Draft
Maintenance Concept Remains Consistent with Prior Fiscal Year

Statement of Work (SOW)

for the

Rebuild

of the

Shaft Assembly Final Drive

NSN 2520-00-450-7502

Statement of Work (SOW)
for the Rebuild of the
Assault Amphibious Vehicle (AAV) Shaft Assembly Final Drive
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Statement of Work (SOW) for the Rebuild of the Assault Amphibious Vehicle (AAV) Shaft Assembly Final Drive NSN 2520-00-450-7502

1.0 SCOPE. This Statement of Work (SOW), along with TM 09674A-25&P/4B establishes, sets forth tasks and identifies the work efforts that shall be performed by the Contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Shaft Assembly Final Drive, NSN 2520-00-450-7502. This document contains minimum requirements to restore the Shaft Assembly Final Drive 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 restriction, including material with more than six months shelf life remaining".

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 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 herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1D(1)	DoD Standard Practice for Military Packaging
MIL-STD-129	DoD Standard Practice: Military Marking for Shipment and Storage

2.2 Other Government Documents and Publications

DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
DoD 4160.21-M-1	Defense Demilitarization Manual

TM 09674A-25&P/4B	Maintenance Instruction and Repair Parts List Organizational, Intermediate and Depot Assault Amphibious Vehicle Model 7A1 Family of Vehicles and RAM/RS
TM 2350-45	DMA Standard Procedures
RS 3.4A	Rebuild Standards for the AAVP7A1
Engineering Drawing 2584466, CAGE 80064	Shaft Assembly Final Drive

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems-Requirements

Industry Standards (For Guidance)

ANSI/EIA-649	National Consensus Standards for Configuration Management

Copies of Military Standards and Specifications 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 442-1279, or on the Internet at http://www.dodssp.daps.mil. Copies of other government documents and publications required by the contractor in connection with specific SOW requirements shall be obtained from the Commanding General (Code 586), Whse 1121, 814 Radford Blvd., STE 20321, Marine Corps Logistics Command, Albany Georgia 31704-0321, commercial telephone number (229) 639-5818/8988 or DSN 567-5818. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 556-1A, 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:

a. Provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the Shaft

Assembly Final Drive fully operational. Upon completion of rebuild, the Shaft Assembly Final Drive shall be Condition Code "A".

b. Conduct final-on-site testing, which Marine Corps System Command (MCSC) (PMM143), Albany, Georgia representative shall witness.

c. The Contractor shall be responsible for all structural and mechanical requirements associated with the rebuild of the Shaft Assembly Final Drive as specified in TM 09674A-25&P/4B and this SOW.

d. Ensure all Shaft Assembly Final Drives meet the configuration of Engineering Drawing 2584466, CAGE 80064.

e. All mandatory replacement parts shall be replaced in accordance with TM 09674A-25&P/4B. Economically 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-1.

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the Shaft Assembly Final Drive.

3.2.1 Phase I - Rebuild. The Contractor shall receive Shaft Assembly Final Drive for rebuild. The Contractor shall then disassemble the Shaft Assembly Final Drive into components and conduct the rebuild process. The Contractor shall rebuild components in accordance with the requirements in TM 09674A-25&P/4B 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 Shaft Assembly Final Drive defined by the specifications annotated on current revision levels of Engineering Drawing 2584466, CAGE 80064.

3.2.2 Phase II - Inspection, Testing, and Acceptance. Inspection, testing, and acceptance of the Shaft Assembly Final Drive shall be conducted in accordance with TM 09674A-25&P/4B, RS 3.4A, and ANSI/ISO/ASQC Q9001-2000. The Contractor shall correct any deficiencies discovered.

3.2.3 Phase III - Packaging, Handling, Storage and Transportation (PHS&T)

a. The Contractor shall be responsible for the application of preservation and packaging on deliverables under the terms of this SOW. Preservation and packaging shall be Level "A" in accordance with MIL-STD-2073-1D(1).

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 upgraded equipment, and the Contractor shall be responsible for arranging for

shipment to the pre-determined site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Configuration Control

a. 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. Procedures or materials contained in manuals, standards and instructions, or engineering drawings/documents define the item's characteristics. If deemed necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request For Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing RFDs.

b. The creation and submission of RFDs shall be accomplished using MEARS CREATE software, which resides at a secure web site, https://mears1.redstone.army.mil. For the purpose of gaining access to the web site, the Contractor shall request user-id and password privileges from the Requiring Office (Code 566-1A) identified in Block 6 of the applicable Contract Data Requirements List. The Contractor shall direct technical or functional questions concerning usage of MEARS CREATE software to the Requiring Office for guidance. The Contractor shall notify the Requiring Office by electronic mail when completed RFDs are ready for formal submission.

3.4 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 or DSN 567-5498. If Depot Source of Repair (DSOR) mandated, assets at repair facility will not be considered GFE/GFM.

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materials as required in the performance of this SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11, provides guidance to the 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.

3.6. Quality Assurance Provisions

3.6.1 The performance of the Contractor's quality of work, materiel provided and documents written shall be subject to in-process review and inspection by the MCSC (PMM143), Albany, Georgia representative during contract performance. Inspection may be accomplished at any

work location. The MCSC (PMM143), Albany, Georgia representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections at any reasonable hour within Contractor's normal working hours. Acceptance tests shall be held in-plant. The MCSC (PMM143), Albany, Georgia representative requires, at a minimum, two weeks notification of acceptance test to allow for sufficient time for MCSC (PMM143), Albany, Georgia representative to witness acceptance. Inspection by the MCSC (PMM143), Albany, Georgia 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 to the requirements of ANSI/ISO/ASQC Q9001-2000, Quality Management Systems-Requirements. The Contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MCSC (PMM143), Albany, Georgia 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 Contractor's responsibility to ensure that the entire system meets the performance requirements of this SOW.

4.0 REPORTS. All reports deliverables shall be submitted in hard copy to Commanding General, Marine Corps Systems Command, Attn: PMM143, 814 Radford Blvd, STE 20343, Albany, Georgia 31704-0343, unless directed otherwise in a Contract Data Requirements List.

4.1 Monthly Production Status Report. A monthly Production Status Report shall be submitted summarizing the progress and status of the Shaft Assembly Final Drive.