

## PERFORMANCE WORK STATEMENT (PWS)

### Land Mobile Radios Maintenance and Repair

13 March 2023

1.1. BILLING: Hourly rates for labor will be billed in quarter hour increments rounded to the nearest quarter.

1.2. REPAIR COST AND METHOD: Repair costs exceeding 50% of the original price of the item and/or over \$500.00 per item, must be approved in advance by the government representative. The government representative may direct the vendor to use the manufacturer's depot flat rate repair method if desired.

1.3. INSPECTION: The government representative reserves the right to inspect any and all work accomplished by the vendor through this agreement. Operational testing of repaired and/or installed equipment may be accomplished.

1.4. WORKMANSHIP: All installation and repair work will be accomplished according to established industry standards, unless the associated Military standard is more stringent, in which case work will be accomplished according to Military standard. Repaired and/or installed equipment will meet its Federal Communications Commission (FCC) specifications and/or manufactures/military specifications if such specifications exist. Any applicable section of the National Electric Code (NEC) will be complied with. All fixed permanent external antennas will have lightning protection on the antenna down lead. An antenna will never be located where it poses a threat of harmful radio frequency (RF) radiation exposure to a human being. The vendor will comply with all directions given by an authorized government representative.

1.5. WARRANTY/GUARANTEE: The vendor will guarantee the quality of their workmanship and any materials/parts used for a minimum period of 90 days. Any equipment repaired and determined to be not meeting standards by the government representative will be returned to the vendor for further repairs at no additional cost.

1.6. GOVERNMENT REPRESENTATIVE: As used in this document the government representative refers to Dover AFB personnel assigned to the RF Transmissions Systems work center.

1.7. VENDOR CONTACT NUMBER: The contractor will provide a 24 hour, 365 days a year phone number or numbers through which a service technician can be dispatched to Dover AFB.

1.8. MATERIAL PRICING: Material (Parts) used during the repair or installation of radio equipment will be billed at a 15% discount off the manufacturer suggested retail price plus shipping if applicable.

## 2. SERVICES REQUESTED:

### 2.1 REPAIR SERVICES

2.1.1. IN SHOP REPAIR (BENCHWORK): Test, troubleshoot, replace necessary parts, align, adjust and/or perform any other action required to repair radio equipment and associated ancillary devices at the vendor's place of business during normal business hours. This includes but is not limited to portable radios mainly consisting of Motorola APX6000s and mobile radios mainly consisting of Motorola APX6500s, console radio base stations, MCC-2500 desk sets, tone remote adapters, and electronic circuit cards/boards used in Motorola radio systems. The government representative will provide shipping to the vendor's place of business. The vendor will be responsible for providing return shipment. The vendor may elect to dispatch one of their employees to pick up and/or return radios equipment to Dover AFB as long as this service is provided at no charge.

\$\_\_\_\_\_/per hour

2.1.2 IN SHOP REPAIR ESTIMATES: Flat rate fee charged to estimate the in-shop repair cost of radio equipment and associated ancillary devices at the vendor's place of business during normal business hours.

\$\_\_\_\_\_/flat rate fee

2.1.3 DEPOT FLAT RATE REPAIR: Test, troubleshoot, replace necessary parts, align, adjust and/or perform any other action required to repair radio equipment and associated ancillary devices, when necessary, by returning the equipment, first preference, to an Authorized Motorola Federal Government depot facility if available, or to a Motorola Radio Support Center, or to the Motorola System Support Center as applicable. This includes but is not limited to portable radios mainly consisting of Motorola XTS-5000s and mobile radios mainly consisting of Motorola XTL-5000 console radio base stations, MCC-2500 desk sets, tone remote adapters, and electronic circuit cards/boards used in Motorola radio systems.

EQUAL TO OR LESS THAN THE ESTABLISHED LIST PRICE PUBLISHED BY  
MOTOROLA

2.1.4 FIELD SERVICE REPAIR: Test troubleshoot, replace necessary parts, swap circuit boards, swap modules, align, adjust and/or perform any other action required to repair at the installed equipment location permanent fixed radio equipment and associated ancillary devices in use at Dover AFB during normal business hours. Spare boards/modules etc. possessed by Dover AFB will be made available to assist the vendor. Defective boards/modules etc. removed by the vendor may be removed and repaired at the vendor's place of business in accordance with Para. 2.1.1. This includes but is not limited to the ARC-4000 Trunk System, Nice Recorder System, all components of a MCC 7500 Console radio dispatch system, all components of Federal Signal Giant Voice stacks and associated ancillary devices.

\$\_\_\_\_\_/per hour

2.1.5. EMERGENCY RADIO SYSTEMS RESTORATION: The vendor will respond and be on-site at Dover within 4 hours. Test, troubleshoot, replace necessary parts, swap circuit boards, swap modules, align, adjust and/or perform any other action required to repair at the installed equipment location permanent fixed radio equipment and associated ancillary devices in use at Dover AFB after normal business hours. Spare boards/modules etc. possessed by Dover AFB will be made available to assist the vendor. Defective boards/modules etc. removed by the vendor may be removed and repaired at the vendor's place of business in accordance with Para. 2.1.1. This includes but is not limited to the ARC-4000 Trunk System, Nice Recorder System, all components of a MCC 7500 Console radio dispatch system, all components of Federal Signal Giant Voice stacks and associated ancillary devices.

\$\_\_\_\_\_/per hour

PLUS Motorola Level II Tech Support if needed at published rate

2.1.6. FIELD VEHICLE RADIO/SIREN/PUBLIC ADDRESS/EMERGENCY LIGHTING SYSTEMS REPAIR: Troubleshoot, align, replace necessary parts, adjust and/or perform any other action required to repair vehicle installed radios, emergency equipment and other associated devices on Dover AFB at the location specified by the government representative, during normal business hours. This includes but is not limited to radio antenna system, radio wiring, siren/public address systems, intercom systems, light bars and other emergency lighting systems, and associated wiring.

\$\_\_\_\_\_/per hour

2.1.7. IN SHOP VEHICLE RADIO/SIREN/PUBLIC ADDRESS/EMERGENCY LIGHTING SYSTEMS REPAIR: Troubleshoot, align, replace necessary parts, adjust and/or perform any other action required to repair vehicle installed radios, emergency equipment and other associated devices at the vendor's place of business during normal business hours. This includes but is not limited to radio antenna system, radio wiring, siren/public address systems, intercom systems, light bars and other emergency lighting systems, and associated wiring.

\$\_\_\_\_\_/per hour

## 2.2. INSTALLATION SERVICES:

2.2.1. PERMANENT FIXED RADIO SYSTEM INSTALLATION/UPGRADE SERVICES: Install, remove, relocate and/or up-grade permanent fixed radio equipment and associated ancillary devices at Dover AFB during normal business hours. This includes but is not limited to all components of a MCC 7500 Console radio dispatch system, all components of Giant Voice stacks and associated ancillary devices. Upgrades to include both firmware and software. Perform any required adjustments and/or alignments to ensure the equipment meets the standards of Para. 1.4. Conduct operational test to ensure the installed equipment is functioning properly.

\$\_\_\_\_\_/per hour

2.2.2. IN SHOP VEHICLE RADIO SYSTEMS INSTALLATION SERVICES: Install, remove, relocate mobile radio equipment and other associated devices during normal business hours at the vendor's place of business. This includes but is not limited to vehicle radios, antenna systems, radio wiring, siren/public address systems, intercom systems, light bars and other emergency lighting systems, and associated wiring.

\$\_\_\_\_\_/per hour

2.2.3. FIELD VEHICLE RADIO SYSTEMS INSTALLATION SERVICES: Install, remove, relocate mobile radio equipment and other associated devices during normal business hours on Dover AFB at the location specified by the government representative. This includes but is not limited to vehicle radios, antenna systems, radio wiring, siren/public address systems, intercom systems, light bars and other emergency lighting systems, and associated wiring.

\$\_\_\_\_\_/per hour

### 2.3. OTHER SERVICES:

2.3.1. TECHNICAL SERVICES: Assist and/or develop technical solutions on the use of various radio, video surveillance, access control systems equipment for Dover AFB. Evaluate technical manuals and/or schematic diagrams to determine interface options, applications, jumper configurations, interconnect wiring, equipment configurations, level settings etc. Provide copies of wiring and system block diagrams for any solution they develop. Design radio, video, access control systems to meet operational needs of Dover AFB. Produce equipment listing with the manufacturer name and model/part number for any recommended systems the vendor develops.

\$\_\_\_\_\_/per hour

2.3.2. RADIO PROGRAMMING SERVICES: Flat rate fee per radio for the vendor to program and/or reprogram mobile and/or portable radios for Dover AFB. Service to be performed either at the vendor's place of business or in the field whichever the government representative requests. This service may only be used when the government representative specifically asks for it to be performed.

\$\_\_\_\_\_/flat rate fee

2.3.3. PREVENTATIVE MAINTENANCE INSPECTIONS: The Vendor will conduct PMIs on all equipment relating to the MCC7500, Base Stations, and all affiliated wiring and antenna systems quarterly. The Vendor will conduct PMIs on all equipment relating to the Giant Voice system and all affiliated wiring and antenna systems quarterly.

\$\_\_\_\_\_/per hour

2.3.4. TECHNICIAN TRAINING SERVICES: The Vendor will train technicians on maintaining any product under Dover AFB's control. This includes but is not limited to the Trunk System,

Nice Recorder System, all components of a MCC 7500 Console radio dispatch system, all components of Giant Voice stacks and associated ancillary devices. This service will be performed on and using equipment specific to Dover AFB. Vendor will provide adequate information to help construct a sustainable training program. Training will include classroom instruction complete with training materials in both hard and electronic copies, as well as hands on/on the job training on all equipment aspects from troubleshooting to routine PMIs. All materials provided will then become property of the U.S Government to be used and/or modified as needed.

\$\_\_\_\_\_/per hour

2.3.5 Emergency Vehicle Lights and Sirens: Install, remove, relocate and/or upgrade permanent fixed emergency lighting and warning equipment and associated ancillary devices at our Dover, Delaware facility during normal business hours. This includes but is not limited to lightbars, beacons, perimeter lighting, area lighting, and associated ancillary devices. Perform any required adjustments and/or alignments to ensure the equipment meets the manufacturer's standards and recommendations. off published current list prices.

\$\_\_\_\_\_/per hour

2.3.6 Replacement Parts and Accessories: Parts needed to replace unrepairable items. Motorola Radio devices, replacement repair parts, batteries, antennas, and audio accessories will be discounted at 15% off MSRP (Manufacturer's Suggested Retail Price). Video and Access Control hardware and software will be discounted at 25% off MSRP (Manufacturer's Suggested Retail Price).