

Date: 12/29/2000

STATEMENT OF WORK (SOW)

For the Inspect and Repair Only As Necessary (IROAN) of the  
Shelter 10 Foot Rigid Electronic Maintenance Complex (EMC)

NSN: 5411-01-304-6123

P/N: 87036A0000; CAGE: 01365

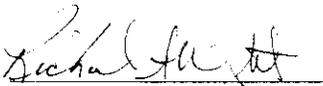
SOW-03-844-1-09273A-2/1

1. This SOW identifies the work effort that shall be performed by the Contractor to IROAN the Shelter 10 Foot Rigid Electronic Maintenance Complex (EMC); NSN 5411-01-304-6123; P/N 87036A0000; CAGE: 01365.
2. The attached manuscript has been reviewed and is concurred upon by the following signers:



**HARVEY C. DEARING**

Weapon System/Equipment Manager  
Data Systems Section (Code 844-1)  
MCLB, Albany GA



**GYSGT R. WRIGHT**

Equipment Specialist  
Data Systems Section  
(Code 844-1)  
MCLB, Albany GA



**PATRICIA HUGYA**

Inventory Manager  
Data Systems Section  
(Code 844-1)  
MCLB, Albany GA

## TABLE OF CONTENTS

<u>Paragraph</u>	<u>Title</u>	<u>Page</u>
	Cover Page	
	Table of Contents	i
1.0	Scope	1
1.1	Background	1
2.0	Applicable Documents	1
2.1	Military Specifications	1
2.2	Military Standards	1
2.3	Other Government Documents and Publications	1
2.4	Industry Standards	2
3.0	Requirements	2
3.1	General Tasks	2
3.2	Detail Tasks	3
3.2.1	Phase I (Pre-Induction)	3
3.2.2	Phase II (Repair)	3
3.2.3	Phase III (Inspection, Testing and Acceptance)	4
3.2.4	Phase IV (Packaging, Handling, Storage and Transportation (PHS&T))	4
3.3	Government Furnished Equipment (GFE)/Materiel (GFM) Accountability	4
3.4	Contractor Furnished Materiel (CFM)	5
3.5	Electrostatic Discharge (ESD) Control Program	5
3.6	Quality Assurance Provisions	5
3.7	Acceptance	5
3.8	Rejection	5
3.9	Configuration Control	5
4.0	Reports	6
4.1	Pre-Induction Checklist	6
4.2	Test/Inspection Report	6
4.3	Repairable Item Inspection Report	6
4.4	Monthly Progress Report	6
<u>Appendix</u>		
A	Standard Form 364 (Rev. 2-80)	

**STATEMENT OF WORK**  
**For the IROAN of**  
**Shelter 10 Foot Rigid Electronic Maintenance Complex (EMC)**  
**(5411-01-304-6123)**  
**P/N: 87036A0000; CAGE: 01365**

## **1.0 Scope**

This Statement of Work (SOW) establishes, sets forth tasks, and identifies the work effort that shall be performed by the Contractor to IROAN the Shelter 10 Foot Rigid EMC Shelter, NSN: 5411-01-304-6123; hereafter referred to as the 10' EMC SHELTER. This document contains requirements to restore the 10' EMC SHELTER, Drawing Number 87036A0000, CAGE 01365, 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
MIL-STD-2073-1D	DoD Standard Practice for Military Packaging

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

SL-3-09273A	Components List for Shelter, EMC, 10ft
-------------	--

TM 5410-14/1	Intermediate Maintenance Instructions Electronics Maintenance Complex
TM 5411-14/1	Marine Corps Expeditionary Shelter System (MCESS) (Small Shelter Family) Operation and Maintenance Instructions
TM 5411-14&P/2	Marine Corps Expeditionary Shelter System, General Purpose Shelter, Operations and Maintenance Instructions with Repair Parts
87036A0000	Technical Data Package
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

#### **Military Handbooks (For Guidance)**

MIL-HDBK-61	Configuration Management Guidance
-------------	-----------------------------------

#### **2.4 Industry Standards**

JESD625-A	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
ANSI/ISO/ASQC Q9002-1994	Quality Systems-Model for Quality Assurance in Production, Installation, and Servicing

#### **Industry Standards (For Guidance)**

ANSI/EIA-649	National Consensus Standard for Configuration Management
--------------	--

(Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Document Automation and Production Service, Building 4/D, 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, Attn: Contracting Officer (Code 891), Marine Corps Logistics Base, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 851-3, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 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 and calibrate the 10' EMC SHELTER. 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 10' EMC SHELTER:

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:** The Contractor shall perform a pre-induction inspection analysis for each 10' EMC SHELTER within five working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Logistics Base (844-1), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. The Pre-Induction Checklist (Appendix A) 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 10' EMC SHELTER shall be accomplished by the Contractor in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist during Phase I 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.

a. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety, and one-time use items. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

b. Publications and Documentation: In addition to the documents invoked in Section 3 of this SOW, the Contractor may use the following documents:

SL-3-09273A

Components List for Shelter, EMC, 10ft

TM 5410-14/1	Intermediate Maintenance Instructions Electronics Maintenance Complex
TM 5411-14/1	Marine Corps Expeditionary Shelter System (MCESS) (Small Shelter Family) Operation and Maintenance Instructions
TM 5411-14&P/2	Marine Corps Expeditionary Shelter System (MCESS), General Purpose Shelter, Operations and Maintenance Instructions with Repair Parts.
87036A0000	Technical Data Package

c. Any Modification Instructions (MI's) or Engineering Change Proposals (ECP's) not previously applied shall be incorporated.

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

a. The Contractor shall conduct inspection, testing and acceptance of each 10' EMC SHELTER in accordance with the documents and TM's listed in section 3.2.2.b.

b. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 844-1), 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 for items being repaired under the terms of this statement of work. Items being prepared for long term storage and shipment to overseas destinations shall be preserved and packaged in accordance with the level A requirements of MIL-STD-2073-1D, Appendix A, Table A.VI., Electronic Equipment. Items scheduled for domestic shipment for immediate use and short-term storage shall be to level B requirements.

b. Marking for shipment 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 arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

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

**Accountability:** 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 product being manufactured/remanufactured under a contract/statement of work. In the event the Contractor does have GFE/GFM requirements, the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics 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. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

**3.4 Contractor Furnished Materiel (CFM):** 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 JESD625-A. 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 System Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include 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 (Code 844-1) 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 844-1, 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 contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written authorization. The baseline configuration has been defined by Technical Data Package

87036A0000. All permanent changes to the form, fit or function of the baseline shall be by Engineering Change Proposal. MIL-HDBK-61 (paragraph 4.2 and Table 4-6) and ANSI/EIA-649 (paragraph 5.3.1) provide guidance for preparing this configuration control document. If it is necessary to temporarily depart from the authorized configuration, the contractor shall submit a Request for Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

**4.0 Reports:** All report deliverables shall be submitted in hard copy to Commander (Code 844-1), Marine Corps Logistics Bases, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, unless directed otherwise in a Contract Data Requirements List.

**4.1 Pre-Induction Checklist:** The Contractor shall complete the Pre-Induction Inspection Checklist (Appendix A) for each 10' EMC SHELTER repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCLB (Code 844-1) Albany, Georgia, within 30 days after final acceptance of the 10' EMC SHELTER.

**4.2 Test/Inspection Report:** The Contractor shall provide a Test/Inspection Report for each 10' EMC SHELTER.

**4.3 Repairable Item Inspection Report:** The Contractor shall provide a Repairable Item Inspection Report for each 10' EMC SHELTER. The report shall be identified by United States Marine Corps Serial Number.

**4.4 Monthly Progress Reports:** The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the 10' EMC SHELTER Program.









