

SOW-00-837-1-09950A-2/1
30 JUNE 1999

STATEMENT OF WORK
FOR THE
STANDARDIZED
BARE BASE
LAUNDRY FACILITY
NSN 3510-01-165-6845
Inspect Repair Only As Necessary
(IROAN)

SOW-00-837-1-09950A-2/1

30 JUNE 1999

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.	2
2.4 Industry Standards.	2
3.0 REQUIREMENTS	3
3.1 General Tasks.	3
3.2 Detail Tasks.	3
3.2.1 Phase I - Pre-Induction	3
3.2.2 Phase II -IROAN	3
3.2.3 Phase III - Inspection, Testing and Acceptance	5
3.2.4 Phase IV - Packaging, Handling, Storage, and Transportation (PHS&T).	5
3.3 Configuration Management	6
3.3.1 Configuration Status Accounting (CSA)	6
3.3.2 Configuration Control.	6
3.4 Quality Assurance Provisions	6
3.5 Government Furnished Equipment /Government Furnished Materiel	6
3.6 Contractor Furnished Materiel (CFM)	7
3.7 Acceptance	7
3.8 Rejection	7
4.0 REPORTS	7
4.1 Repairable Item Inspection Report.	7
4.2 Monthly Progress Reports.	7
4.3 Pre-Induction Checklist.	8
Pre-Induction Checklist	Appendix A
List of Defective Parts and Assemblies.	Appendix B
List of Repair Parts and Assemblies Required for Repairs	Appendix C

30 JUNE 1999

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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 **Standardized Bare Base Laundry Facility**, hereafter referred to as the **Laundry unit**. These documents contain requirements to restore the **Laundry Unit** 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. Includes materiel with more than 6 months shelf-life remaining." National Stock Number (NSN) **3510-01-165-6845** shall be known as the **Laundry Unit, Bare Base**.

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-C-46168	Coating, Aliphatic Polyurethane, Chemical Agent Resistant.
MIL-C-53039	Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant.

2.2 MILITARY STANDARDS

MIL-STD-129	DoD Standard Practice for Military Marking
MIL-STD-130	Identification Marking of US. Military Property
MIL-STD-461	Requirements for the Control of Electromagnetic Interference Emission and Susceptibility.
MIL-STD-2073-1C	DoD Standard Practice for Military Packaging

MILITARY STANDARDS - (Guidance Only)

MIL-STD-973 Configuration Management

2.3 Other Government Documents and Publications. The following other Government documents, and publications form a part of this SOW to the extent specified herein.

DODD 4160.21-M-1 Defense Demilitarization Manual.

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

SL-3-09950A Field Laundry Unit

TM-09950A-14/1 M/S Laundry Facility, Std Bare Base

TM 09950A-14/1 M/S Laundry Facility, Std Bare Base, Ch00A

TM 09950A-14/1 M/S Laundry Facility, Std Bare Base, Supplement 1

TM 3080-12 Corroison Prevention and Control for Marine Corps Equipment

TM 3080-50 Corrosion Control Procedures Depot Maintenance Activities for
Marine Corps Equipment

TM 4700-15/1H Ground Equipment Record Procedures.

TM 4750-15/1 Painting and Registration Marking for Marine Corps Combat and
Tactical Equipment

TM 4750-15/2 Camouflage Paint Patterns

2.4 Industry Standards.

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 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) Attn: Contracting Officer, 814 Radford Blvd.,

SOW-00-837-1-09950A-2/1

30 JUNE 1999

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, 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:

a. Provide materials, labor, facilities, missing parts, and repair parts necessary to inspect, diagnose, restore, and test the **Laundry Unit**. Upon completion of IROAN, repaired equipment shall be Condition Code "A."

b. Provide all tools and test equipment required to test, inspect, repair, and calibrate the **Laundry Unit**.

c. Conduct in-process and final on-site testing for witness by an MCLB, Albany, representative.

d. Be responsible for all structural, electrical and mechanical requirements associated with the restoration of the **Laundry Unit**.

3.2 Detail Tasks. The following tasks describe the different phases for IROAN of the **Laundry Unit**.

3.2.1 Phase I - Pre-induction. A pre-induction inspection analysis shall be performed for each **Laundry Unit** using the Contractor's diagnosis, inspection and testing techniques to determine extent of work and parts required. This inspection shall included all items associated with the **Laundry Unit** as found in TM 09950-A14/1 M/S and SL-3-099550A. These findings shall be annotated on a Pre-Induction Checklist (Appendix A) and shall be provided to the government in accordance with Paragraph 4.0 of this SOW.

3.2.2 Phase II - IROAN. After pre-induction tests and inspections have been completed, repair of the **Laundry Unit** shall be accomplished 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 mandatory parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Pre-Induction Checklist - Information recorded on the Pre-Induction Checklist report shall be used as a guide to repair the **Laundry Unit** system in accordance with this SOW.

b. Technical Instruction (TI) - All TI's not previously applied to the **Laundry Unit** shall be applied during the IROAN and shall be annotated on Equipment Record Jacket in accordance with TM 4700-15/1H.

30 JUNE 1999

c. Corrosion - For corrosion prevention and treatment use TM 3080-12 and TM 3080-50.

d. Fluid Leaks - The following shall be used as a guide in determining degree of fluid loss:

(1) Class I - Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops.

(2) Class II - Leakage of fluid great enough to form drops, but not enough to cause drops to fall from the item being checked/inspected.

(3) Class III - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

NOTE:

A Class I Leak, except in fuel or brake systems, is an acceptable condition at any time and does not require corrective action.

e. Belts - Replace all.

f. Data Plates - All required data plates and decals shall be in place and shall be legible. Each repaired **Laundry Unit** 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.

g. Painting/Coating (Exterior/Interior) - If painting/coating is required, refer to TM 4750-15/1 and TM 4750-15/2. The **Laundry Unit** shall be cleaned in accordance with TM 3080-50, Chapter 4, and coated with Aliphatic Polyurethane Coating, in accordance with MIL-C-46168 or MIL-C-53039.

h. Demilitarization - All end items that are identified as non-repairable and require demilitarization codes, shall be reported to the Marine Corps Logistics Bases representatives Code 837-1, who will provide disposition instructions in accordance with DODD 4160.21-M-1.

i. Electromagnetic Emission - All requirements pertaining to control of electromagnetic interference, emission and susceptibility shall be in accordance with MIL-STD-461.

j. 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 TM 09950A-14/1 M/S and SL-3-09950A. Unserviceable would include any of the above that failed to function properly.

30 JUNE 1999

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

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

k. Hoses - All hoses and fittings shall be visually inspected for damage or deterioration. Any hose showing signs of leakage, kinking or separation of outer coating shall be replaced. This inspection shall be performed during the Pre-induction inspection of the **Laundry Unit**.

l. Cable Assemblies - All cables and cable connections shall be tested and visually inspected for damage or corrosion. Any cable or cable connector showing signs of damage, corrosion or separation of outer coating shall be repaired/replaced and tested with it's respective component/assembly to assure satisfactory compliance with all operational test

m. Filters - Replace all.

3.2.3 Phase III - Inspection, Testing and Acceptance

a. Inspection, Testing and Acceptance of the **Laundry Unit** shall be conducted in accordance with TM 099050A-14/1 M/S.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance tests shall be held at the Contractor facility. MCLB, Albany, Georgia, representatives shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts, components, etc., not required for the test.

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

d. Acceptance testing on all **Laundry units** repaired under the provisions of this SOW shall be accomplished in accordance with TM 09950A-14/1 M/S. Operational Tests are to be conducted on each **Laundry Unit** upon completion of repairs and prior to the equipment being returned to stock, to insure the unit will perform as required.

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

a. The contractor shall be responsible for the preservation and packaging of items being repaired under the terms of this statement of work. Items being prepared for long term storage or shipment to overseas destinations shall be Level "A" in accordance with MIL-STD-2073-1C, Method 10. Items being prepared for domestic shipment shall be packaged and preserved to Level "B" requirements.

30 JUNE 1999

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 the transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Configuration Management

3.3.1 Configuration Status Accounting (CSA).

a. The Contractor shall record and submit data on retrofit accomplished during Phase II. Any approved Modification Instructions (MIs) or Engineering Change Proposals (ECP's) shall be applied during Phase II of the IROAN process.

b. The Contractor shall determine the application status of approved configuration changes by visual inspections to the extent possible. The government will identify the configuration changes to be inspected by furnishing a Configuration Inspection Checklist to the Contractor. The Contractor shall use one checklist per **Laundry Unit** to record their inspection findings along with other required data.

c. The Contractor shall record serial numbers of the assemblies listed on the Configuration Inspection Checklist. The Contractor shall record the information on the same form that was used to record the application status of configuration changes.

3.3.2 Configuration Control. The performance requirements for the **Laundry Unit** is under formal configuration control. Any configuration changes affecting performance shall be documented by the Contractor submitting Request for Deviations or Request for Waivers. MIL-STD-973, paragraphs 5.4.3, 5.4.4, and Appendix E shall be used as a guide in preparing these requests. The Contractor shall not implement any design/performance changes without receiving authorization from the contracting authority.

3.4 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 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. The Contractor shall provide an Inspection and Test Plan.

30 JUNE 1999

3.5 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 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/G316-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in 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.

3.6 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.

3.7 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 inspection at all reasonable hours. Final inspection and acceptance testing shall be conducted at the Contractor. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

3.8 Rejection

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, provide the following:

- a. Develop an approach for modification or correction of all deficiencies.
- b. Upon approval of a documented approach, the Contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

30 JUNE 1999

4.0 REPORTS

4.1 Repairable Item Inspection Report. The Contractor shall provide a Repairable Item Inspection Report for each **Laundry Unit**. The report shall be identified by United States Marine Corps Serial Number.

4.2 Monthly Progress Reports. The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the IROAN Program.

4.3 Pre-Induction Checklist. The Contractor shall complete the Pre-Induction Inspection Checklist for each **Laundry Unit** repaired. These documents shall be available during final acceptance testing. One copy of each document shall be provided to MCLB, Albany, Georgia, Code 837-1, after final acceptance of the **Laundry Unit**.

a. The inspection checklist shall contain, but not be limited to the following:

- (1) **Laundry Unit** serial number. Appendix A
- (2) Condition Code of **Laundry Unit** at receipt. Appendix A
- (3) Results of operational test. Appendix A
- (4) List of defective parts and assemblies. Appendix B
- (5) List of repair parts and assemblies required for repairs. Appendix C
- (6) Corrosion prevention methods that shall be used. Appendix A

Serial number: _____ Condition Code at receipt: _____

Results of operational test:

List of defective parts and assemblies. Appendix B

List of repair parts and assemblies required for repairs. Appendix C

Corrosion prevention methods that shall be used.

Inspect all components for operating/malfunction/defective parts per TM 09950A-14/1 M/S.
Visually check components for leaks, damage, loose parts & hardware. No disassembly of
components is allowed unless the component is determined to be defective.

COMPONENTS:	PASS	FAIL	REMARKS:
LAUNDRY FACILITY BARE BASE	_____	_____	_____
MAIN PLATFORM ASSEMBLY, (SEE FIGURE 7-2)	_____	_____	_____
STORAGE BIN ASSEMBLY, (SEE FIGURE 7-3)	_____	_____	_____
LAUNDRY WASHER ASSEMBLY, (SEE FIGURE 7-4)	_____	_____	_____
LAUNDRY WASHER ASSEMBLY, (SEE FIGURE 7-7)	_____	_____	_____
CLAMP ASSEMBLY, (SEE FIGURE 7-13)	_____	_____	_____
COUPLINGS	_____	_____	_____
COUPLING HALF, QUICK DISCONNECT,	_____	_____	_____
CAM-LOCKING ALL ENDS PLUG, SQ HD,	_____	_____	_____
ELBOW, ST BRASS	_____	_____	_____
BUSHING, BRASS,	_____	_____	_____
COMPRESSOR UNIT, RECIPROCATING, (SEE FIGURE 7-14)	_____	_____	_____
CONTROLLER AND	_____	_____	_____

COMPONENTS:

PASS FAIL REMARKS:

TIE DOWN CLIP ASSEMBLY

BAR, TIE DOWN CLIP

LEG, TIE DOWN CLIP

PLATFORMS

WATER PUMP ASSEMBLY

WATER PUMP ASSEMBLY

FRAME, AL-ALY

SWITCH BOX ASSEMBLY

COVERS

COVER,BOX,FRONT

PUMP UNIT

BRACKET

MOTOR, ALTERNATING

CAP,

COUPLING HALF,

NIPPLE, PIPE

HOSE CONNECTION ASSEMBLY

SUCTION STRAINER ASSEMBLY

COUPLING, QUICK DISCONNECT

SUCTION HOSE ASSEMBLY

COUPLING, HALF

HEATER INTAKE HOSE ASSEMBLY

WASHER, INTAKE HOSE ASSEMBLY

HOSES, WATER,

CLOTHES BIN DISCHARGE HOSE

EXTRACTOR DISCHARGE HOSE

ASSEMBLY

PUMP TIE DOWN ASSEMBLY

CATCH, FIXED ASSEMBLY

CATCH, ADJUSTABLE

PLATFORM ASSEMBLY

DRYER ASSEMBLY

BLOWER ASSEMBLY,

(SEE FIGURE 7-35)

HOSE ASSEMBLIES

BURNER TUMBLER ASSEMBLY,

(SEE FIGURE 7-36)

SWITCHES, SENSITIVE

COVER

LIGHT, INDICATOR,

ALARM,BUZZER

BUZZER,

DOOR ASSEMBLY

CHAIN, WELDLESS

TIMER, SEQUENTIAL

PLATE, INDENT

LABEL, CAUTION

LABEL, WARNING

ARROW

HANDLE, DOOR

RING ASSEMBLY

FRONT SHELL ASSEMBLY,

(SEE FIGURE 7-39)

SOW-837-1-09950A-14/1
30 JUNE 1999

PRE-INDUCTION CHECKLIST

Appendix A

COMPONENTS:

COUPLING
STAND, CLOTHES BIN
CASTOR
PLATFORM
POWER CABLE ASSEMBLY
BODY
SHIELD, ELECTRICAL
CABLE

PASS FAIL REMARKS:

PASS	FAIL	REMARKS:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

