

STATEMENT OF WORK (SOW) FOR THE
Inspect Repair Only As Necessary (IROAN)
Firefinder Radar System AN/TPQ-46-A
NSN 5840-01-450-6708

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1.0 Scope. This Statement of Work (SOW) establishes, sets forth tasks, and identifies the work effort that shall be performed by the Contractor in the IROAN of the Firefinder Radar System AN/TPQ-46A, NSN 5840-01-450-6708, ID# 08211D, TAMCN A14407G; hereafter referred to as the Firefinder Radar. The Firefinder Radar major system components to be IROANED are; one OY-112A/TPQ Antenna Transceiver Group (ATG), two OV-103/U Generator Trailer Groups (GTG), one AN/TSQ-217 Equipment Set Trailer Mounted, one OK-650A/TPQ Operations Control Group, four High Mobility Multi-purpose Wheeled Vehicles (HMMWV). This document contains requirements to restore the Firefinder Radar 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."

Note: This SOW is primarily written for IROAN, however, the Weapon System Manager is directing the mandatory rebuild of drive trains (engine and transmission) in two of the HMMWV's as specified in the requirements section.

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-2073-1C	Standard Practice for Military Packaging

Military Standards (For Guidance Only)

MIL-STD-973	Configuration Management
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2.2 Military Specifications

MIL-DTL-55507	Shelter, Electrical Equipment (with or without Equipment), Packaging of
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2.3 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

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

SL-3-08211D	Components List for Radar Set, Firefinder
SL-3-10440A	Components List for Equipment Set, Trailer
SL-3-10441A	Components List for Generator Trailer Group
SL-3-10466A	Components List for Operations Control Group OK-650A/TPQ
SL-3-10468A	Components List for Antenna Transceiver Group OY-112A/TPQ
SL-3-10514A	Components List for Tool Kit, Direct Maintenance
SL-3-10515A	Components List for Tool Kit, General Maintenance & Adapters Mounted
SL-3-10516A	Components List for Tool Kit, Operator Maintenance
SL-3-10554A	Components List for Maintenance Kit MK-2902/TPQ
97010A0000	Tech Data Pkg. for Firefinder System
97010A1000	Tech Data Pkg. for the OK-650A/TPQ
97010A2000	Tech Data Pkg. for Antenna Transceiver Group, OY-112A/TPQ
97005A3000	Tech Data Pkg. for Equipment Set, Trailer Mounted
97005A4000	Tech Data Pkg. for the Generator Trailer Group, OV-103/U

DMWR-11-5840-354	Depot Maintenance Work Requirements for the Antenna Transceiver Group
SOW-00-835-1-09058C-1/1	SOW for M116A3 Trailer
SOW-00-835-2-08770A-2/1	IROAN SOW for HMMWV Series Trucks
MI-08211B-50/6	Modifications to Radar (V) 7
MI-08211B-50/7	Modifications to Radar (V) 8
TM 10-5411-224-14	Operator's, Unit, Direct Support & General Maintenance for Lightweight Multipurpose Shelters Model No. S-788/G Type III
TM-11-5840-380-10	Operators Manual Radar Set AN/TPQ-36(V)8
TM-11-5840-380-23-1	Unit and Direct Support Maintenance Manual (Functional Description and Maintenance Instructions) Radar Set AN/TPQ-36 (V)8
TM-11-5840-380-23-2	Unit and Direct Support Maintenance Manual (Extended Troubleshooting and Wire Lists) Radar Set AN/TPQ-36 (V)8
TM-11-5840-380-23P	Unit and Direct Support Repair Parts List OK-398(V)5/TPQ Operations Central and Equipment Trailer Group
TM-2320-50/1	IROAN Standard F/TRK UTIL 1-1/4
DMS-584-380	Depot Maintenance Study
DoD 4000.25-1-M	MIL STRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor furnished Materiel from the Federal Supply System
ATPD 2241	Vehicles, Wheeled: Preparation for Shipment and Storage of
PPP-G-2919	Generator Sets, Mobile Electric Power and Supplemental Equipment, Packaging of.

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA19111-5094, 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 (912) 439-6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, ATTN (Code 825-2), 814 Radford Blvd. STE 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 the Firefinder Radar weapon system. 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 Firefinder Radar weapon system.

Phase I	Pre-Induction
Phase II	Repair
Phase III	Inspection, Testing and Acceptance
Phase IV	Packaging, Handling, Storage and Transportation

3.2.1 Phase I Pre-Induction: Upon induction of the Firefinder Radar into the contractor's facility the system shall be broken down into components including separating the Operations Control Group Shelter OK-650A/TPQ from the HMMWV. All systems will be evaluated for repair capability.

3.2.1.1 AN/TPQ-46A System Pre-Induction Inspection and Inventory: Upon receipt of the Firefinder Radar System an inspection/inventory shall be completed per the SL-3's and the approved drawing package to determine any missing components or collateral gear. Any discrepancies shall be reported to the item manager, John Drake DSN 567-6611, on a report of discrepancy form SF 364 within five days of receipt.

3.2.1.2 M1097A1 HMMWV Pre-Induction: The HMMWV pre-induction process for the M1097A1's will consist of an LTI in accordance with SOW-00-835-2-08770A-2/1, paragraph 3.2.1. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the weapon system manager along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.3 M1038 and M998 HMMWV Pre-Induction: The possibility exists that some replacement HMMWV's may be available at the time of induction for the M1038 and the M998. Upon receipt, and prior to induction, contact the item manager, John Drake at DSN 567-6611, to check on availability of replacement vehicles. If replacements are available proceed to paragraph 3.2.2.3 of this SOW. If no replacement vehicle is available proceed to the pre-induction process for the M1038 and the M998 in accordance with SOW-00-835-2-08770A-2/1. A pre-induction LTI inspection shall be performed for each HMMWV for evaluation of repair requirements. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the weapon system manager along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.4 Shelter Pre-Induction A pre-induction LTI inspection shall be performed for each OCG Shelter for evaluation of repair requirements. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the weapon system manager along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.5 Antenna Transceiver Group Pre-Induction: A pre-induction LTI inspection on the Antenna Assembly shall be performed in accordance with DMWR 11-5840-354 for each ATG for evaluation of repair requirements. A separate LTI for the trailer portion of the ATG shall be performed to determine the maintenance requirements for the trailer. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the weapon system manager along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.6 Generator Trailer Group Pre-Induction: A pre-induction LTI inspection shall be performed for each GTG for evaluation of repair requirements. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the weapon system manager along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.7 Equipment Set, Trailer Mounted Pre-Induction: A pre-induction LTI inspection shall be performed for each Equipment Trailer Group for evaluation of repair requirements. Report DA-2404 (Appendix A) and Standard Form 364 (Appendix B) shall be used to report all anomalies and shall be provided to the weapon system manager along with a copy of the LTI 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 Firefinder Radar weapon system shall be accomplished as five separate items, HMMWV vehicles (four per system), Operations Control Group Shelter (one per system), Antenna Transceiver Group (one per system), Generator Trailer Group (two per system), And Equipment Set, Trailer Mounted (one per system). Upon completion of the repair work the Firefinder Radar components shall be reconfigured as a system. The following Standards and Publications shall be used to assist the Contractor in restoring the Firefinder Radar System to condition code "A":

SL-3-08211D	Components List for Radar Set, Firefinder
SL-3-10514A	Components List for Tool Kit, Direct Maintenance
SL-3-10515A	Components List for Tool Kit, General Maintenance & Adapters
SL-3-10516A	Components List for Tool Kit, Operator Maintenance
SL-3-10554A	Components List for Maintenance Kit MK-2902/TPQ
97010A0000	Tech Data Pkg. for Firefinder System

3.2.2.1 M1097A1 HMMWV Repair: The vehicle shall have all discrepancies identified in the pre-induction LTI corrected using the Phase II - IROAN paragraph of SOW-00-835-2-08770A-2/1. Any modifications peculiar to the Firefinder Radar that are removed during the IROAN process will be reinstalled. The following Standards and Publications shall be used to assist the Contractor in restoring the HMMWV's to condition code "A" in their correct Firefinder configuration:

SOW-00-835-2-08770A-2/1	SOW for HMMWV IROAN
SL-3-10468A	Components List for Antenna Transceiver Group OY-112A/TPQ
97010A2000	Tech Data Pkg. for Antenna Transceiver Group, OY-112A/TPQ
DMWR-11-5840-354	Depot Maintenance Work Requirements for the Antenna Transceiver Group
SOW-00-835-1-09058C-1/1	Statement of Work for M116A3 Trailer
MI-08211B-50/6	Modifications to Radar (V) 7
MI-08211B-50/7	Modifications to Radar (V) 8
SL-3-10468A	Components List for Antenna Transceiver Group OY-112A/TPQ
97010A2000	Tech Data Pkg. for Antenna Transceiver Group, OY-112A/TPQ
SL-3-10440A	Components List for Equipment Set, Trailer Mounted
SL-3-10466A	Components List for Operations Control Group OK-650A/TPQ
97010A1000	Tech Data Pkg. for the OK-650A/TPQ
MI-08211B-50/6	Modifications to Radar (V) 7
MI-08211B-50/7	Modifications to Radar (V) 8
97010A0000	Tech Data Pkg. for Firefinder System

3.2.2.2 M1038 and M998 HMMWV Repair: *Note: The work identified in this paragraph is only authorized if the M1038 and M998 HMMWV's are not replaced by the item manager with new vehicles. The vehicle shall be processed in accordance with the Phase II - IROAN paragraph of SOW-835-2-08770A-2/1. The exception to the Phase II is that the contractor is directed to perform overhaul of the engine and transmission per TM-2320-50/1. This applies only to M1038 and M998 HMMWV's that are not being replaced. Any modifications peculiar to the Firefinder Radar that are removed during the IROAN process will be reinstalled as part of this SOW. The following Standards and Publications shall be used to assist the Contractor in restoring the HMMWV's to condition code "A" in their correct Firefinder configuration:*

SOW-00-835-08770A-2/1	SOW for HMMWV IROAN
SL-3-10441A	Components List for Generator Trailer Group
97005A4000	Tech Data Pkg. for the Generator Trailer Group, OV-103/U
MI-08211B-50/6	Modifications to Radar (V) 7
MI-08211B-50/7	Modifications to Radar (V) 8

3.2.2.3 M1038 and M998 HMMWV Replacement: *Note: The work in this paragraph is only authorized if replacement vehicles are available for the M1038 and M998 HMMWV's.* The contractor will remove all modifications previously applied to the turned-in HMMWV's. Upon removal the components will be inspected and returned to condition code "A". The contractor shall apply the modifications to the new vehicles thereby bringing the configuration of the new vehicles up to the approved Firefinder System technical data package. The following Standards and Publications shall be used to assist the Contractor in restoring the HMMWV's to condition code "A" in their correct Firefinder configuration:

SL-3-10441A	Components List for Generator Trailer Group
97005A4000	Tech Data Pkg. for the Generator Trailer Group, OV-103/U
MI-08211B-50/6	Modifications to Radar (V) 7
MI-08211B-50/7	Modifications to Radar (V) 8

3.2.2.4 Shelter Repair: Deficiencies noted on the Pre-Induction LTI 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. The following Standards and Publications shall be used to assist the Contractor in restoring the OCG to condition code "A":

SL-3-10466A	Components List for Operations Control Group OK-650A/TPQ
TM-10-5411-224-14	Operator's Unit, Direct Support & General Maintenance for Lightweight Multipurpose Shelters Model No. S-788/G Type III
TM-11-5840-380-10	Operators Manual Radar Set AN/TPQ-36(V)8
TM-11-5840-380-23-1	Unit and Direct Support Maintenance Manual (Functional Description and Maintenance Instructions) Radar Set AN/TPQ-36 (V)8

TM-11-5840-380-23-2	Unit and Direct Support Maintenance Manual (Extended Troubleshooting and Wire Lists) Radar Set AN/TPQ-36 (V)8
TM-11-5840-380-23P	Unit and Direct Support Repair Parts List OK-398(v)5/TPQ Operations Central and Equipment Trailer Group
DMS-584-380	Depot Maintenance Study
97010A1000	Tech Data Pkg. for the OK-650A/TPQ

Deficiencies noted on the Pre-Induction Checklist 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.

3.2.2.5 Antenna Transceiver Group Repair: Deficiencies noted on the Pre-Induction LTI for the Antenna shall be repaired/replaced to include painting and electrical/mechanical alignment with the exception of near field probe and tower track alignment. If the inspection indicates a need for near field probe or tower track alignment, the weapon system manager shall be contacted. The contractor will also contact the weapon system manager prior to proceeding with any antenna array repairs.

The M116A3 trailers will be brought to condition code "A" by repairing or replacing those items identified on the pre-induction inspection. In addition to the discrepancies noted, all rubber goods and hydraulic brake components will be mandatory replacements. SOW-00-835-1-09058C-1/1 shall be used as a guide. The trailer will be steam cleaned, undercoated and painted.

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. The following Standards and Publications shall be used to assist the Contractor in restoring the Antenna Transceiver Group to condition code "A":

SL-3-10468A	Components List for Antenna Transceiver Group OY-112A/TPQ
97010A2000	Tech Data Pkg. for Antenna Transceiver Group, OY-112A/TPQ
DMWR-11-5840-354	Depot Maintenance Work Requirements for the Antenna Transceiver Group
SOW-00-835-1-09058C-1/1	Statement of Work for M116A3 Trailer
MI-08211B-50/6	Modifications to Radar (V) 7
MI-08211B-50/7	Modifications to Radar (V) 8

3.2.2.6 Generator Trailer Group Repair: The Generator Trailer Group including the M116A3 trailers will be brought to condition code "A" by repairing or replacing those items identified on the pre-induction inspection. In addition to the discrepancies noted, all rubber goods and hydraulic brake components will be mandatory replacements. SOW-00-835-1-09058C-1/1 shall be used as a guide. The trailer will be steam cleaned, undercoated and painted.

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. The following Standards and Publications shall be used to assist the Contractor in restoring the Generator Trailer Group to condition code "A":

SOW-00-835-1-09058C-1/1	SOW for M116A3 Trailer
SL-3-10441A	Components List for Generator Trailer Group
97005A4000	Tech Data Pkg. for the Generator Trailer Group, OV-103/U

3.2.2.7 Equipment Set, Trailer Mounted Repair: The Equipment Set, Trailer Mounted including the M116A3 trailers will be brought to condition code "A" by repairing or replacing those items identified on the pre-induction inspection. In addition to the discrepancies noted, all rubber goods and hydraulic brake components will be mandatory replacements. SOW-00-835-1-09058C-1/1 shall be used as a guide. The trailer will be steam cleaned, undercoated and painted.

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. The following Standards and Publications shall be used to assist the Contractor in restoring the Equipment Set, Trailer Mounted to condition code "A":

SOW-00-835-1-09058C-1/1	SOW for M116A3 Trailer
SL-3-10440A	Components list for Equipment Set, Trailer Mounted
97005A3000	Tech Data Pkg. for Equipment Set, Trailer Mounted

3.2.3 Phase III - Inspection, Testing and Acceptance

- a. Inspection, Testing and Acceptance of the HMMWV shall be conducted in accordance with SOW-835-2-08770A-2/1.
- b. Inspection, Testing and Acceptance of the Antenna Transceiver Group shall be in accordance with DMWR 11-5840-354
- c. Inspection, Testing and Acceptance of the trailers shall be in accordance with SOW-00-835-1-09058C-1/1.

- d. Inspection, Testing and Acceptance of the Operations Control Group AND THE Firefinder Radar as a "System" shall be in accordance with the Depot Maintenance Study.
- e. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 833-1), 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 item(s) being repaired under the terms of this statement of work. Items being prepared for long term storage or shipment to overseas destinations shall be in accordance with the level A requirements of: ATPD 2241 for Wheeled Vehicles, MIL-DTL-55507 for Shelter, MIL-STD 2073-1C, Appendix A, Table A. VI., Electronic Equipment, for the Antenna Group and Equipment Set, and PPP-G-2919 for the Generator Sets. Items being prepared for domestic shipment, immediate use or short-term storage shall be to the level B requirements of their respective document.
- 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 shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the 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 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/827-2), Marine Corps Logistic Bases, Albany, 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 Contractor Furnished Materiel. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that 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.

3.5 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.

3.6 Quality Assurance Provisions: The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994, Quality Systems Model for Quality

Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include 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.

3.7 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 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 833-1, 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 baseline configuration for the Firefinder Radar weapon system has been established in the Technical Manual's and the Technical Drawing Packages identified throughout this SOW. Deviation from the established baseline configuration will not be allowed without the approval in writing of the Weapon System/Equipment Manager (Code 833-1). All proposed permanent changes to the fit, form or function of the baseline, shall require an Engineering Change Proposal using MIL-STD-973, paragraph 5.4.2 and appendix "D" as a guide. If necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation/Request for Waiver using MIL-STD-973, paragraph 5.4.3 or 5.5.4 and subparagraphs and Appendix "E", as a guide.

4.0 Reports

4.1 Pre-Induction Checklist: The Contractor shall complete the Pre-Induction Inspection LTI for HMMWV's, OCG's, GTG's, ATG's and Equipment Sets, Trailer Mounted for each Firefinder Radar inducted. One copy of each document shall be provided to MCLB (Code 833-1) Albany, Georgia, after induction of the Firefinder Radar weapon system.

4.2 Repairable Item Inspection Report: The Contractor shall provide a Repairable Item Inspection Report for each Firefinder Radar weapon system. 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 Firefinder Radar IROAN 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/Shipnet, Contract, etc)		7b. OFFICE ADMINISTERING CONTRACT		8. REQUISITIONER'S NUMBER (Requisition, Purchase Request, etc.)					
9. SHIPMENT, BILLING, AND RECEIPT DATA			10. DISCREPANCY DATA						
NSN/PART NUMBER AND NOMENCLATURE (a)		UNIT OF ISSUE (b)	QUANTITY SHIPPED/BILLED (c)	QUANTITY RECEIVED (d)	QUANTITY (a)	UNIT PRICE (b)	TOTAL COST (c)	1 CODE (d)	2
12. REMARKS (continue on separate sheet of paper if necessary)									

1. DISCREPANCY CODES	2. ACTION CODES	
<p>CONDITION OF MATERIAL C1 - In condition other than that indicated on release/receipt document C2 - Expired shelf life C3 - Damaged parcel post shipment</p> <p>SUPPLY DOCUMENTATION D1 - Not received D2 - Illegible or mutilated D3 - Incomplete, Improper or without authority <i>(Only when receipt cannot be properly processed)</i></p> <p>MISDIRECTED MATERIAL M1 - Addressed to wrong activity</p> <p>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</p> <p>PACKING DISCREPANCY P1 - Improper preservation P2 - Improper packing P3 - Improper Marking P4 - Improper unitization</p>	<p>PRODUCT QUALITY DEFICIENCIES Q1 - Deficient material <i>(Applicable to Grant Aid and FMS shipments)</i></p> <p>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</p> <p>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</p> <p>WRONG ITEM <i>(Identify requested item as a separate copy in Item 9. above)</i> W1 - Incorrect item received W2 - Unacceptable substitute</p> <p>OTHER DISCREPANCIES Z1 - See Remarks</p>	<p>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></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 ADDRESSEES FOR DISTRIBUTION
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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.
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19. IN ACCORDANCE WITH NOTICE OF DISCREPANCY ON FACE OF THIS FORM:			
a. MATERIAL <input type="checkbox"/> HAS BEEN SHIPPED <input type="checkbox"/> WILL BE 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	<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 101.26.8)
(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				
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				
(\$ <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td style="width: 40px; height: 20px;"></td></tr> <tr><td style="width: 40px; height: 20px;"></td></tr> </table>				

f. OTHER *(Specify)*

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
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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. 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 <u>XXX</u>
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D. SYSTEM/ITEM Firefinder Radar System AN/TPQ-46-A	E. CONTRACT/PR No.	F. CONTRACTOR
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1. DATA ITEM No. C001	2. TITLE OF DATA ITEM Request for Waiver (RFW)	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B	5. CONTRACT REFERENCE SOW 3.9	6. REQUIRING OFFICE MARCORLOGBASES 825
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY AS REQ	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 Draft FINAL Reg Repro

16. REMARKS Block 4 - Contractor format is authorized. Blocks 10 & 12 - RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation. RFWs will be reviewed and disposition determined within 30 working days upon receipt by the government. RFWs 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			

G. PREPARED BY: <i>Niam L. Bradley</i>	H. DATE FEB 1 2000	I. APPROVED BY: <i>[Signature]</i>	J. DATE 15 Feb 00
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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
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D. SYSTEM/ITEM Firefinder Radar System AN/TPQ-46-A	E. CONTRACT/PR No.	F. CONTRACTOR
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1. DATA ITEM No. C002	2. TITLE OF DATA ITEM Request for Deviation (RFD)	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640B	5. CONTRACT REFERENCE SOW 3.9	6. REQUIRING OFFICE MARCORLOGBASES 825
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7. DD 250 REQ. LJ	9. DIST STATEMENT REQUIRED A	10. FREQUENCY AS REQ	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	
					Draft	FINAL
						Reg
						Repro

16. REMARKS Block 4 - Contractor format is authorized. Blocks 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 30 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.	MCLBA 825-2	0	1	0
15. TOTAL				

G. PREPARED BY: <i>Wm L Bradley</i>	H. DATE <i>FEB 2000</i>	I. APPROVED BY: <i>[Signature]</i>	J. DATE <i>2/11/00</i>
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17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

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 <u>XXX</u>
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D. SYSTEM/ITEM Firefinder Radar System AN/TPQ-46-A	E. CONTRACT/PR No.	F. CONTRACTOR
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1. DATA ITEM No. C003	2. TITLE OF DATA ITEM Engineering Change Proposal	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80639B	5. CONTRACT REFERENCE SOW 3.9	6. REQUIRING OFFICE MARCORLOGBASES 825
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7. DD 250 REQ. LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY ASREQ	11. AS OF DATE	12. DATE OF FIRST SUBMISSION See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION	14. DISTRIBUTION a. ADDRESSEE MCLBA 825-2	b. COPIES		
8. APP CODE							Draft	Reg	Repro

16. REMARKS Block 4 - Contractor format is authorized. Blocks 10 & 12 - ECPs shall be submitted for all proposed changes, which Permanently affect the baseline of a configuration item. MIL-STD-973, Appendix D applies. ECPs will be reviewed and disposition determined within 30 calendar days upon receipt by the government. ECP shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil Distribution Statement A: Approved for public release, distribution is unlimited.	15. TOTAL			

G. PREPARED BY <i>William L Bradley</i>	H. DATE FEB 4 2000	I. APPROVED BY <i>[Signature]</i>	J. DATE FEB 4 2000
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE