

**STATEMENT OF WORK**  
**(IROAN)**  
**SOW-00-837-1-08407A-2/1**  
**FOR THE**  
**REFRIGERATOR-CONTAINER, FIELD**  
**NSN: 4110-01-107-9078**  
**TAMCN: B1710**  
**ID# 08407A**  
**8 OCTOBER 1999**

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STATEMENT OF WORK FOR THE  
REFRIGERATOR-CONTAINER, FIELD, 350 CUFT  
Inspect Repair Only As Necessary (IROAN)  
4110-01-107-9078

1.0 SCOPE. This Statement of Work (SOW) establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor in the IROAN effort of the

REFRIGERATOR-CONTAINER, FIELD, 350 CUFT, hereafter referred to as the REFRIGERATOR-CONTAINER. This document contains requirements to restore the Air Conditioner 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." National Stock Number (NSN) 4110-01-107-9078 shall be known as the Refrigerator-Container.

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-130	Identification Marking of U.S. Military Property
MIL-STD-2073-1C	DoD Standard Practice for Military Packaging

Military Standards (Guidance Only).

MIL-STD-973	Configuration Management
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2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

TM 08407A-13/1	Operation and Maintenance Refrigerator-Container, Field
	1
SL-4-08407A	Refrigerator-Container, Field Repair Parts List
TM 3080-50	Corrosion Control Procedures Depot Maintenance Activities for Marine Corps Equipment
TM-4750-15/2	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment
DOD 4000.25-M	MIL STRIP Manual

NAVICPINST 4491.2A                      Requisitioning of Contractor Furnished Materiel From  
The Federal Supply System

**2.3 Industry Standards.**

ANSI/EIA 625                                      Requirements for handling Electrostatic-Discharge  
Sensitive ESDS Devices

ANSI/ISO/ASQC Q9002-1994    Quality Systems

Copies of Military Specifications and Standards are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. 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 891), 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6753 or DSN 567-6753. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd., STE 20320, Albany, GA 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:

a. Provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and calibrate the Refrigerator-Container. Upon completion of IROAN, the subject item shall be Condition Code "A".

b. Provide all tools and test equipment required to test, inspect, repair and calibrate the Refrigerator-Container.

c. Conduct in-process and final on-site testing for witness by a Marine Corps Logistics Bases (MCLB), Albany, representative.

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**3.2 Detail Tasks.** The following tasks describe the different phases for IROAN of the Refrigerator-Container.

**3.2.1 Phase I- Pre-induction.** A pre-induction inspection analysis shall be performed for each Refrigerator-Container using the Contractor Facility's diagnosis, inspection and testing techniques and Marine Corps publications TM 08407A-13/1 and SL-4-08407A to determine extent of work and parts required. These findings shall be annotated on the Pre- Induction Checklist located, identified and provided to the government in accordance with Appendix A of this SOW.

**3.2.2 Phase II - IROAN.** After pre-induction tests and inspections have been completed, repair of the Refrigerator-Container shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist (Appendix A) 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. Pre-Induction Checklist (Appendix A) - Information recorded on the pre-induction checklist shall be used as a guide to repair the Refrigerator-Container in accordance with this SOW.

b. Data plate - Each repaired Refrigerator-Container shall have an IROAN data plate affixed to the main unit in close proximity to the existing data plate. The data plate shall meet the requirements of MIL-STD-130 and TM 4750-15/2.

c. 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, etc., in accordance with this SOW. 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.

d. Corrosion Control and Painting - Corrosion control preventatives shall be applied per TM-3080-50 and painting shall be accomplished per TM-4750-15/2.

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

a. Inspection, Testing and Acceptance of the Refrigerator-Container shall be conducted.

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b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are notified prior to completion the final acceptance. Acceptance tests shall be held at Contractor's facility.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB Albany, Georgia, (Code 837-1), representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. The operation Tests are to be conducted on each Refrigerator-Container, upon completion of repairs and prior to the equipment being returned to stock.

### 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 scheduled for long term storage or shipment to overseas destinations shall be packaged to the level "A" requirements of MIL-STD-2073-1C,

Method 10. Items being prepared for domestic shipment and immediate use shall be packaged to Level "B" requirements.

b. Marking 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 equipment to and from the Contractor.

### 3.3 Configuration Management.

3.3.1 Configuration Control. The contractor shall apply configuration control to established configuration items. The contractor shall not implement configuration changes to any item without receiving prior written authority from MCLBA (Code 837-1). If it is necessary to depart from the authorized configuration, the Contractor shall submit a Request for Deviation or Request for Waiver. MIL-STD-973 ( paragraph 5.4.3 or 5.4.4 and Appendix E) may be used as guidance.

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

3.5 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

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System Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include design, 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.

3.6 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. Final inspection and acceptance testing shall be conducted at the Contractor's Facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

3.7 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 the 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 822), 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 the Marine Corps assets.

3.8 Contractor Furnished Materiel (CFM). The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.21A). In the event that Contractor Furnished Materiel (CFM) is required for repair parts, the contractor shall requisition repair parts through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11 authorizes contractors to requisition through the DoD Supply System

3.9 Rejection Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, Albany, (Code 837-1) representative. The Contractor shall, at no additional cost, correct the deficiencies and repeat the verification..

**REFRIGERATOR-CONTAINER PRE-INDUCTION INSPECTION CHECKLIST**

REFRIGERATOR-CONTAINER SERIAL NUMBER \_\_\_\_\_

CONDITION CODE UPON RECEIPT \_\_\_\_\_

CORROSION PREVENTION METHODS TO BE USED \_\_\_\_\_

\_\_\_\_\_

REPAIR PARTS/ASSEMBLIES REQUIRED FOR REPAIRS

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**1999**

**8 OCTOBER**

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Appendix A

A-1



**CONTRACT DATA REQUIREMENTS LIST**  
(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER _____ <b>X</b>
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<b>D. SYSTEM/ITEM</b> Refrigerator-Container, Field	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> A002	<b>2. TITLE OF DATA ITEM</b> Request For Waiver	<b>3. SUBTITLE</b> Configuration Management
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-CMAN-80641B	<b>5. CONTRACT REFERENCE</b> SOW 3.3.1	<b>6. REQUIRING OFFICE</b> MCLBA (825)
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<b>7. DD 250 REQ</b> LT	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ	<b>12. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>		
<b>8. APP CODE</b>	<b>11. AS OF DATE</b> A	<b>13. DATE OF SUBSEQUENT SUBMISSION</b>	<b>a. ADDRESSEE</b>	<b>b. COPIES</b>		
				Draft	Final	
					Reg	Repro

<b>16. REMARKS</b> Blk 4 - Contractor format is authorized.  Blks 10 & 12 - RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation.  RFWs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.  RFWs shall be transmitted via E-Mail to the following address: mbmatcommconfigmgmnt@matcom.usmc.mil  Distribution Statement A: Approved for public release, distribution is unlimited	<b>MCLBA (825-2)</b>	0	1	0
<b>15. TOTAL</b>	→	0	1	0

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>G. PREPARED BY</b> Darius Jm	<b>H. DATE</b> 10-1-99	<b>I. APPROVED BY</b> Aerial R Hall	<b>J. DATE</b> 10/18/99
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