15 January 2003

STATEMENT OF WORK (SOW)
for the
Restoration, Overhaul, and Repair (ROR)
of the
SET-15 Antenna-Transmitter Group
OE-442/TPS-59
NSN 5840-01-259-2908

SOW-04-C4I-09088A-1/1

1. This SOW identifies the work effort that shall be performed by the Contractor to perform the Restoration, Overhaul, and Repair (ROR) of the AN/TPS-59(V)3 SET-15 Antenna-Transmitter Group, OE-442/TPS-59, NSN 5840-01-259-2908, part number 7327847G3, CAGE 03538.

2. The attached manuscript has been reviewed and is concurred upon by the following persons:

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1.0 Scope. This SOW establishes general and specific requirements to be followed by the contractor in the Restoration, Overhaul, and Repair (ROR) of the AN/TPS-59(V)3 SET-15 Antenna-Transmitter Group, OE-442/TPS-59, NSN 5840-01-259-2908, part number 7327847G3, CAGE 03538, (hereafter referred to as the "SET-15").

1.1 Definitions

Contractor: For the purposes of this SOW, Contractor is defined as a commercial or government entity.

Condition Code "A": For the purposes of this SOW, Condition Code "A" is defined as "serviceable and issuable without limitation or restriction".

Restoration: The process of upgrading an item to conform to the applicable technical specifications in order to assure compliance with specified operational capabilities, physical appearance, and configuration. It includes the repair or replacement of parts/components that have failed or are of marginal quality/reliability due to wear, deterioration, or damage as well as cosmetic reconditioning. Restoration shall include all applicable alignments/calibrations and verification that approved Engineering Change Proposals (ECPs) or modifications have been installed properly and are functional. In the event that non-approved configuration items are discovered, the equipment shall be restored to its approved configuration.

Overhaul: The process of totally reconditioning an item to conform to all current technical specifications for that item, thereby providing a life expectancy equivalent to similarly configured new equipment, through the repair/replacement of components that have failed, are of marginal performance, or are reasonably expected to fail due to wear/damage/deterioration. Additionally, structural/cosmetic repairs shall be performed to the degree that the item is comparable to new equipment. For the purposes of this SOW, all approved Engineering Change Proposals (ECPs) and modifications shall be installed/verified as part of the overhaul work effort.

Repair: The process of returning an unserviceable item to full operational status by repair/replacement of its component parts and performing any alignments/calibrations as may be necessary. Cosmetic/structural repairs are not included in the repair process unless those repairs impede the operational functionality of the item.

Marginal Quality: Deteriorated or damaged parts that are reasonably anticipated to fail thereby significantly reducing the expected reliability of an assembly/equipment. An expanded

definition and associated requirements for replacement of parts/components adjudged to be of marginal quality is contained in MIL-STD-2110 (EC). Specific requirements of this SOW, along with the general requirements as contained in MIL-STD-2110 (EC), shall be used to identify and necessitate the replacement of marginal quality items.

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 Supplements thereto which are 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. Any remaining conflicts shall be resolved at the discretion of the Logistics Management Specialist (LMS), who can be contacted at the following e-mail address: SMBmatcombmads@matcom.usmc.mil. The mailing address is: Commander, Marine Corps Systems Command, Attn: Logistics Management Specialist, (BMADS), 814 Radford Blvd., Suite 20343, Albany, GA 31704-0343. The commercial telephone number is (229) 639-5036, or DSN 567-5036. Facsimiles may be sent to commercial telephone number (229) 639-6545 or DSN 567-6545, Attn: Logistics Management Specialist, (BMADS).

2.1 Military Specifications

MIL-A-8625	Anodic Coatings for Aluminum and Aluminum Alloys
MIL-C-5541	Chemical Conversion Coatings on Aluminum and Aluminum Alloys

2.2 Military Standards

MIL-STD-129	DoD Standard Practice for Military Marking
MIL-STD-2073-1D	DoD Standard Practice for Military Packaging
MIL-STD-2110 (EC)	Restoration, Overhaul, and Repair of Electronic Equipment

2.3 Other Government Documents and Publications

DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
Engineering Drawing 7327847, CAGE 03538	SET-15 Antenna-Transmitter (Assembly Level Drawing)
Engineering Drawing 7327847G3, CAGE 03538	SET-15 Antenna-Transmitter Assembly (Parts List)

Engineering Drawing 77A561266, CAGE 03538	SET-15 Mod Kit (Instructions)
Engineering Drawing 77C726163P3, CAGE 03538	Plate, Identification
SL3-09088A	Components List, Antenna-Transmitter Group, SET-15
TM 4750-15/1	Painting and Registration Marking of Marine Corps Combat and Tactical Equipment
TM 4750-15/2-x	Painting and Registration Marking of Marine Corps Combat and Tactical Equipment (contains patterns)
TM-07751A-14/14	Technical Manual, Antenna-Transmitter Group, OE-442/TPS-59

Military Handbook (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.4 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems-Requirements
SAE AMS-M-3171	Magnesium Alloy, Processes for Pretreatment and Prevention of Corrosion

Industry Standard (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, GA 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, GA 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

3.0 Requirements

3.1 General Requirements

3.1.1 This SOW establishes uniform standards and procedures as applicable to the entire ROR process (to include, an initial evaluation of the equipment's condition, maintenance procedures, selection and use of parts/materials, identification/marking of the equipment, and preservation/ packing for shipment). Although this SOW, along with the referenced documents (particularly MIL-STD-2110 (EC)), provide extensive information relative to the ROR, the information and guidance is limited to establishing only the minimum requirements essential to perform the ROR process to restore the SET-15 to Condition Code "A". Additional guidance may be provided by the LMS, as well as other approved commercial/industry practices and standards. Requests for additional guidance shall be referred to the LMS (BMADS), commercial telephone number (229) 639-5036, or DSN 567-5036, FAX (229) 639-6545, or e-mail to: SMBmatcombmads@matcom.usmc.mil.

3.1.2 The Contractor shall be responsible for all parts, materials, labor, facilities, tools, and test equipment necessary to restore, overhaul, and/or repair the SET-15 in accordance with the references and this SOW. Upon successful completion of the ROR, the SET-15 shall be Condition Code "A".

3.2 Detailed Tasks

3.2.1 Pre-Induction LTI. Upon receipt of the SET-15, Contractor technical personnel shall perform a Pre-Induction Limited Technical Inspection (LTI) utilizing SL3-09088A for inventory purposes and TM-07751A-14/14 for determination of operational status of the equipment. The pre-induction LTI (in contractor format) shall identify any transportation related damages, equipment shortages, long lead-time material requirements, and the overall condition of the SET-15 to be inducted for ROR. In the event of any transportation related damage(s), the cognizant Transportation Management Office (TMO) shall be notified, in writing, within five working days after receipt of the equipment. The LMS shall be informed of any equipment shortages in order to coordinate resolution actions. Identification of required long lead-time materials and the overall condition are envisioned to assist ROR management personnel in the reduction of overall ROR processing time.

3.2.2 Induction for ROR. ROR of the SET-15 shall consist of the following mandatory tasks:

a. All corrosion shall be removed and the affected surfaces treated as necessary in accordance with MIL-A-8625, MIL-C-5541, and SAE AMS-M-3171, as applicable.

b. All hardware items and assemblies shall be stripped, repaired/replaced (as necessary), treated/primed, and camouflage painted (to the approximate patterns for similar equipment as specified in TM 4750-15/1 and TM 4750-15/2-x) utilizing Chemical Agent Resistant Coating (CARC) paint.

c. Electronic assemblies/subassemblies shall be overhauled to meet or exceed the individual/assembly test specifications. Overhaul, vice restoration or repair, is necessary due to the essentiality of the SET-15 equipment being fully operational and reliable in the event the AN/TPS-59(V)3 Radar Set is deployed to a tactical environment.

d. All assemblies, subassemblies, and materiel shall conform to the configuration as specified in Engineering Drawing 7327847 CAGE 03538, Parts List 7327847G3 CAGE 03538, Engineering Drawing 77A561266 CAGE 03538, and SL3-09088A. Specific attention is directed towards Engineering Drawing 77A561266 CAGE 03538. Any variance(s) must be authorized as specified in paragraph 3.4, below.

e. All stencils shall be repainted in accordance with Engineering Drawing 7327847 CAGE 03538 and data plates replaced in accordance with Engineering Drawing 77C726163P3 CAGE 03538.

f. Cable assemblies shall be restored to their original condition in order to facilitate rapid emplacement of the SET-15 system and to ensure operational reliability.

3.3 Packaging, Handling, Storage and Transportation (PHS&T).

3.3.1 The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Upon successful completion of repair, the equipment shall be preserved and packaged in accordance with the level "B" requirements of MIL-STD-2073-1D, Appendix A, Table A.VI., Electronic Equipment and prepared for transport in accordance with the requirements of TM-07751A-14/14, paragraph 8-4.

NOTE: No long-term storage requirements exist for this equipment.

3.3.2 Marking for shipment and storage shall be in accordance with MIL-STD-129.

3.3.3 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, via air-ride truck for CONUS, or priority air shipment via Military Airlift Command for OCONUS, 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.

3.4 Configuration Management. The Contractor shall apply configuration control procedures to established configuration baseline items. The Contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. The Contractor shall propose a suitable camouflage pattern to be used for the SET-15, using TM 4750-15/1 and TM 4750-15/2-x as references for development of an appropriate pattern. Recommendations for any other permanent changes to the baseline shall be submitted via an Engineering Change Proposal (ECP). 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 these configuration control documents.

3.5 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 571-1) will coordinate 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 a copy of the DD1348 to: Materiel Management Department, Management Control Activity (Code 571-1) 814 Radford Blvd., STE 20320, Albany, GA 31704-0320, or by faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

3.6 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.

3.7 Quality Assurance Provisions. The Contractor shall provide and maintain a Quality System that, as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9001-2000, Quality Management Systems-Requirements.

4.0 Reports. The Contractor shall provide the following reports as stated in the paragraphs below. Reports shall be submitted to the Logistics Management Specialist (LMS). The LMS can be reached during normal business hours at commercial telephone number (229) 639-5036, or DSN 567-5036. The electronic address: SMBmatcombmads@matcom.usmc.mil. The mailing address is: Commander, Marine Corps Systems Command, Attn: Logistics Management Specialist, (BMADS), 814 Radford Blvd., Suite 20343, Albany, GA 31704-0343. Facsimiles may be sent to commercial telephone number (229) 639-6545, or DSN 567-6545, Attn: Logistics Management Specialist, (BMADS).

4.1 The Contractor shall develop a Test Data Report (TDR) in Contractor format that portrays all test specifications/requirements (as collectively contained in the engineering drawings and technical manuals applicable to the SET-15 and its major subassemblies), referencing acceptable parameters, specific results obtained during the final diagnostic/ integration testing, and general remarks. Additionally, the TDR shall reference this SOW, the NSN, part number, and serial number of the SET-15. Upon request, the Contractor shall submit a copy of the TDR electronically (preferred), via regular mail, or facsimile to the Logistics Management Specialist (LMS).

4.2 The Contractor shall provide a copy (either electronic or hard copy submittal is acceptable) of the Pre-Induction LTI to the LMS within 15 calendar days after completion of the inspection. The LTI (contractor format) shall consist of the TDR and an extract of SL3-09088A (as applicable to Supply System Responsibility items of the SET-15).

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

The Public reporting burden for this collection of information is authorized 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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX
D. SYSTEM/ITEM: Set-15 Antenna-Transmitter Group	E. CONTRACT/PR No.	F. CONTRACTOR

1. DATA ITEM No.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	ENGINEERING CHANGE PROPOSAL (ECP)	CONFIGURATION MANAGEMENT

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80639C	SOW Para. 3.4	MARCORLOGBASES 583-1

7. DD 250 REQ.	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	AS REQ	SEE BLOCK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A			

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	FINAL Reg	FINAL Repro
MCLBA 583-1	0	1	0
15. TOTAL	0	1	0

16. REMARKS

Block 4: Contractor Format using .doc or .pdf software application is authorized.

Block 10 & 12: ECPs shall be submitted for all proposed changes which permanently affect the baseline of a configuration item.

ECPs will be reviewed and disposition determined within 20 working days upon receipt by the government.

ECPs shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil.

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

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Doug Smith	13 Dec 02	Robert D. Tenaglia	13 DEC 02

DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED

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CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ Other XXX
D. SYSTEM/ITEM Enhanced Memory Set-15 Antenna-Transmitter Group	E. CONTRACT/PR No.	F. CONTRACTOR
1. DATA ITEM No. A002	2. TITLE OF DATA ITEM **REQUEST FOR DEVIATION (RFD)**	3. SUBTITLE **CONFIGURATION MANAGEMENT**
4. AUTHORITY *(Data Acquisition Document No.)* **DI-CMAN-80640C**	5. CONTRACT REFERENCE **Para 3.4**	6. REQUIRING OFFICE MARCORLOGBASES 583-1

7. DD 250 REQ.	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	**A**	**AS REQ**	**SEE BLOCK 16**
8. APP CODE **A**		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	FINAL Reg	FINAL Repro
MCLBA 583-1	**0**	**1**	**0**
15. TOTAL	**0**	**1**	**0**

16. REMARKS

Block 4: Contractor Format using .doc or .pdf software applications is authorized.

Block 10 & 12: RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.

RFDs will be reviewed and disposition determined within 20 working 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.

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Doug Smith	13 Dec 02	Robert D. Tenaglia	13 DEC 02