

STATEMENT OF WORK
FOR THE
INSPECT AND REPAIR ONLY AS NECESSARY (IROAN)
OF THE
SHELTER, NONEXPANDABLE,
20 FOOT RIGID/EMC
NSN: 5411-01-305-7366
P/N: 82A5050A0000; CAGE 01365

Prepared by
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STATEMENT OF WORK (SOW)
FOR THE IROAN
OF THE
SHELTER, NONEXPANDABLE, 20 FOOT RIGID/EMC
NSN 5411-01-305-7366

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, Nonexpandable, 20 Foot Rigid/EMC, NSN: 5411-01-305-7366. This document contains requirements to restore the Shelter, Nonexpandable, 20 Foot Rigid/EMC, Drawing Number 82A5050A0000, 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 six 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 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.

| | |
|---|---|
| TM 5410-14/1 | Intermediate Maintenance Instructions Electronics Maintenance Complex |
| TM 5411-14&P/2 | Marine Corps Expeditionary Shelter System, General Purpose Shelter, Operations and Maintenance Instructions with Repair Parts |
| Engineering Drawing 87036A0000 CAGE 01365 | Technical Data Package |

| | |
|-----------------|---|
| DoD 4000.25-1-M | Military Standard Requisitioning and Issue Procedures (MILSTRIP) |
| SL-3-09281A | Components List for Shelter, Nonexpandable, 20 Ft, EMI/EMC |
| TM 5411-14/1 | Marine Corps Expeditionary Shelter System (MCESS) (Small Shelter Family) Operation and Maintenance Instructions |
| JESD625-A | Requirements for Handling Electrostatic-Discharge-Sensitive (ESDS) Devices |

Military Handbook (For Guidance)

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

2.3 Industry Standard

ANSI/ISO/ASQC Q9001-2000 Quality Management Systems-Requirements

Industry Standard (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, commercial telephone number (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: Contracts Department (Code 891), P.O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Base, Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from: Supply Chain Management Center, Attn: (Code 583-1), 814 Radford Blvd., Suite 20320, Albany GA 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

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, test and calibrate the Shelter, Nonexpandable, 20 Foot Rigid/EMC. 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 Shelter, Nonexpandable, 20 Foot Rigid/EMC.

| | |
|-----------|---|
| 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 Shelter, Nonexpandable, 20 Foot Rigid/EMC 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 Systems Command (MCSC) (Code PMM162), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. The Pre-Induction Inspection Checklist (Appendix A) shall be used to report all anomalies and shall be provided to MCSC (Code PMM162), Albany, GA 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 Shelter, Nonexpandable, 20 Foot Rigid/EMC, shall be accomplished by the Contractor in accordance with this SOW. Deficiencies noted on the Pre-Induction Inspection 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 2 of this SOW, the Contractor may use the following documents:

| | |
|----------------|---|
| SL-3-09281A | Components List for Shelter, Nonexpandable, 20 Ft, EMI/EMC |
| 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.

Engineering Drawing
87036A0000
CAGE 01365

Technical Data Package

c. Any Modification Instructions (MIs) or Engineering Change Proposals (ECPs) 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 Shelter, Nonexpandable, 20 Foot Rigid/EMC in accordance with SL-3-09281A, TM 5410-14/1, TM 5411-14/1, TM 5411-14&P/2, and Engineering Drawing 87036A0000, CAGE 01365.

b. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC (Code PMM162), 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 item(s) being repaired under the terms of this Statement of Work. Items scheduled for long-term storage or 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 being prepared for domestic shipment for immediate use and short-term storage shall be to Level "B" requirements.

b. Marking for shipment and storage shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the Contractor with the shipping address(es) for the 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). The Management Control Activity (MCA/Code 571-1) will coordinate Government Furnished Equipment/Government Furnished Materiel (GFE/GFM) requests and maintain a central control system on all government owned assets in the Contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature on an annual basis to establish a chain of custody and identify property responsibilities for Marine Corps assets. The Contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. This can be done by mailing a copy of the DD1348 to Materiel Management Department, Management Control Activity (Code 571-1), 814 Radford Blvd., STE 20320, Albany, GA 31704-0320 or faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

3.4 Contractor Furnished Materiel (CFM). The Contractor may requisition materiel as required

in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP) Chapter 11 provides guidance to Contractors on the requisitioning process. The Contractor's decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

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, testing, 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 Q9001-2000, Quality Management Systems-Requirements. 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. MCSC (Code PMM162), Albany, GA 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 MCSC (Code PMM162), Albany, GA 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 MCSC (Code PMM162), Albany, GA representative. The Contractor shall, at no additional cost to MCSC (Code PMM162), Albany, GA 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 prior written authorization. All permanent changes to the form, fit or function of the baseline shall be by Engineering Change Proposal. If it is necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request for Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing these configuration control documents.

4.0 REPORTS. All report deliverables shall be submitted in hard copy to Marine Corps Systems Command (Code PMM162), 814 Radford Blvd., STE 20343 Albany, Georgia 31704-0343, unless directed otherwise in a Contract Data Requirements List.

4.1 Pre-Induction Inspection Checklist. The Contractor shall complete the Pre-Induction Inspection Checklist (Appendix A) for each Shelter, Nonexpandable, 20 Foot Rigid/EMC repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCSC (Code PMM162), Albany, GA within 30 days after final acceptance of the Shelter, Nonexpandable, 20 Foot Rigid/EMC.

4.2 Test/Inspection Report. The Contractor shall provide a Test/Inspection Report for each Shelter, Nonexpandable 20 Foot Rigid/EMC.

4.3 Repairable Item Inspection Report. The Contractor shall provide a Repairable Item Inspection Report for each Shelter, Nonexpandable, 20 Foot Rigid/EMC. 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 Shelter, Nonexpandable, 20 Foot Rigid/EMC Program.

PRE-INDUCTION INSPECTION CHECKLIST

INSTRUCTIONS

DEPARTMENT OF DEFENSE: DLAR 4.40.55/AR 735.11.2/NAVSUPINST 4440.127E/AFR 400.54/MCO 4430.3E, Reporting of Item and Packaging Discrepancies and/or DLAR 4140.60/AR 12-12/NAVSUPINST 4920.9B/AFR 67.7/MCO 4140.1B, processing Discrepancy Reports Against Foreign Military Sales Shipments. CIVILIAN AGENCIES: See FPMR handbook cited in 19 (2) (a).

| | | | | | | | | |
|--|-----------------------------------|---|---|-----------------|-------------------|-------------------|---------------|-------|
| REPORT OF DISCREPANCY (ROD) SHIPPING _____ PACKAGING _____ | | 1. DATE OF PREPARATION | 2. REPORT NUMBER | | | | | |
| 3. TO: (Name and Address, Include ZIP Code) | | 4. FROM: (Name and Address, Include ZIP Code) | | | | | | |
| 5a. SHIPPERS NAME | | 5b. NUMBER AND DATE OF INVOICE | 5c. TRANSPORTATION DOCUMENT NUMBER (GIBL, Waybill, TCN, etc.) | | | | | |
| 7a. SHIPPER'S NUMBER (Purchase Order/Shipments, Contract, etc) | 7b. OFFICE ADMINISTERING CONTRACT | | 8. REQUISITIONER'S NUMBER (Requisition, Purchase Requisition, etc.) | | | | | |
| 9. SHIPMENT, BILLING, AND RECEIPT DATA | | | 10. DISCREPANCY DATA | | | | | |
| NSN/PART NUMBER AND NOMENCLATURE (a) | UNIT OF ISSUE (b) | QUANTITY SHIPPED/BILLED (c) | QUANTITY RECEIVED (d) | QUANTITY (a) | UNIT PRICE (b) | TOTAL COST (c) | 1 CODE (d) | 11. 2 |
| 12. REMARKS (continue on separate sheet of paper if necessary) | | | | | | | | |

| | 1. DISCREPANCY CODES | 2. ACTION CODES |
|---|--|--|
| CONDITION OF MATERIAL | PRODUCT QUALITY DEFICIENCIES | 1A - Disposition instructions requested (Reply on reverse) |
| C1 - In condition other than that indicated on release/receipt document | Q1 - Deficient material (Applicable to Grant Aid and FMS shipments) | 1B - Material being retained (See Remarks) |
| C2 - Expired shelf life | SHORTAGE OF MATERIAL | 1C - Supporting supply documentation requested |
| C3 - Damaged parcel post shipment | S1 - Quantity less than that on receipt document | 1D - Material still required, expedite shipment (Not applicable to FMS) |
| SUPPLY DOCUMENTATION | S2 - Quantity less than that requested (Other than unit of issue pack) | 1E - Local purchase material to be returned at supplier's expense unless disposition instructions to the contrary are received within 15 days (Reply on reverse) (Not applicable to FMS) |
| D1 - Not received | S3 - Non-receipt of parcel post shipments | 1F - Replacement shipment requested (Not applicable to FMS) |
| D2 - Illegible or mutilated | ITEM TECHNICAL DATA MARKINGS (i.e., Name Plates, Log Books, Operating Handbooks, Special Instructions, etc.) | 1G - Reshipment not required. Item to be re-requisitioned |
| D3 - Incomplete, improper or without authority (Only when receipt cannot be properly processed) | T1 - Missing | 1H - No action required. Information only |
| MISDIRECTED MATERIAL | T2 - Illegible or Mutilated | 1Z - Other action requested (See remarks) |
| M1 - Addressed to wrong activity | T3 - Precautionary operational markings missing | |
| OVERAGE/DUPLICATE SHIPMENTS | T4 - Inspection data missing or incomplete | |
| O1 - Quantity in excess of that on receipt document | T5 - Serviceability operating data missing or incomplete | |
| O2 - Quantity in excess of that requested (Other than unit of issue pack) | T6 - Warranty data missing | |
| O3 - Quantity duplicate shipment | WRONG ITEM (Identify requested item as a separate copy in Item 9. above) | |
| PACKING DISCREPANCY | W1 - Incorrect item received | |
| P1 - Improper preservation | W2 - Unacceptable substitute | |
| P2 - Improper packing | OTHER DISCREPANCIES | |
| P3 - Improper Marking | Z1 - See Remarks | |
| P4 - Improper unitization | | |

13. FUNDING AND ACCOUNTING DATA

| | |
|---|----------------|
| 14a. TYPED OR PRINTED NAME, TITLE, AND PHONE NUMBER OF PREPARING OFFICIAL | 14b. SIGNATURE |
|---|----------------|

15. DISTRIBUTION ADDRESSEES FOR COPIES

| | |
|-----------|--|
| 16. FROM: | 17. DISTRIBUTION ADDRESSEES FOR DISTRIBUTION |
|-----------|--|

| | |
|---------|---|
| 18. TO: | Use window envelope to mail this document. Insert Name and address, including ZIP Code, starting one typing space below the left dot. Each address line must NOT extend beyond right dot. Address must not exceed four single space typing lines. |
|---------|---|

19. IN ACCORDANCE WITH NOTICE OF DISCREPANCY ON FACE OF THIS FORM:

| | | |
|---|--|---|
| a. MATERIAL <input type="checkbox"/> HAS BEEN SHIPPED <input type="checkbox"/> WILL BE SHIPPED | DOCUMENT NUMBER | b. <input type="checkbox"/> NO RECORD OF SHIPMENT. RESUBMIT REPORT TO PROPER OFFICE UNDER |
| c. <input type="checkbox"/> AN ADJUSTMENT IN BILLING HAS BEEN/WILL BE PROCESSED AS A <input type="checkbox"/> CREDIT <input type="checkbox"/> DEBIT | d. <input type="checkbox"/> INVOICE/BILL ATTACHED e. <input type="checkbox"/> PROOF OF DELIVERY | |

f. AN ADJUSTMENT IN BILLING FOR THIS REPORTED DISCREPANCY WILL NOT BE PROCESSED FOR THE FOLLOWING REASON WHICH IS CITED IN THE INDICATED REGULATION

| (1) REASON FOR NOT PROCESSING | (2) PRESCRIBING REGULATION |
|---|---|
| (a) DISCREPANCY WAS NOT REPORTED WITHIN THE TIME FRAMES ALLOWED AND/OR | (a) CHAPTER 5 OF THE GSA HANDBOOK, DISCREPANCIES OR DEFICIENCIES IN GSA OR DOD SHIPMENTS, MATERIALS, OR BILLINGS (FPMR 101.26.8) |
| (b) DOLLAR VALUE DOES NOT MEET THE CRITERIA PRESCRIBED IN THE REGULATION OR AGREEMENT INDICATED IN 191(2) | (b) CHAPTER 2 AND/OR 7 OF DOD 4000.25.7.M, MILITARY STANDARD BILLING SYSTEM (MILBILLS) AND/OR DD 1513, U.S. DOD OFFER AND ACCEPTANCE, AS APPLICABLE |

20. THE FOLLOWING DISPOSITION IS TO BE MADE OF THE REFERENCED MATERIAL

| | | |
|--|--|------|
| a. <input type="checkbox"/> PROCESS FOR DISPOSAL IN ACCORDANCE WITH SERVICE/AGENCY DIRECTIVES | b. <input type="checkbox"/> REPRESENTATIVE WILL CALL FOR DISCUSSION CONCERNING DISPOSITION | DAYS |
| c. <input type="checkbox"/> RETAIN MATERIAL AT NO CHARGE | d. <input type="checkbox"/> MATERIAL WILL BE PICKED UP IN: | DAYS |
| e. <input type="checkbox"/> SHIP MATERIAL <i>Specify location</i> | | |
| (1) <input type="checkbox"/> GBL APPROPRIATION CHARGEABLE | | |
| (2) <input type="checkbox"/> CHARGES COLLECT - VIA: <input type="checkbox"/> FREIGHT <input type="checkbox"/> EXPRESS <input type="checkbox"/> PARCEL POST | | |
| (3) <input type="checkbox"/> PARCEL POST LABEL ATTACHED (4) <input type="checkbox"/> FREIGHT PREPAID | | |
| f. <input type="checkbox"/> OTHER <i>(Specify)</i> | | |

| | | |
|---|--|------|
| 21. <input type="checkbox"/> IF MATERIAL IS STILL REQUIRED, SUBMIT NEW REQUISITION. | 22. <input type="checkbox"/> REPLACEMENT WITH SATISFACTORY MATERIAL WILL BE MADE ON/OR BEFORE: | DATE |
|---|--|------|

23. REMARKS *(Continue on separate sheet of paper if necessary).*

| | | |
|---|----------------|-----------|
| 24a. TYPED OR PRINTED NAME AND PHONE NUMBER OF PREPARING OFFICIAL | 24b. SIGNATURE | 24c. DATE |
|---|----------------|-----------|

