

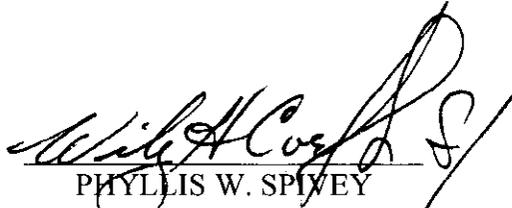
STATEMENT OF WORK (SOW) FOR THE  
Inspect Repair Only As Necessary (IROAN)  
Sensor Mobile Monitor System (SMMS) AN/MSC-77  
NSN 6350-01-382-1826  
P/N 87001B0000; CAGE 01365



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**1.0 Scope.** This Statement of Work (SOW) establishes, sets forth tasks, and identifies the work effort that shall be performed by the Contractor in the IROAN of the Sensor Mobile Monitor System (SMMS) AN/MS-77, NSN 6350-01-382-1826; hereafter referred to as the SMMS. The SMMS IROAN components are the AN/USQ-126 Sensor Monitor System shelter mounted on a High Mobility Multi-purpose Wheeled Vehicle (HMMWV). This document contains requirements to restore the SMMS to Condition Code "A". Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than 6 months shelf-life remaining."

**1.1 Background.** IROAN is defined as "that maintenance technique which determines the minimum repairs necessary to restore equipment, components or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement."

**2.0 Applicable Documents.** The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

**2.1 Military Specifications**

MIL-DTL-55507 Shelter, Electrical Equipment (with or without Equipment), Packaging of

**2.2 Military Standards**

MIL-STD-129 DoD Standard Practice for Military Marking

**Military Standards (For Guidance Only)**

MIL-STD-973 Configuration Management

**2.3 Other Government Documents and Publications:** The issues of those documents cited below shall be used.

TM 09856A-10/1 Components List

TM 09856A-24&P/2	Maintenance Instructions With Parts Breakdown
TM 10-5411-224-14	Operator's, Unit, Direct Support & General Maintenance for Lightweight Multipurpose Shelters Model No. S-788/G Type III
TM 2320-50/1	Inspect Repair Only as Necessary Manual
SOW-01-835-2-08770A-2/1	IROAN SOW for HMMWV Series Trucks
87001B1000	Technical Data Package
DoD 4000.25-1-M	MIL STRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor furnished Materiel from the Federal Supply System

## 2.4 Industry Standards

ANSI/EIA-625	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
ANSI/ISO/ASQC Q9002-1994	Quality Systems – Model for Quality Assurance in Production, Installation, and Servicing

(Copies of Military Specifications and Standards are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the contracting officer: Commander, Marine Corps Logistics Bases, (Code 890) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, ATTN (Code 825-2), 814 Radford Blvd. STE 20320, Albany, Georgia 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410).

## 3.0 Requirements

**3.1 General Tasks:** In fulfilling the specified requirements, the Contractor shall provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test the SMMS weapon system. Upon completion of repairing the subject item it shall be Condition Code "A".

**3.2 Detail Tasks:** The following tasks describe the different phases for repair of the SMMS weapon system.

Phase I	Pre-Induction
Phase II	Repair
Phase III	Inspection, Testing and Acceptance
Phase IV	Packaging, Handling, Storage and Transportation (PHS&T)

**3.2.1 Phase I Pre-Induction:** Within five working days of inducting the SMMS into the contractor's facility the Sensor Monitor System shelter shall be removed from the HMMWV. Both systems will be evaluated for repair capability.

**3.2.1.1 HMMWV Pre-Induction:** The HMMWV pre-induction process will be in accordance with SOW-01-835-2-08770A-2/1.

**3.2.1.2 Shelter Pre-Induction** A pre-induction inspection analysis shall be performed for each Sensor Monitor System (SMS) shelter for evaluation of repair capability. If repair is not feasible, assign condition code H, notify Marine Corps Logistics Base, Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the government in accordance with section 4.0 of this SOW.

**3.2.2 Phase II - Repair:** After pre-induction tests and inspections have been completed, repair of the SMMS weapon system shall be accomplished as two separate items, vehicle and shelter.

**3.2.2.1 HMMWV Repair:** The vehicle shall be processed in accordance with the Phase II - IROAN paragraph of SOW-01-835-2-08770A-2/1.

**3.2.2.2 Shelter Repair:** After pre-induction tests and inspections have been completed, IROAN of the Sensor Monitor System shelter in accordance with this SOW, technical manual TM 10-5411-224-14 and technical data package 87001B1000. Deficiencies noted on the Pre-Induction Checklist (Appendix A) shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

**3.2.2.3 Technical Manuals:** Technical manuals TM 09856A-10/1 and TM 09856A-24&P/2 shall be used to assist the contractor.

### **3.2.3 Phase III - Inspection, Testing and Acceptance**

a. Inspection, Testing and Acceptance of the HMMWV shall be conducted in accordance with SOW-01-835-2-08770A-2/1.

b. Inspection, Testing and Acceptance of the Sensor Monitor System shelter shall be in accordance with TM 09856A-24&P/2, TM 10-5411-224-14, SOW-01-835-2-08770A-2/1, and 87001B1000.

c. The Sensor Monitor System shelter will be mounted to the HMMWV in accordance with TM 09856A-24&P/2.

d. Inspection, Testing and Acceptance of the SMMS shall be in accordance with TM 09856A-24&P/2

e. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 847-4), Albany, GA representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

### **3.2.4 Phase IV - Packaging, Handling, Storage and Transportation (PHS&T)**

a. The contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Items being prepared for all shipments shall be in accordance with the level A requirements of MIL-DTL-55507. Items scheduled for domestic shipment, immediate use or short-term storage shall be to level B requirements.

b. Marking of all items shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The Contractor shall be responsible for shipment to the pre-designated site. The Marine Corps will be responsible for transportation costs associated with shipping the equipment to and from the contractor.

### **3.3 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM).**

GFE is government owned equipment authorized by contract for use by a commercial/ Government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into the product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/Code 827-2), Marine Corps Logistic Bases, Albany, Georgia will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets.

**3.4 Contractor Furnished Materiel.** The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the Contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

**3.5 Electrostatic Discharge (ESD) Control Program:** The contractor shall establish, implement and document an ESD control program following the guidelines provided in ANSI/EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

**3.6 Quality Assurance Provisions:** The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994, Quality Systems Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The Government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements.

**3.7 Acceptance:** The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct an inspection.

**3.8 Rejection:** Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB Code 847-4, Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

**3.9 Configuration Control:** The baseline configuration for the SMMS weapon system has been established in the Technical Manual's and the Technical Drawing Package, 87001B1000. Deviation from the established baseline configuration will not be allowed without the approval in writing of the Weapon System/Equipment Manager (Code 847-4). All proposed permanent changes to the fit, form or function of the baseline, shall require an Engineering Change Proposal using MIL-STD-973, paragraph 5.4.2 and appendix "D" as a guide. If necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation/Request for Waiver using MIL-STD-973, paragraph 5.4.3 or 5.5.4 and subparagraphs and Appendix "E", as a guide.

#### **4.0 Reports**

**4.1 Pre-Induction Checklist:** The Contractor shall complete the Pre-Induction Inspection checklists (Appendix A & B, and Appendix C of TM 2320-50/1), HMMWV and SMS shelter, for each SMMS repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCLB (Code 847-4) Albany, Georgia, after final acceptance of the SMMS weapon system.

**4.2 Repairable Item Inspection Report:** The Contractor shall provide a Repairable Item Inspection Report for each SMMS weapon system. The report shall be identified by United States Marine Corps Serial Number.

**4.3 Monthly Progress Reports:** The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the SMMS IROAN Program.









