

Date: 14 January 2002

STATEMENT OF WORK (SOW)

**For the IROAN of the
PROM/RAM TYPE 6 CCA
NSN: 5998-01-334-9366
P/N: 247687-101; CAGE: 13973**

SOW-04-C4I-8E099B-2/1

1. This SOW identifies the work effort that shall be performed by the Contractor to IROAN the PROM/RAM TYPE 6 CCA; NSN 5998-01-334-9366; P/N 247687-101; CAGE 13973.

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**STATEMENT OF WORK FOR THE
Inspect Repair Only As Necessary (IROAN) of
PROM/RAM TYPE 6 CCA
5998-01-334-9366
P/N: 247687-101; CAGE: 13973**

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 PROM/RAM TYPE 6 Circuit Card Assembly (CCA), 5998-01-334-9366. The PROM/RAM TYPE 6 CCA, Drawing Number 247687, CAGE 13973, is a component of the Tactical Air Operations Module (TAOM), AN/TYQ-23(V)1. This document contains requirements to restore the PROM/RAM TYPE 6 CCA 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 |

2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

| | |
|------------------------|--|
| TM-08565A-24P/9 | AN/TYQ-23(V)1 Illustrated Parts Breakdown Manual |
| 247687, CAGE 13973 | Assembly Drawing, PROM/RAM TYPE 6 CCA |
| 247687, CAGE 13973 | Parts List, 32K x 32K Prom High Density CCA |
| 247687-720, CAGE 13973 | Engineering Drawing, Test Specifications |
| DoD 4000.25-1-M | MILSTRIP Manual |

Military Handbooks (For Guidance)

MIL-HDBK-61 Configuration Management

2.3 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, 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: Contracts Department (Code 891), P.O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Bases, 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, Georgia 31704-0320, 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 PROM/RAM TYPE 6 CCA. Upon completion of repair, the subject item shall be Condition Code "A".

3.2 Detail Tasks. The following tasks describe the different phases for repair of the PROM/RAM TYPE 6 CCA:

| | |
|-----------|---|
| 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). A pre-induction inspection analysis shall be performed for each

PROM/RAM TYPE 6 CCA 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 C4I), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. The Pre-Induction Checklist (Appendix A) shall be used to report all anomalies and shall be provided to MCSC, (Code C4I), Albany, Georgia and/or their representative 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 PROM/RAM TYPE 6 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, 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 3 of this SOW, the Contractor may use the following documents:

| | |
|------------------------|--|
| 247687, CAGE 13973 | Assembly Drawing, PROM/RAM TYPE 6 CCA |
| 247687, CAGE 13973 | Parts List, 32K x 32K Prom High Density CCA |
| 247687-720, CAGE 13973 | Test Specifications |
| TM-08565A-24P/9 | AN/TYQ-23(V)1 Illustrated Parts Breakdown Manual |

3.2.3 Phase III (Inspection, Testing and Acceptance).

a. Inspection, Testing and Acceptance of the PROM/RAM TYPE 6 CCA shall be conducted in accordance with the documents and TM listed in paragraph 3.2.2.b.

b. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC, Code C4I, 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 scheduled for long-term storage or shipment to overseas destinations shall be in accordance with the level "A" requirements of MIL-STD-2073-1D, Appendix J, and Table J.Ia., Specialized Preservation Code "GX". Items scheduled for domestic shipment for immediate use or short-term storage shall be to level "B" requirements. This item is subject to electrostatic discharge shall be packed into a reusable fast pack container.

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 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 573-2) 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 (Materiel Management Department, Management Control Activity, (Code 573-2), 814 Radford Blvd., STE 20320, Albany, GA 31704-0320) or faxing (commercial 229-639-5498 or DSN 567-5498) a copy of the DD1348).

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 Q9003-1994, Quality Systems-Model for Quality Assurance in Final Inspection and Test. The program shall ensure quality throughout all areas to include processing, assembly, inspection, testing, 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, MCSC (Code C4I), 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 C4I), 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 C4I), Albany, GA representative. The Contractor shall, at no additional cost to MCLB, 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. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

4.0 Reports. All report deliverables shall be submitted in hard copy to Commander Marine Corps Systems Command (Code C4I), 814 Radford Blvd., Suite 20343, Albany, Georgia 31704-0343, unless directed otherwise in a Contract Data Requirements List.

4.1 Pre-Induction Checklist. The Contractor shall complete the Pre-Induction Inspection Checklist, (Appendix A) for each PROM/RAM TYPE 6 CCA repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCSC (Code C4I), Albany, Georgia within 30 days after final acceptance of the PROM/RAM TYPE 6 CCA.

4.2 Test/Inspection Report. The Contractor shall provide a Test/Inspection for each PROM/RAM TYPE 6 CCA.

4.3 Repairable Item Inspection Report. The Contractor shall provide a Repairable Item Inspection Report for each PROM/RAM TYPE 6 CCA. The report shall be identified by United States Marine Corps Serial Number.

4.4 Monthly Progress Report. The Contractor shall provide a Monthly Progress Report summarizing the progress and status of the PROM/RAM TYPE 6 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) 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 (GBL, Waybill, TCN, etc.) | | | | | | | | | | | | | | | | | |
| 7a. SHIPPER'S NUMBER (Purchase Order/Shipmet, Contract, etc) | 7b. OFFICE ADMINISTERING CONTRACT | | 8. REQUISITIONER'S NUMBER (Requisition, Purchase Reque etc.) | | | | | | | | | | | | | | | | | |
| 9. SHIPMENT, BILLING, AND RECEIPT DATA | | | 10. DISCREPANCY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>NSN/PART NUMBER AND NOMENCLATURE (a)</th> <th>UNIT OF ISSUE (b)</th> <th>QUANTITY SHIPPED/BILLED (c)</th> <th>QUANTITY RECEIVED (d)</th> <th>QUAN-TITY (a)</th> <th>UNIT PRICE (b)</th> <th>TOTAL COST (c)</th> <th>I CODE (d)</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> </tbody> </table> | | | NSN/PART NUMBER AND NOMENCLATURE (a) | UNIT OF ISSUE (b) | QUANTITY SHIPPED/BILLED (c) | QUANTITY RECEIVED (d) | QUAN-TITY (a) | UNIT PRICE (b) | TOTAL COST (c) | I CODE (d) | | | | | | | | | 11. _____ | |
| NSN/PART NUMBER AND NOMENCLATURE (a) | UNIT OF ISSUE (b) | QUANTITY SHIPPED/BILLED (c) | QUANTITY RECEIVED (d) | QUAN-TITY (a) | UNIT PRICE (b) | TOTAL COST (c) | I CODE (d) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 12. REMARKS (continue on separate sheet of paper if necessary) | | | | | | | | | | | | | | | | | | | | |

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

| | |
|---|----------------|
| 13. FUNDING AND ACCOUNTING DATA | |
| 14a. TYPED OR PRINTED NAME, TITLE, AND PHONE NUMBER OF PREPARING OFFICIAL | 14b. SIGNATURE |
| 15. DISTRIBUTION ADDRESSEES FOR COPIES | |

Appendix A

| | |
|-----------|--|
| 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 | 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 B) |
| (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> | | (\$ <table border="1" style="width:50px; height: 20px; border-collapse: collapse;"></table> |

| | | |
|---|---|------|
| 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 |
|--|---------------|----------|

