **Rated RF Output Power** | 25-100 Watts |  | | |
| **Frequency Stability (-30Deg C to +60Deg C, +25Deg C Reference** | +/- 00005% |  | | |
| **Modulation Limiting** | +/- 5/2.5 KHz |  | | |
| **Emissions (Conducted and Radiated)** | -75dB |  | | |
| **Audio Response** | +1, -3dB |  | | |
| **FM Hum and Noise** | -45 dB |  | | |
| **Audio Distortion** | 1.25% |  | | |

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| **Accessories** | | |  |
| **Product** | **Description** | **QTY Needed** | **Can Meet Y/N** |
| **MWV1360S** | VHF Mobile Antenna, 136-174 MHz, Compatible with NMO mount; unity gain, spring mounted base; KNG-M | 22 |  |
| **NMO-NTYPE** | Fixed Antenna Mount NMO w/ Type N Connector Mobile KNG Radio Antenna mount, compatible with any NMO antenna mount with 17 ft. cable and Type-N male connector. | 22 |  |
| **KAA0290S** | Handheld Programming Smart Microphone KNG-M BK Radio Handheld programmable smart microphone, straight connector, KNG Series Mobiles | 27 |  |
| **LAA0290X** | Handheld Programming Smart Microphone for BK DMH and GMH Series Mobiles; Second Generation, 16 Keys | 8 |  |
| **LAA0170** | Battery Pack, Li-Ion, 2200mAh, Large BK Battery pack, large, black 2200 mAH Li-Ion. Compatible with DPH and GPH Series Portable radios; rechargeable. | 34 |  |
| **LAA0813** | Ant, VHF, Whip, 148-174, Std-Trd, 17" 17" threaded VHF 148-174 MHz Whip Antenna for BK GPH model handheld radios | 15 |  |
| **LAA0139** | Battery, Large, AA-holder, clamshell, Orange AA battery Clamshell for BK Legacy series DPH and GPH portable radios | 21 |  |
| **LAA0325P** | Dual Rate Desktop Charger Rapid Rate charger compatible with Li-Ion batteries; includes AC Wall Plug; for BK Legacy series handheld radio batteries | 17 |  |