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**SOW-01-843-2-ZY-12-1/1**

**STATEMENT OF WORK (SOW)  
For the Repair of the  
GEODETIC POSITIONING SYSTEM RECEIVER  
P/N: ZY-12; CAGE CODE: 0GNK2**

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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 to repair the Geodetic Positioning System Receiver, ZY-12, hereafter referred to as the GPS Receiver. This document contains requirements to restore the GPS Receiver 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." The GPS Receiver contains a cryptographic chip and should be handled in accordance with CMS-1, Communications Security Material System (CMS) Policy and Procedures Manual.

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

**2.2 Other Government Documents and Publications**

CMS-1	Communications Security Material System (CMS) Policy and Procedures Manual
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

**2.3 Industry Standards**

ANSI/EIA-625-1994	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
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## ANSI/ISO/ASQC Q9001-1994 Quality Systems

(Copies of military specifications and standards are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 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, Attn: Contracting Officer (Code 891) Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd. Suite 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:

- a. Provide materials, labor, equipment, facilities, and missing/repair parts necessary to inspect, diagnose, restore, and test and calibrate the GPS Receiver. Upon completion of repairing the subject item, it shall be in Condition Code "A".
- b. Provide all tools and test equipment required to test, inspect, and calibrate the GPS Receiver.
- c. Conduct in-process and final on-site testing for witness by a Marine Corps Logistics Bases (MCLB), Albany, GA, representative if required.
- d. Be responsible for all structural, electrical, and mechanical requirements associated with the restoration of the GPS Receiver.

**3.2 Detail Tasks.** The following tasks describe the different phases for repair of the GPS Receiver.

**3.2.1 Phase I (Pre-Induction).** A pre-induction inspection analysis shall be performed for each GPS Receiver using the Contractor's facility's diagnosis, inspection, and testing techniques to determine the extent of work and parts required. These findings shall be incorporated in to the Repairable Item Inspection Report and shall be provided to the government 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 GPS Receiver shall be accomplished in accordance with this SOW. Deficiencies noted during the pre-induction inspection 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. Any Engineering Change Proposals and Modification Instructions shall be implemented.

a. **Hardware**

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

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

b. **Publications and Documentation.** The Contractor shall use appropriate technical documentation, i.e., technical manuals (TMs), maintenance instructions, engineering drawings, etc., to restore the GPS Receiver to condition code "A".

**3.2.3 Phase III (Inspection, Testing and Acceptance)**

a. Inspection, testing, and acceptance of the GPS Receiver shall be conducted in accordance with documents and TM's retained by the manufacturer.

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 843-2), 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 statement of work. Items being prepared for long term storage or overseas shipment shall be level "A" requirements in accordance with MIL-STD-2073-1C, Appendix A, Table A.V.I., Electronic Equipment. Items being prepared for domestic shipment or immediate use shall be in accordance with level "B" requirements.

b. Marking 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 central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor's 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 (CFM).** 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 Q9001-1994, Quality System Model for Quality Assurance in Design, Development, Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include design, 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 843-2), 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.** The Contractor shall provide a Repairable Item Inspection Report for each GPS Receiver received. The report shall be identified by United States Marine Corps Serial Number.

