

STATEMENT

OF

WORK

(SOW)

FOR THE
REBUILD OF THE

AAV POWER RELAY UNIT

NSN 1010-01-258-9660

<u>PARAGRAPH</u>	<u>TITLE</u>	<u>PAGE</u>
1.0	Scope	1.
1.1	Background	1
2.0	Applicable Document	1
2.1	Military Standards	1
2.2	Other Government Documents and Publications	1
2.3	Industry Standards	2
3.0	Requirements	2
3.1	General Tasks	2
3.2	Detailed Tasks	3
3.2.1	Phase I-Rebuild	3
3.2.2	Phase II-Inspection, Testing, and Acceptance	3
3.2.3	Packaging, Handling, Storage, and Transportation	4
3.3	Configuration Control	4
3.4	Government Furnished Equipment(GFE)/Government Furnished Materiel(GFM)	5
3.5	Contractor Furnished Materiel	5
3.6	Quality Assurance Provisions	5
4.0	Reports/Documentation	6

STATEMENT OF WORK FOR THE
POWER RELAY UNIT
REBUILD
NSN 1010-01-258-9660

1.0 SCOPE. This Statement of Work (SOW), along with TM 10004A-25&P/2 establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Power Relay Unit. These documents contain minimum requirements to restore the Power Relay Unit to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable and issuable to all customers without limitations or restrictions". The Power Relay Unit is identified by National Stock Number 1010-01-258-9660.

1.1 BACKGROUND. Rebuild is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

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 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

Military Standards (Guidance Only)

MIL-STD-973 Configuration Management

2.2 Other Government Documents and Publications

DoD 4160.21-M Defense Materiel Disposition Manual

TM 10004-25&P/2	Maintenance Instruction Upgunned Weapons Station (UGWS), Assault Amphibious Vehicle, Personnel, Model 7A1, AAV7A1
TM 2350-45	DMA Standard Procedures
TI-4700-45/6B	Installation of Repair/Overhaul Data Plates- All Equipment End Items Assemblies and Components
Drawing 6289559	Power Relay Unit
DTD	“MEARs” Document Type Definitions
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/ISO/ASQC Q 9003-1994 Quality Systems	Quality System-Model for Quality Assurance in Final, Inspection and Test
--	---

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, PA, Building 4D 700 Robbins Avenue Philadelphia, PA 19111-5094, Telephone (215) 679-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Bases , Attn: Publication Branch (Code 876), Albany, Georgia 31704-5000. Commercial (912) 439-5818/19, or DSN 567-5818/19. Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Life Cycle Management Center, Attn: (Code 825-3), 814 Radford Blvd STE 20302 Albany Georgia 31704-0320, Commercial (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, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the Power Relay Unit fully operational. Upon completion of the rebuild, the Power Relay Unit shall be Condition Code "A".

b. Conduct final-on-site testing which shall be witnessed by Marine Corps Logistics Base MARCORLOGBASEALB, Albany, Georgia (Code 834-1) representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Power Relay Unit specified in TM 10004A-25&P/2, TM 2350-45, TI-4700-45/6B.

d. Ensure all Power Relay Unit meet the configuration of Naval Sea System Command Drawing 6289559.

e. All mandatory replacement parts identified in TM 10004A-25&P/2 shall be replaced 100%. Economical replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the Power Relay Unit.

3.2.1 Phase – I – Rebuild. The contractor shall receive the Power Relay Unit for rebuild. The contractor shall then disassemble the Power Relay Unit into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 10004A-25&P/2, ANSI/ISO/ASQC Q9003-1994 and this SOW. The contractor shall be responsible for supplying all equipment, tools, test equipment, and materials for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Power Relay Unit is defined by the specifications annotated on current revision level of Naval Sea System Command drawing 6289559. Upon completion of the rebuild, the Power Relay Unit shall be in condition code "A". A Rebuild Data Plate shall be installed in accordance with TI-4700-45/6B

3.2.2 Phase II – Inspection, Testing, Acceptance.

a. Inspection, testing, and acceptance of the Power Relay Unit shall be conducted in accordance with TM 10004A-25&P/2 and ANSI/ISO/ASQC.Q9003-1994

b. The contractor shall provide a certificate of Conformance with delivery of the final product attesting the product meets or exceeds the requirement of the SOW and any deficiencies discovered will be corrected by the contractor. Any deficiencies discovered will be corrected by the contractor.

3.2.3 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 being prepared for domestic destinations or immediate use shall be to level "B". Items being prepared for long term storage or shipment to overseas destinations shall be in accordance with level "A" requirements MIL-STD-2073-1C, Appendix A, , Table A.VI Electronic Equipment,. Items being prepared for domestic destinations or immediate use shall be to level "B" requirements.

b. Marking shall conform to MIL-STD-129.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the rebuilt equipment, and the contractor shall be responsible for arranging for shipment to the predesignated site(s). The Marine Corps will be responsible for transportation cost associated with the shipping the subject equipment to and from the contractor.

3.3 Configuration Control

a. The contractor shall apply configuration control to established configuration items. The contractor shall not implement a design or performance change to items without receiving prior authorization from the contracting activity. The need to deviate from the written procedures or materials contained in the technical manuals/engineering drawings shall be requested by the electronic submission of a Request for Deviation(RFD)/Request for Waiver(RFW). MIL-STD-973, paragraph 5.4.3 or 5.4.4, provide guidance for preparing these configuration change documents. The contractor shall be furnished with MEARS Document Type Definitions (DTD), and either the associated template for the production of electronic RFD/RFWs or the MEARS CREATE application. All electronic change submission shall be prepared in accordance with the DTD. Delivery media and formats are contained in the application Contract Data Requirement List.

b. The submission of electronic files shall be accomplished by the originator placing the file RFD/RFW files on the MCLBA shared drive, matcomapps05/mears/foaav or equivalent address. The originator shall notify the contracting activity of a RFD residing on applicable server by e-mail, As an alternative to placing the RFD/RFW on the server, the originator may e-mail the document using .zip files.

3.4 Government Furnished Equipment (GFE) and 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 material furnished to a contractor that will be consumed during the course of production or incorporated into a 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) at MCLB (MCA Code 827-2) will coordinate required GFE and will maintain a central control on Marine assets in the Contractors possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 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 DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6. Quality Assurance Provisions

3.6.1 The performance of the contractors quality of work performed, material provided and documents written shall be subject to in-process review and inspection by the MARCORLOGBASEALB representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections at any reasonable hour. Acceptance Tests shall be held in-plant. The MARCORLOGBASEALB representative requires, at a minimum, two weeks notice before any acceptance testing is to be done, to allow for sufficient time for witnessing these tests. Inspection by the MARCORLOGBASEALB representative of all acceptance tests, materials and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

3.6.2 The contractor shall provide and maintain a Quality System that as a minimum, adheres Quality Assurance in Production, Installation, and Servicing. The contractors work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MARCORLOGBASEALB representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the contractors responsibility to ensure that the entire system meets the performance requirements of this SOW.

4.0 Reports/Documentation

4.1 Report/Documentation that are required:

a. The contractor shall provide a Monthly Parts Usage Report on each Power Relay Unit. The report shall be sequenced by Master Work Schedule Line Number and Production Number. (MWSLIN)

b. The contractor shall provide a monthly Production Status Report summarizing the progress and status of the Power Relay Unit.

