STATEMENT OF WORK (SOW)
For the Rebuild of the Multicoupler, UHF
NSN 5985-01-301-5639
P/N: 10527041; CAGE: 56161

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A	DA Form 2404 (1 Apr 79) Equipment Inspection and Maintenance Worksheet

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1.0 Scope

This Statement of Work (SOW) establishes and sets forth tasks and identifies the work effort that shall be performed by the Contractor to rebuild the Multicoupler, UHF, National Stock Number (NSN) 5985-01-301-5639, P/N 10527041, CAGE 56161. (For purposes of this SOW, Contractor is defined as the commercial or government entity performing the rebuild.) This document contains requirements to rebuild the Multicoupler, UHF 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

Rebuild is defined as "That maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through a maintenance technique or complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts/elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the item."

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-81309	Corrosion Preventive Compounds, Water Displacing, Ultra Thin Film

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.

247892-720	Test Specification
247892-750	Test Procedures
SL-4-09999A	Repair Parts For Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36
TM 09999A-14/1	System Manual, Volume 1, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36
TM 09999A-14/1	System Manual, Volume 2, Parts 1 and 2, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

2.4 Industry Standards

JESD625-A	Requirements for Handling Electrostatic-Discharge-Sensitive (ESDS) Devices
ANSI/ISO/ASQC Q9003-1994	Quality Systems Model for Quality Assurance in Final Inspection and Test

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, Marine Corps Logistics Bases, (Code 890) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639-6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Commander (Code 851-3), Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, 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 Multicoupler, UHF. Upon completion of rebuilding the subject item it shall be Condition Code "A".

3.2Detail Tasks. The following tasks describe the different phases for rebuild of the Multicoupler, UHF:

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

3.2.1 Phase I (Pre-Induction). A pre-induction inspection analysis shall be performed for each Multicoupler, UHF within 5 working days of induction into the Contractor's facility for evaluation of rebuild capability. If rebuild is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Logistics Base (Code 843-2), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the rebuild cycle. Equipment Inspection and Maintenance Worksheet DA-2404 (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 (Rebuild). After pre-induction tests and inspections have been completed, rebuild of the Multicoupler, UHF shall be accomplished in accordance with this SOW. Deficiencies noted on the Equipment Inspection and Maintenance Worksheet DA-2404 (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 rebuild.

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. The Contractor shall use appropriate technical documentation to restore the Multicoupler, UHF to condition code "A."

c. The following Standards and Publications shall be used to assist the Contractor:

MIL-C-81309	Corrosion Preventive Compounds, Water Displacing, Ultra Thin Film
247892-720	Test Specifications
247892-750	Test Procedures
SL-4-09999A	Repair Parts For Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36
TM 09999A-14/1	System Manual, Volume 1, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36
TM 09999A-14/1	System Manual, Volume 2, Parts 1 and 2, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36

3.2.3 <u>Phase III (Inspection, Testing and Acceptance)</u>

a. Inspection, Testing and Acceptance of the Multicoupler, UHF shall be conducted in accordance with the documents and TM's listed in section 3.2.2.c and documentation available from or retained by the manufacturer.

b. The Contractor shall be responsible for conducting required tests in accordance with applicable procedures and specifications.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 843-2), 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 <u>Phase IV (Packaging, Handling, Storage and Transportation (PHS&T))</u>

a. The contractor shall be responsible for preservation and packaging of items being rebuilt under the terms of this statement of work. Items scheduled for long term storage or shipment to overseas destinations shall be in accordance with the level A requirements of MIL-STD-2073-1D, Table VI, Electronic Equipment. Items scheduled for immediate use domestic shipment, 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 rebuilt equipment. The Contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for costs associated with shipping the subject equipment to and from the Contractor.

3.3 Government Furnished Equipment (GFE)/Materiel (GFM) Accountability

a. 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), Marine Corps Logistics Bases, Albany, Georgia, (MCA/Code 827-2), will coordinate required GFE and will maintain a central control system on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature to establish a chain of custody and property responsibilities for the Marine Corps assets.

b. Upon receipt of GFM, a copy of the DD-Form-1348 is to be signed and forwarded to the MCA (MCA/Code 827-2) for accountability purposes.

3.4 Contractor Furnished Material. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Material (NAVICPINST 4491.2A). In the event Contractor Furnished Material (CFM) 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 Q9003-1994, Quality System Model for Quality Assurance in Final Inspection and Test. 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 of the work. 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 843-2, 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 prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and 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

4.1 Equipment Inspection and Maintenance Worksheet The Contractor shall complete the Equipment Inspection and Maintenance Worksheet (Appendix A), DA-2404 for each Multicoupler, UHF being repaired. The deficiencies shall appear in Column c of this form. Column d must be completed in accordance with paragraph 4.2. This form should accompany the equipment during the rebuild process. The report shall be identified by United States Marine Corps Serial Number.

4.2 Final Inspection. The Contractor shall complete column d of the Equipment Inspection and Maintenance Worksheet for each Multicoupler, UHF after each deficiency is repaired. The completed document shall be available prior to final acceptance testing. One copy of the document shall be provided to Life Cycle Management Center, Attn: Code 843-2, 814 Radford Blvd., Suite 20320, Albany, GA 31704-0320, after final acceptance of the Multicoupler, UHF.

4.3 Progress Report The Contractor shall provide a Progress Report by serial number in the contractors format summarizing the progress and status of the Multicoupler, UHF. This report should be submitted 60 days after the first deficiency is noted on the Equipment Inspection and Maintenance Worksheet. Subsequent submissions shall be within 10 days after the last business day of each month. One hard copy of this document is to be provided to Life Cycle Management Center, Attn: Code 843-2, 814 Radford Blvd., Suite 20320, Albany, GA 31704-0320.

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

1. ORGANIZATION					2. NOMENCLATURE AND MODEL	
3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION

7. APPLICABLE REFERENCE			
TM NUMBER	TM DATE	TM NUMBER	TM DATE

COLUMN a – Enter TM item number.

COLUMN b – Enter the applicable condition status symbol.

COLUMN c – Enter deficiencies and shortcomings.

COLUMN d – Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e – Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" – Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X" – Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "(-)" – Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)" – Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL - Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE *(Person(s) performing inspection)*	8b. TIME	9a. SIGNATURE *(Maintenance Supervisor)*	9b. TIME	10. MANHOURS REQUIRED

TM ITEM NO. *a*	STATUS *b*	DEFICIENCIES AND SHORTCOMINGS *c*	CORRECTIVE ACTION *d*	INITIAL WHEN CORRECTED *e*

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

CONTRAC DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of informat 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. Se 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 Operati s 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 mply 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 Cont PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ___ TM ___ OTHER ___ X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Multicoupler, UHI		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Contractor's Progress, Status, and Management Report	Management

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80227	SOW 4.3	MCLBA (843)

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT		MTHLY	See Blk 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A		See Blk 16

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
MCLBA (843-2)	0	1	0
15. TOTAL →	0	1	0

16. REMARKS

Contractor format is authorized.

Blk 4 - Tailor DI-MGMT-80227 as follows: Delete paragraphs 10.3g, 10.3h, 10.3i, 10.3j, 10.3k, and 10.3 .

Blk 12 - The reporting period shall be from the first to last business day of each month. Initial submission sha be 60 DAC.

Blk 13 - Subsequent submissions shall be 10 days after the last business day of each month.

Distribution Statement A: Approved for public release, distribution is unlimited.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Ronnie M. Bach	1/29/01	William J. [signature]	1-30-01

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CONTRACT DA 'A REQUIREMENTS LIST

(1 Data Item)

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A. CONTRACT LINE ITEM NO.	B EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX	
D. SYSTEM/ITEM Multicoupler, UHF	E. CONTRACT/PR No.	F. CONTRACTOR	
1. DATA ITEM No. A002	2. TITLE OF DATA ITEM Requ st for Deviation (RFD)	3. SUBTITLE Configuration Management	17. PRICE GROUP
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640 C	5. CONTRACT REFERENCE SOW 3.9	6. REQUIRING OFFICE MARCORLOGBASES 851	18. ESTIMATED TOTAL PRICE
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION See Blk 16
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	FINAL Reg	FINAL Repro
MCLBA (851-2)	0	1	0

16. REMARKS

Block 4: Contractor format usin .doc or .pdf software is authorized.

Blocks 10 & 12: RFDs shall be s bmitted to obtain authorization to deliver nonconforming material which c es not meet the prescribed configuration documentation.

RFDs will be reviewed and disp sition determined within 20 working days upon receipt by the government.

RFDs shall be transmitted via e- ail to the following address: mbmatcomconfigmngmnt@mat m.usmc.mil

Distribution Statement A: Appr ed for public release, distribution is unlimited.

15. TOTAL

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Gene Collins	APR 26 2000	William L. Ryan	1/30/01

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