STATEMENT OF WORK TO INSPECT AND REPAIR ONLY AS NECESSARY THE TEST SET, LASER INFRARED OBSERVATION DEVICE, TS-3620/GVS-5, NSN 5860-01-052-9477

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A	DA Form 2404 (1 Apr 79)
B	Standard Form 364 (Rev. 2-80)

STATEMENT OF WORK
TO INSPECT AND REPAIR ONLY AS NECESSARY THE
TEST SET, LASER INFRARED OBSERVATION DEVICE, TS-3620/GVS-5,
NSN 5860-01-052-9477

1.0 **SCOPE**. This Statement of Work (SOW) establishes, sets forth tasks, and identifies the work effort that shall be performed by the Contractor to Inspect and Repair Only as Necessary (IROAN) the Laser Infrared Observation Device Test Set, TS-3620/GVS-5, NSN: 5860-01-052-9477; hereafter referred to as the TS-3620/GVS-5. This document contains requirements to restore the TS-3620/GVS-5 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."

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 and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 **Military Standards**

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

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

TB 9-6625-2129-50	Calibration Procedure for Laser Infrared Observation Device Test Set TS-3620/GVS-5
TM 11-6625-2684-12	Operator and Organizational Maintenance Manual for Test Set, Laser Infrared Observation Device TS-3620/GVS-5
TM 11-6625-2684-20P	Organizational Maintenance Repair Parts and Special Tools Lists for Test Set, Laser Infrared Observation Device TS-3620/GVS-5

TM 11-6625-2684-30	Direct Support Maintenance Manual for Test Set, Laser Infrared Observation Device TS-3620/GVS-5
TM 11-6625-2684-30P	Direct Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for Test Set, Laser Infrared Observation Device TS-3620/GVS-5
CERCOM DMWR 11-6625-2684	Depot Maintenance Work Requirement for Test Set, Laser Infrared Observation Device TS-3620/GVS-5
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel From the Federal Supply System

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

JESD625-A	Requirements for Handling Electrostatic-Discharge-Sensitive (ESDS) Devices
ANSI/ISO/ASQC Q9002-1994	Quality Systems- Model for Quality Assurance in Production, Installation, and Servicing

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, 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, Attn: Contracting Officer (Code 891), 814 Radford Blvd., Albany, Georgia 31704-1128, 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 851-3, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and/or calibrate the TS-3620/GVS-5. Upon completion of repairing the subject item, it shall be Condition Code "A."

3.2 Detailed Tasks. The following tasks describe the different phases for repair of the TS-3620/GVS-5:

Phase I	Pre-Induction
Phase II	Repair
Phase III	Inspection, Testing, and Acceptance
Phase IV	Packaging, Handling, Storage, and Transportation (PHS&T)

3.2.1 Phase I- Pre-Induction. The Contractor shall perform a pre-induction inspection analysis for each TS-3620/GVS-5 within 5 working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Logistics Base (Code 833-1), Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. The Pre-Induction checklist, which consist of DA Form 2404 (Appendix A) and Standard Form 364 (Appendix B), shall be used to report all anomalies and shall be provided to the Government (MCLBA Code 833-1) 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 TS-3620/GVS-5 shall be accomplished by the Contractor in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist (Appendix A and Appendix B) during Phase I shall be repaired/ replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety items, and one-time use items. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

b. Publications and Documentation: The following publications shall be used to assist the Contractor in restoring the TS-3620/GVS-5 to condition code "A."

TB 9-6625-2129-50	Calibration Procedure for Laser Infrared Observation Device Test Set TS-3620/GVS-5
TM 11-6625-2684-12	Operator and Organizational Maintenance Manual for Test Set, Laser Infrared Observation Device TS-3620/GVS-5
TM 11-6625-2684-20P	Organizational Maintenance Repair Parts and Special Tools Lists for Test Set, Laser Infrared Observation Device TS-3620/GVS-5
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CERCOM DMWR 11-6625-2684	Depot Maintenance Work Requirement for Test Set, Laser Infrared Observation Device TS-3620/GVS-5

3.2.3 Phase III - Inspection, Testing, and Acceptance

a. The Contractor shall conduct Inspection, Testing and Acceptance of the TS-3620/GVS-5 in accordance with the publications listed in paragraph 3.2.2.b.

b. The Contractor shall be responsible for conducting required tests in accordance with applicable procedures and specifications.

c. 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 items being repaired under the terms of this SOW. Items scheduled for long-term storage or shipment to overseas destination shall be in accordance with the level "A" requirements in accordance with MIL-STD-2073-1D, Appendix A, Table A.VI, Electronic Equipment. Items scheduled for domestic shipment for immediate use or short-term storage shall be in accordance with level "B" requirements.

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

c. The Marine Corps will provide the Contractor with the shipping address(es) for delivery of the repaired equipment. The Contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). 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 Logistics Bases, Albany, Georgia, 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 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 receiving prior written authorization from the Weapon System Manager (Code 833-1.) If it is necessary to temporarily depart from the authorized configuration, the Contractor shall submit a Request for Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

3.6 Electrostatic Discharge (ESD) Control Program. The Contractor shall establish, implement and document an ESD control program following the guidelines provided in JESD625-A. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

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 Q9002-1994, Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include 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 (MCLBA Code 833-1) 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.

3.8 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 (MCLBA Code 833-1) representatives shall be permitted to observe the work or to conduct an inspection.

3.9 **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.

4.0 **REPORTS**. Unless otherwise specified, the Contractor is required to submit reports to the following address: Supply Chain Management Center, Attn: Code 833-1, 814 Radford Blvd STE 20320, Albany, GA 31704-0320.

4.1 **Pre-Induction Checklist**. The Contractor shall complete the Pre-Induction Inspection Checklist (Appendix A and Appendix B) for each TS-3620/GVS-5 repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to the Government (MCLBA Code 833-1) after final acceptance of the TS-3620/GVS-5.

4.2 **Repairable Item Inspection Report**. The Contractor shall provide a Repairable Item Inspection Report to the Government (MCLBA Code 833-1) for each TS-3620/GVS-5 repaired.

4.3 **Monthly Progress Reports**. The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the TS-3620/GVS-5 Program to the Government (MCLBA Code 833-1).

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

1. ORGANIZATION					2. NOMENCLATURE and MODEL	
2. REGISTRATION/SERIAL/NSN	4a. MILES	4b. HOURS	4c. ROUNDS FIRED	4d. HOT STARTS	5. DATE	6. TYPE INSPECTION

7. APPLICABLE REFERENCES			
TM NUMBER	TM DATE	TM NUMBER	TM DATE

COLUMN a - Enter TM number.

COLUMN b - Enter applicable condition status Symbol.

COLUMN c - Enter deficiencies and shortcomings.

COLUMN d - Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e - Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" - Indicates a deficiency in the equipment that places it in an inoperative status.

CIRCLED "X" - Indicated a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until the corrective action can be accomplished.

HORIZONTAL DASH "(-)" - Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)" - Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLACK-BLUE INK, OR PENCIL - Indicates that a satisfactory condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE *(Person(s) performing inspection)*	8b. TIME	9a. SIGNATURE *(Maintenance Supervisor)*	9b. TIME	10. MANHOURS REQUIRED

TM ITEM NO. a.	STATUS b.	DEFICIENCIES AND SHORTCOMINGS c.	CORRECTIVE ACTION d.	INITIAL WHEN CORRECTED e.

DA FORM 2404
1 APR 79

Procedes edition of 1 Jan 84, which will be used

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/Shipmnet, Contract, etc)*	7b. OFFICE ADMINISTERING CONTRACT	8. REQUISITIONER'S NUMBER *(Requisition, Purchase Request, etc.)*

9. SHIPMENT, BILLING, AND RECEIPT DATA				10. DISCREPANCY DATA				11.
NSN/PART NUMBER AND NOMENCLATURE (a)	UNIT OF ISSUE (b)	QUANTITY SHIPPED/ BILLED (c)	QUANTITY RECEIVED (d)	QUAN-TITY (a)	UNIT PRICE (b)	TOTAL COST (c)	1 CODE (d)	

12. REMARKS *(continue on separate sheet of paper if necessary)*

1. DISCREPANCY CODES		2. ACTION CODES
CONDITION OF MATERIAL C1 - In condition other than that indicated on release/receipt document C2 - Expired shelf life C3 - Damaged parcel post shipment SUPPLY DOCUMENTATION D! - Not received D2 - Illegible or mutilated D3 - Incomplete, Improper or without authority *(Only when receipt cannot be properly processed)* MISDIRECTED MATERIAL M1 - Addressed to wrong activity OVERAGE/DUPLICATE SHIPMENTS O1 - Quantity in excess of that on receipt document O2 - Quantity in excess of that requested *(Other than unit of issue pack)* O3 - Quantity duplicate shipment PACKING DISCREPANCY P1 - Improper preservation P2 - Improper packing P3 - Improper Marking P4 - Improper unitization	PRODUCT QUALITY DEFICIENCIES Q1 - Deficient material *(Applicable to Grant Aid and FMS shipments)* SHORTAGE OF MATERIAL S1 - Quantity less than that on receipt document S2 - Quantity less than that requested *(Other than unit of issue pack)* S3 - Non-receipt of parcel post shipments ITEM TECHNICAL DATA MARKINGS *(i.e., Name Plates, Log Books, Operating Handbooks, Special Instructions, etc.)* T1 - Missing T2 - Illegible or Mutilated T3 - Precauttionary operational markings missing T4 - Inspection data missing or incomplete T5 - Serviceability operating data missing or incomplete T6 - Warranty data missing WRONG ITEM *(Identify requested item as a separate copy in Item 9. above)* W1 - Incorrect item received W2 - Unacceptable substitute OTHER DISCREPANCIES Z1 - See Remarks	1A - Disposition instructions requested *(Reply on reverse)* 1B - Material being retained *(See Remarks)* 1C - Supporting supply documentation requested 1D - Material still required, expedite shipment *(Not applicable to FMS)* 1E - Local purchase material to be returned at supplier's expense unless disposition instructions to the contrary are received within 15 days *(Reply onreverse) (Not applicable to FMS)* 1F – Replacement shipment requested *(Not applicable to FMS)* 1G – Reshipment not required. Item to be re-requisitioned 1H - No action required. Information only 1Z - Other action requested *(See remarks)*

13. FUNDING AND ACCOUNTING DATA

14a. TYPED OR PRINTED NAME, TITLE, AND PHONE NUMBER OF PREPARING OFFICIAL	14b. SIGNATURE

15. DISTRIBUTION ADDRESSEES FOR COPIES

364-103 7540-00-159-4442 *(Previous edition is obsolete)* STANDARD FORM 364 (Rev. 2-80) (EG)
Prescribed by GSA FPMR 101.20.0

Appendix B

16. FROM:	17. DISTRIBUTION ADDRESSEES FOR DISTRIBUTION

18. TO:	
☐	Use window envelope to mail this document. Insert Name and address, including ZIP Code, starting one typing space below the left dot. Each address line must NOT extend beyond right dot. Address must not exceed four single space typing lines. ☐

19. IN ACCORDANCE WITH NOTICE OF DISCREPANCY ON FACE OF THIS FORM:

a. MATERIAL	DOCUMENT NUMBER	b. ☐ NO RECORD OF SHIPMENT. RESUBMIT REPORT TO PROPER OFFICE UNDER
☐ HAS BEEN ☐ WILL BE SHIPPED		
c. ☐ AN ADJUSTMENT IN BILLING HAS BEEN/WILL BE PROCESSED AS A ☐ CREDIT ☐ DEBIT		d. ☐ INVOICE/BILL ATTACHED e. ☐ 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

		DAYS
a. ☐ PROCESS FOR DISPOSAL IN ACCORDANCE WITH SERVICE/AGENCY DIRECTIVES	b. ☐ REPRESENTATIVE WILL CALL FOR DISCUSSION CONCERNING DISPOSITION	
c. ☐ RETAIN MATERIAL AT NO CHARGE	d. ☐ MATERIAL WILL BE PICKED UP IN:	DAYS

e. ☐ SHIP MATERIAL *Specify location)*

(1) ☐ GBL APPROPRIATION CHARGEABLE:

(2) ☐ CHARGES COLLECT - VIA: ☐ FREIGHT ☐ EXPRESS ☐ PARCEL POST

(3) ☐ PARCEL POST LABEL ATTACHED (4) ☐ FREIGHT PREPAID

($

f. ☐ OTHER *(Specify)*

		DATE
21 ☐ IF MATERIAL IS STILL REQUIRED, SUBMIT NEW REQUISITION.	22 ☐ REPLACEMENT WITH SATISFACTORY MATERIAL WILL BE MADE ON/OR BEFORE:	

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

STANDARD FORM 364 BACK (REV. 2-80)