

**Draft**  
**Maintenance Concept Remains Consistent with Prior Fiscal Year**

**STATEMENT OF WORK (SOW)**

**for the**

**Inspect and Repair Only As Necessary (IROAN)**

**of the**

**FIREFINDER RADAR SYSTEM, AN/TPQ-46A**

**NSN 5840-01-450-6708**

**SOW-07-PMM112-08211D-2/1**

STATEMENT OF WORK FOR THE  
IROAN of the Firefinder Radar System AN/TPQ-46A  
NSN 5840-01-450-6708

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STATEMENT OF WORK FOR THE  
IROAN of the Firefinder Radar System, AN/TPQ-46A  
NSN 5840-01-450-6708

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 (OCG), and 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 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: Military Marking for Shipment and Storage
MIL-STD-2073-1D	DoD Standard Practice for Military Packaging
MIL-STD-3003	Vehicles, Wheeled; Preparation for Shipment and Storage of

### 2.2 Other Government Documents and Publications

SL-3-08211D	Components List for Radar Set, Firefinder
SL-3-10441A	Components List for Generator Trailer Group
97010A0000 CAGE 01365	Tech Data Pkg. for Firefinder System

DMWR-11-5840-354	Depot Maintenance Work Requirements for the Antenna Transceiver Group
SOW-01-835-1-09058C-1/1	SOW for M116A3 Trailer
SOW-01-835-1-08770A-2/1	SOW for HMMWV IROAN
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
DMS-584-380	Depot Maintenance Study
DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance
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2.3 Industry Standards

JESD-625A	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
ANSI/ISO/ASQC Q9001-2000	Quality Management Systems-Requirements

Industry Standards (For Guidance)

ANSI/EIA-649

National Consensus Standard for Configuration Management

Copies of Military Specifications and Standards 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 on the Internet at <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 Command (MCSC), Albany, Georgia 31704-3019, commercial telephone number 229-639-6753 or DSN 567-6753. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 566-1A, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number 229-639-6476 or DSN 567-6476.

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 repair, the subject item shall be Condition Code "A".

3.2 Detailed 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 OCG Shelter, OK-650A/TPQ, from the HMMWV. All systems shall 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-3-08211D, SL-3-10441A, and Tech Data Package 97010A0000, CAGE 01365, to determine any missing components or collateral gear. Any discrepancies shall be reported to Materiel and Distribution Management Department, Principal End Item Management Branch (Code 583-3), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number 229-639-8160 or DSN 567-8160, on a Report of Discrepancy Form SF 364 (Appendix B) within five days of receipt.

3.2.1.2 M1097A1 HMMWV Pre-Induction. The HMMWV pre-induction process for the M1097A1s shall consist of a Limited Technical Inspection (LTI) in accordance with SOW-01-835-1-08770A-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 Logistics Management Specialist: Marine Corps Systems Command (MCSC), Attn: Code BMADS, 814 Radford Blvd., STE 20343, Albany, Georgia 31704-0343 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 HMMWVs may be available at the time of induction for the M1038 and the M998. Upon receipt, and prior to induction, contact the Materiel and Distribution Management Department, Principal End Item Management Branch (Code 583-3), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number 229-639-8160 or DSN 567-8160 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-01-835-1-08770A-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 Logistics Management Specialist 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 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 Logistics Management Specialist along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.5 Antenna Transceiver Group (ATG) Pre-Induction: A pre-induction LTI 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 Logistics Management Specialist along with a copy of the LTI in accordance with section 4.0 of this SOW.

3.2.1.6 Generator Trailer Group (GTG) Pre-Induction: A pre-induction LTI shall be performed for each of the two GTGs 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 Logistics Management Specialist 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 shall be performed for the 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 Logistics Management Specialist 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, HMMWVs (four per system), OCG Shelter (one per system), ATG (one per system), GTG (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
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-01-835-1-08770A-2/1. Any modifications peculiar to the Firefinder Radar that are removed during the IROAN process shall be reinstalled. The following Standards and Publications shall be used to assist the Contractor in restoring the HMMWVs to Condition Code “A” in their correct Firefinder configuration:

SOW-01-835-1-08770A-2/1	SOW for HMMWV IROAN
DMWR-11-5840-354	Depot Maintenance Work Requirements for the Antenna Transceiver Group
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 HMMWVs 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-01-835-1-08770A-2/1. Any modifications peculiar to the Firefinder Radar that are removed during the IROAN process shall be reinstalled as part of this SOW. The following Standards and Publications shall be used to assist the Contractor in restoring the HMMWVs to Condition Code “A” in their correct Firefinder configuration:

SOW-01-835-1-08770A-2/1	SOW for HMMWV IROAN
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 HMMWVs.* The

Contractor shall remove all modifications previously applied to the turned-in HMMWVs. Upon removal the components shall 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 HMMWVs to Condition Code "A" in their correct Firefinder configuration:

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":

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

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 Logistics Management Specialist shall be

contacted. The Contractor shall also contact the MCSC (Code BMADS), Albany, Georgia representative prior to proceeding with any antenna array repairs.

The M116A3 trailers shall 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 shall be mandatory replacements. SOW-01-835-1-09058C-1/1 shall be used as a guide. The trailer shall 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":

DMWR-11-5840-354	Depot Maintenance Work Requirements for the Antenna Transceiver Group
SOW-01-835-1-09058C-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 shall 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 shall be mandatory replacements. SOW-01-835-1-09058C-1/1 shall be used as a guide. The trailer shall 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 Publications shall be used to assist the Contractor in restoring the Generator Trailer Group to Condition Code "A":

SOW-01-835-1-09058C-1/1	SOW for M116A3 Trailer
SL-3-10441A	Components List for Generator Trailer Group

3.2.2.7 Equipment Set, Trailer Mounted Repair: The Equipment Set, Trailer Mounted including the M116A3 trailers shall 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 shall be mandatory replacements. SOW-01-835-1-09058C-1/1 shall be used as a guide. The trailer shall 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 Publication shall be used to assist the Contractor in restoring the Equipment Set, Trailer Mounted to Condition Code "A":

SOW-01-835-1-09058C-1/1      SOW for M116A3 Trailer

### 3.2.3 Phase III - Inspection, Testing and Acceptance

- a. Inspection, Testing and Acceptance of the HMMWV shall be conducted in accordance with SOW-01-835-1-08770A-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-01-835-1-09058C-1/1.
- d. Inspection, Testing and Acceptance of the Operations Control Group and the Firefinder Radar as a "System" shall be in accordance with DMS-584-380.
- e. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC (Code BMADS), Albany, Georgia 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 SOW. Items scheduled for long-term storage or shipment to overseas destinations shall be in accordance with Level "A" requirements of MIL-STD-3003 for Wheeled Vehicles and MIL-STD-2073-1D Appendix A, Table A. VI, Electronic Equipment, for the Antenna Group, Equipment Set and the electrical Shelter, and Generator Sets. Items scheduled for domestic shipment for immediate use or short-term storage shall be to Level "B" requirements of their respective documents.
- 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 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). The Management Control Activity (MCA) (Code 581-1B) 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 and Distribution Management Department, Distribution Management Branch, Management Control Activity (Code 581-1B), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320 or faxing a copy to commercial telephone number 229-639-5498.

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 JESD-625A. 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 Q9001-2000, Quality Management Systems-Requirements. 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. MCSC (Code BMADS), Albany, Georgia representative 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 BMADS), Albany, Georgia representative 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 BMADS), Albany, Georgia representative. The Contractor shall, at no additional cost to MCSC, Albany, Georgia, 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. All permanent changes to the form, fit or function of the baseline shall be by Engineering Change Proposal. If it is necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request for Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

4.0 REPORT. In fulfilling the specified requirements, the Contractor is required to submit reports via e-mail, unless otherwise specified to:

[dearinghc@mcsc.usmc.mil](mailto:dearinghc@mcsc.usmc.mil)

Harvey Dearing – Logistics Management Specialist

[townsendda@mcsc.usmc.mil](mailto:townsendda@mcsc.usmc.mil)

GySgt D. A. Townsend – Equipment Specialist

[SMBlogcombmads@logcom.usmc.mil](mailto:SMBlogcombmads@logcom.usmc.mil)

MCSC (Code BMADS), Albany, Georgia  
Organizational Mailbox

4.1 Induction Checklist. The Contractor shall complete the Pre-Induction Inspection LTI for HMMWVs, OCGs, GTGs, ATGs and Equipment Sets, Trailer Mounted for each Firefinder Radar weapon system inducted. One hard copy of each document shall be provided to Marine Corps Systems Command (MCSC), Attn: Code BMADS, 814 Radford Blvd., STE 20340, Albany, Georgia 31704-0340 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 to Marine Corps Systems Command (MCSC), Attn: Code BMADS, 814 Radford Blvd., STE 20340, Albany, Georgia 31704-0340. The report shall be identified by United States Marine Corps Serial Number.

Monthly Progress Reports: The Contractor shall provide a Monthly Status Report to Marine Corps Systems Command (MCSC), Attn: Code BMADS, 814 Radford Blvd., STE 20340, Albany, Georgia 31704-0340, summarizing the progress and status of the Firefinder Radar weapon system IROAN program. The reports shall be submitted by the 10<sup>th</sup> of each month.



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, Shipment Contract, etc.)	7b. OFFICE ADMINISTERING CONTRACT		8. REQUISITIONER'S NUMBER (Requisition, Purchase Requisition, 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)	
12. REMARKS (continue on separate sheet of paper if necessary)								

1. DISCREPANCY CODES		2. ACTION CODES
<b>CONDITION OF MATERIAL</b> C1 - In condition other than that indicated on release/receipt document C2 - Expired shelf life C3 - Damaged parcel post shipment <b>SUPPLY DOCUMENTATION</b> D1 - Not received D2 - Illegible or mutilated D3 - Incomplete, Improper or without authority <i>(Only when receipt cannot be properly processed)</i> <b>MISDIRECTED MATERIAL</b> M1 - Addressed to wrong activity <b>OVERAGE/DUPLICATE SHIPMENTS</b> 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 <b>PACKING DISCREPANCY</b> P1 - Improper preservation P2 - Improper packing P3 - Improper Marking P4 - Improper unitization	<b>PRODUCT QUALITY DEFICIENCIES</b> Q1 - Deficient material <i>(Applicable to Grant Aid and FMS shipments)</i> <b>SHORTAGE OF MATERIAL</b> 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 <b>ITEM TECHNICAL DATA MARKINGS</b> <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 <b>WRONG ITEM</b> <i>(Identify requested item as a separate copy in Item 9, above)</i> W1 - Incorrect item received W2 - Unacceptable substitute <b>OTHER DISCREPANCIES</b> 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) (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 <input type="checkbox"/>
15. DISTRIBUTION ADDRESSEES FOR COPIES	

16 FROM	17. DISTRIBUTION ADDRESSEES FOR DISTRIBUTION
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18 TO  <input type="checkbox"/>	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 <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 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 26.8)
(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

c  SHIP MATERIAL *Specify location*

(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

	/S

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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