

STATEMENT OF WORK (SOW)
for the
INSPECTION AND REPAIR ONLY AS NECESSARY (IROAN)
of the
AN/TPS-59(V)3
DATA PROCESSOR CONTROL GROUP
NSN 5895-01-461-6959

SOW-01-844-2-8I023B-2/1

1. This SOW identifies the work effort that shall be performed by the Contractor in the IROAN of the AN/TPS-59(V)3 Data Processor Control Group, NSN 5895-01-461-6959, part number 77E300609G2, CAGE 03538.
2. The attached manuscript has been reviewed and is concurred upon by the following signers:


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1.0 Scope

This SOW establishes general and specific requirements to be followed by the Contractor in the IROAN of the AN/TPS-59(V)3 Data Processor Control Group, NSN 5895-01-461-6959, part number 77E300609G2, CAGE 03538 (hereafter referred to simply as the "DPCG").

1.1 Definitions

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

1.1.2 Condition Code "A": Serviceable and issuable without qualification, limitation or restriction.

1.1.3 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 repairs are not included in the repair process unless those repairs impede the operational functionality of the item.

1.1.4 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.

1.1.5 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 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 WSM.

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
MIL-R-29466C	System Specifications for the AN/TPS-59(V)3

2.2 Military Standards

MIL-STD-129	DoD Standard Practice for Military Marking
MIL-STD-2073-1C	DoD Standard Practice for Military Packaging

Military Standards (For Reference Only)

MIL-STD-973	Configuration Management
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2.3 Other Government Documents and Publications

SL3-07751B	Components List, Radar Set AN/TPS-59(V)3
TM-07751B-14/4	Operation and Maintenance Instructions, Data Processor Control Group
TM-07751B-14/5	Maintenance Prints, Data Processor Control Group
TM-4750-15/1	Painting and Registration Marking of Marine Corps Combat and Tactical Equipment
TM-4750-15/2-8	Painting and Registration Marking of Marine Corps Combat and Tactical Equipment (contains patterns)
77E300609	(Assembly level) Engineering Drawing, Data Processor Control Group
77E300609G2	Parts List, Data Processor Control Group (along with all sub-tiered drawings referenced therein)

2.4 Industry Standards

ANSI/EIA 625	Requirements for Handling Electrostatic-Discharge Sensitive (ESDS) Devices
ANSI/ISO/ASQC Q9002-1994	Quality Systems - Model for Quality Assurance in Production, Installation and Servicing

Copies of military standards and specifications are available from the DOD Single Stock Point, Defense Automated Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697- 2179 or DSN 442-2179, or

<http://dodssp.daps.mil>. Copies of other government 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 Base, 814 Radford Blvd., Albany, GA 31704-1128, commercial telephone number (912) 439-6761 or DSN 567-6761. Copies of engineering drawings shall be obtained from: Life Cycle Management Center, Attn (Code 825-3), 814 Radford Blvd Suite 20320, Albany GA 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Requirements: The Contractor shall be responsible for all parts, materials, labor, facilities, tools, and test equipment {with the exception of the Radar Environmental Simulator (RES) referenced in paragraph 3.2.5} necessary to restore, overhaul, and/or repair the equipment in accordance with this SOW. Upon completion of the IROAN and certification that the DPCG meets/exceeds the applicable requirements contained in MIL-R-29466C, the Contractor shall be responsible for informing the WSM that the DPCG IROAN has been completed and coordinating shipment of the DPCG to the receiving unit. The Contractor shall budget for the required temporary additional duty (TAD) funding as part of the IROAN process and provide technical service personnel (actual number to be determined by the Contractor) to the receiving unit to perform joint acceptance testing.

This SOW establishes uniform standards and procedures as applicable to the entire IROAN process (to include, an initial evaluation of the equipment's condition, maintenance procedures, selection and use of parts/materials, identification/marketing of the equipment, and preservation/packing for shipment). Although this SOW along with the referenced documents provide extensive information relative to the IROAN, the information and guidance is limited to establishing only the minimum requirements essential to perform the IROAN process necessary to restore the DPCG to Condition Code "A".

Additional guidance may be provided by the Weapon System Manager (WSM), {mailing address: Commander, Attn: (Code 844-2), Marine Corps Systems Command, 814 Radford Blvd Ste 20343, Albany, GA 31704-0343}, as well as other approved commercial/industry practices and standards.

3.2 Detailed Tasks

3.2.1 Pre-Induction LTI: Upon receipt of the DPCG, Contractor technical personnel shall perform a Pre-Induction Limited Technical Inspection (LTI) on the DPCG scheduled for IROAN induction, utilizing SL3-07751B (as applicable to the DPCG) and TM-07751B-14/4 for inventory and determination of operational status of the equipment. The LTI shall identify any shortages, long lead-time material requirements, and the overall condition of the DPCG to be inducted for IROAN. The WSM shall be informed of any equipment shortages in order to coordinate resolution actions. Identification of required long lead-time materials and the overall condition is envisioned to assist IROAN management personnel in the reduction of overall IROAN processing time. Furthermore, the LTI shall include identification of any transportation related damages incurred in-transit. In the event of any transportation related damage(s), the

cognizant Transportation Management Office shall be notified, in writing, within 5 working days of receipt.

3.2.2 Induction for IROAN: Work shall commence within 5 days of receipt of the equipment at the Contractor's repair facility. MIL-R-29466C, TM-07751B-14/4, TM-07751B-14/5, TM-4750-15/1, 77E300609, and 77E300609G2 (in particular) should be referenced for informational purposes and to ensure compliance with established mandatory work requirements.

3.2.3 Aluminum and aluminum alloy hardware shall be treated, as required, in accordance with MIL-A-8625 or MIL-C-5441, as applicable, to provide protection from corrosion/oxidation.

3.2.4 Repair and paint external surfaces of the DPCG shelter in accordance with TM-4750-15/1 and TM-4750-15/2-8. Unless otherwise specified by the WSM (prior to induction for IROAN), the DPCG shall be painted with the green camouflage pattern, utilizing chemical agent resistant coating (CARC) paint.

3.2.5 Following IROAN of the DPCG, the Contractor shall conduct a pre-shipment full system operational test, to include testing of Tactical Ballistic Missile tracking functionality utilizing the Radar Environmental Simulator (RES). The (Contractor format) Acceptance Test/LTI form(s) shall be used for documentation and quality assurance support.

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

3.3.1 Upon successful completion of final testing and certification of condition code "A" status, the Contractor shall be responsible for preservation, packaging, and coordinating for shipment items to be delivered under the terms of this statement of work. All items shall be level B packed in accordance with the requirements of MIL-STD-2073-1C, Appendix A, Table A.VI., Electronic Equipment. Since any overseas shipments must be made via priority Military Airlift Command (MAC) and all shipments will result in immediate use, no level "A" preservation, packing, & packaging requirements exist.

3.3.2 Marking shall be in accordance with MIL-STD-129.

3.3.3 The Contractor shall be responsible for performing all preservation, packaging, and transportation coordination efforts necessary for the equipment to be delivered to the pre-designated Marine Corps unit via air-ride truck (for CONUS shipments), or priority air shipment via Military Airlift Command (if delivery is OCONUS), as directed by the WSM. The Marine Corps will be responsible for transportation costs associated with movement of the equipment to and from the Contractor's repair facility.

3.4 Joint Acceptance Testing. The Contractor shall coordinate with the receiving unit equipment receipt, emplacement, assembly, and joint acceptance testing. Joint acceptance testing shall include, a joint Limited Technical Inspection (inclusive of inventorying for possible shortages) and complete operational testing {inclusive of full system integration testing utilizing the RES and unit's AN/TYQ-23(V), Tactical Air Operations Module}.

3.5 Configuration Management. The Contractor shall apply configuration control to established configuration items. Deviations from this established baseline configuration shall not be allowed without the written approval of the WSM. All permanent changes to the form, fit or function of the baseline shall be by Engineering Change Proposal. MIL-STD-973 (paragraph 5.4.2 and Appendix D) may be used as a guide. If necessary to temporarily depart from the authorized configuration baseline, the contractor shall prepare and submit a Request For Deviation/Request For Waiver using MIL-STD-973 (paragraphs 5.4.3, 5.4.4 and Appendix E) for guidance.

3.6 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 827-2) 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/GFM Accountability Agreement to the contractor for signature to establish a chain of custody and identify property responsibilities for Marine Corps assets. The MCA, in conjunction with the WSM, reserve the right to deny any requests for GFE/GFM. Under no circumstances shall denial of such requests form a basis for either work stoppages or delays in delivery.

3.7 ELECTROMAGNETIC ENVIRONMENTAL EFFECTS (E3) PROCEDURES. The Contractor shall plan for and use proper E3 control procedures in the IROAN process in conjunction with ANSI/EIA 625.

3.8 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 Systems - Model for Quality Assurance in Production, Installation, and Servicing.

4.0 REPORTS

4.1 The Contractor shall develop a Test Data Report (TDR) which portrays all test requirements/specifications (as collectively contained in the engineering drawings and technical manuals relative to the DPCG), 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 DPCG. A copy of the TDR shall be submitted electronically (preferred), via regular mail, or facsimile, to the WSM within 30 calendar days after completion of testing. Electronic address is: "MbMatcom844-2@matcom.usmc.mil". Mailing address is: Commander, Attn: (Code 844-2), Marine Corps Systems Command, 814 Radford Boulevard Suite 20343, Albany, GA 31704-0343. Facsimiles may be sent to (912) 439-5498, DSN 567-5498, Attn: Weapons System Manager, Code 844-2.

4.2 The Contractor shall provide a copy (either hard copy or electronic submittal is acceptable) of the Pre-Induction LTI to the WSM within 15 calendar days after completion of the inspection. The LTI (Contractor format) shall consist of the TDR and extract of SL3-07751B (as applicable to the DPCG). Electronic address is: "MbMatcom844-2@matcom.usmc.mil". Mailing address is: Commander, Attn: (Code 844-2), Marine Corps Systems Command, 814 Radford Boulevard Suite 20343, Albany, GA 31704-0343. Facsimiles may be sent to (912) 439-5498, DSN 567-5498, Attn: Weapons System Manager, Code 844-2.

4.3 The Contractor shall provide a hard copy (with the signature of the unit's Commanding Officer or his designated representative) of the Joint Acceptance LTI to the WSM within 15 calendar days after completion of the inspection. The Joint Acceptance LTI shall be similar to the Pre-Induction LTI, with additional provisions for the signature and identifying information of the unit's authorized acceptance representative. Mailing address is: Commander, Attn: (Code 844-2), Marine Corps Systems Command, 814 Radford Boulevard Suite 20343, Albany, GA 31704-0343. Electronic copies of this report are not acceptable.

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.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____ X
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D. SYSTEM/ITEM Data Processor Control Group	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM Engineering Change Proposal (ECP)	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80639B	5. CONTRACT REFERENCE SOW 3.5	6. REQUIRING OFFICE MCLBA (825)
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7. DD 250 REQ LT	8. DIST STATEMENT REQUIRED A	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES	
					Draft	Final
					Reg	Repro

16. REMARKS Blk 4 - Contractor format using .doc or .pdf software applications is authorized. Blks 10 & 12 - ECPs shall be submitted for all proposed changes which permanently affect the baseline of a configuration item. MIL-STD-973, Appendix D may be used as a guideline. ECPs will be reviewed and disposition determined within 30 calendar 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.	MCLBA (825-2)	0	1	0
15. TOTAL	→	0	1	0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY <i>James C. Clark</i>	H. DATE 3/6/00	I. APPROVED BY <i>[Signature]</i>	J. DATE 7 Mar 00
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CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____ <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM Data Processor Control Group	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Request For Deviation	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640B	5. CONTRACT REFERENCE SOW 3.5	6. REQUIRING OFFICE MCLBA (825)
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7. DD 250 REQ LT	8. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION		
8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE		b. COPIES	
A					Draft	Final
					Reg	Repro

16. REMARKS Blk 4 - Contractor format using .doc or .pdf software applications 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 30 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	MCLBA (825-2)	0	1	0
	15. TOTAL	0	1	0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY <i>James C. Clark</i>	H. DATE 3/6/00	I. APPROVED BY <i>[Signature]</i>	J. DATE <i>[Signature]</i>
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