

SOW-00-847-3-8F921B-1/1

Date: 21 December 1999

**STATEMENT OF WORK (SOW)  
For the Rebuild of the  
Circuit Card Assembly for the AN/MSC-63A  
NSN 5998-01-377-8867  
P/N: 005-032144; CAGE: 55137**



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STATEMENT OF WORK FOR THE  
**Repair of CIRCUIT CARD ASSEMBLY**  
**for the AN/MSC-63A**  
**NSN: 5998-01-377-8867**

1.0 SCOPE. This document contains requirements to restore the Circuit Card Assembly for the AN/MSC-63A, NSN 5998-01-377-8867, Part Number 005-032144, CAGE 55137 to Condition Code "A". Condition Code "A" is defined as "serviceable/issueable without qualification, new, used, repaired or reconditioned materiel that is serviceable and issueable to all customers without limitation or restriction, including materiel with more than 6 months shelf-life remaining".

1.1 This Statement of Work (SOW) identifies the work effort including repair, testing, and packaging/marketing requirements that shall be performed by the contractor to rebuild the Circuit Card Assembly, NSN 5998-01-377-8867, Part Number 005-032144, Cage 55137.

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-2073-1C                DoD Standard Practice for Military Packaging

Military Standards (Guidance Only)

MIL-STD-973                      Configuration Management

2.2 Military Specifications

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

DoD 4000.25-1-M                MILSTRIP Manual

NAVICPINST 4491.2A            NAVICP Instruction Requisitioning of Contractor  
Furnished material from the Federal Supply System

2.3 Other Government Documents and Publications

TM-07737B-24&P/3	System Organizational and Intermediate Maintenance Manual with Parts List for the Communications Central AN/MSC-63A
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2.4 Industry Standards

ANSI/EIA-625	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
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ANSI/ISO/ASQC Q9003-1994	Quality Systems
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Copies of Military Specifications and Standards are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 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 Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd. Suite 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 provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and calibrate the CCA. 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 CCA:

- |           |   |
|-----------|---|
| Phase I   | Pre-Induction   |
| Phase II  | Repair  |
| Phase III | Inspection, Testing and Acceptance                      |
| Phase IV  | Packaging, Handling, Storage and Transportation (PSH&T) |

3.2.1 Phase I (Pre-Induction). A pre-induction inspection analysis shall be performed for each CCA within 5 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 (Code 847-3), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. The Pre-induction Checklist, which consist of Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) 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 CCA 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 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, turn to lock fasteners, mandatory replacement items, safety, and one-time use items. Unserviceable would include any of the above that failed to function properly. Incorporate any current Engineering Change Proposals (ECPs) or Modification Instructions (MIs).

(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 the technical documentation listed in 3.2.2.c to restore the CCA to condition code "A". Condition code "A" is discussed in paragraph 1.1.

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

MIL-C-81309	Corrosion Preventive Compounds, Water Displacing, Ultra Thin Film
TM-07737B-24&P/3	System Organizational and Intermediate Maintenance Manual with Parts List for the Communications Central AN/MSC-63A

3.2.3 Phase III (Inspection, Testing and Acceptance)

a. Inspection, Testing and Acceptance of the CCA shall be conducted in accordance with the Military Specification and Technical Manual listed in section 3.2.2.c and documentation 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 847-3), 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 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 preserved and packaged in accordance with level "A" requirements of MIL-STD-2073-1C, Appendix J, Table J.Ia., Specialized Preservation Code "GX". Items being prepared for domestic shipment or immediate use shall be to level "B" requirements. All items subject to electrostatic sensitivity shall be packed into a reusable fast pack container.

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 rebuilt 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).

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during the 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/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 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 from the Weapon System/Equipment Manager (Code 847-3). If it is necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request for Deviation/Request for Waiver. MIL-STD-973 (paragraph 5.4.3 or 5.4.4 and Appendix E) may be used as a guide.

3.5 Contractor Furnished Materiel. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event 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.

3.6 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.

3.7 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 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.

3.8 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.

3.9 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB Code 847-3, 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.

#### 4.0 Reports

4.1 Pre-Induction Checklist. The Contractor shall complete the Pre-Induction Inspection Checklist (Appendix A and Appendix B) for each CCA repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCLB (Code 847-3) Albany, Georgia, after final acceptance of the CCA.

4.2 Repairable Item Inspection Report. The Contractor shall provide a Repairable Item Inspection Report for each CCA. The report shall be identified by United States Marine Corps Serial Number.

4.3 Monthly Progress Reports. The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the CCA Program.

**INSTRUCTIONS**

DEPARTMENT OF DEFENSE: DLAR 4140.55/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)				1. DATE OF PREPARATION		2. REPORT NUMBER		
SHIPPING _____ PACKAGING _____								
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 <i>(GBL, Waybill, TCN, etc.)</i>		
7a. SHIPPER'S NUMBER <i>(Purchase Order/Shipment, Contract, etc.)</i>		7b. OFFICE ADMINISTERING CONTRACT		8. REQUISITIONER'S NUMBER <i>(Requisition, Purchase Request, etc.)</i>				
9. SHIPMENT, BILLING, AND RECEIPT DATA						10. DISCREPANCY DATA		11. ACTION CODE
NSN/PART NUMBER AND NOMENCLATURE <i>(a)</i>		UNIT OF ISSUE <i>(b)</i>	QUANTITY SHIPPED/BILLED <i>(c)</i>	QUANTITY RECEIVED <i>(d)</i>	QUANTITY <i>(e)</i>	UNIT PRICE <i>(b)</i>	TOTAL COST <i>(c)</i>	

12. REMARKS *(continue on separate sheet of paper if necessary)*

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

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 ADDRESSES 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:

<input type="checkbox"/> HAS BEEN <input type="checkbox"/> WILL BE SHIPPED		DOCUMENT NUMBER	<input type="checkbox"/> NO RECORD OF SHIPMENT. RESUBMIT REPORT TO PROPER OFFICE UNDER APPROPRIATE REGULATION.
<input type="checkbox"/> AN ADJUSTMENT IN BILLING HAS BEEN/WILL BE PROCESSED AS A	<input type="checkbox"/> CREDIT <input type="checkbox"/> DEBIT	<input type="checkbox"/> INVOICE/BILL ATTACHED	<input type="checkbox"/> PROOF OF DELIVERY (Parcel Post Shipments) OR EVIDENCE

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 101.25.8)
(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

<input type="checkbox"/> PROCESS FOR DISPOSAL IN ACCORDANCE WITH SERVICE/AGENCY DIRECTIVES	<input type="checkbox"/> REPRESENTATIVE WILL CALL FOR DISCUSSION CONCERNING DISPOSITION	DAYS
<input type="checkbox"/> RETAIN MATERIAL AT NO CHARGE	<input type="checkbox"/> MATERIAL WILL BE PICKED UP IN	DAYS

SHIP MATERIAL *Specify location*

(1)  GBL APPROPRIATION CHARGEABLE:

(2)  CHARGES COLLECT - VIA:  FREIGHT  EXPRESS  PARCEL POST

(3)  PARCEL POST LABEL ATTACHED (4)  FREIGHT PREPAID

*(3 \_\_\_\_\_ postage advance herewith. NOTE: Please enclose postage. Material cannot be returned Parcel Post collect.)*

OTHER (Specify)

<input type="checkbox"/> IF MATERIAL IS STILL REQUIRED, SUBMIT NEW REQUISITION	<input type="checkbox"/> REPLACEMENT WITH SATISFACTORY MATERIAL WILL BE MADE ON/OR BEFORE	DATE
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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
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**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 <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> AN/MS-63A Circuit Card Assembly	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> C002	<b>2. TITLE OF DATA ITEM</b> Request For Deviation	<b>3. SUBTITLE</b> Configuration Management
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-CMAN-80640B	<b>5. CONTRACT REFERENCE</b> SOW 3.4	<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> A		<b>11. AS OF DATE</b>	<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 - RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation.  RFDs will be reviewed and disposition determined within 20 calendar days upon receipt by the Government.  RFDs shall be transmitted via E-Mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil  Distribution Statement A: Approved for public release; distribution is unlimited.	<b>14. DISTRIBUTION</b>				
	MCLBA (825-2)	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> <i>Wm J Buckley</i>	<b>H. DATE</b> 12-20-99	<b>I. APPROVED BY</b> <i>Wm J Buckley</i>	<b>J. DATE</b> 3 JAN 00
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