Draft
Maintenance Concept Remains Consistent with Prior Fiscal Year

STATEMENT OF WORK

(SOW)

FOR THE REBUILD

OF THE

ASSAULT AMPHIBIOUS VEHICLE

RAM (AAV-RAM)

VT-525 FINAL DRIVE ASSEMBLY

NSN 2520-01-463-8091

STATEMENT OF WORK
FOR THE
REBUILD OF THE AAV-RAM VT-525 FINAL DRIVE ASSEMBLY
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Table of Contents

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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 AAV-RAM VT-525 Final Drive Assembly configuration, P/N 7010045, NSN 2520-01-463-8091, CAGE 0MLM6, hereafter referred to as the "VT-525 Final Drive Assembly." This document contains minimum requirements to rebuild the VT-525 Final Drive Assembly 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".

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	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 Requisition and Issue Procedures (MILSTRIP)
DoD 4160.21-M	Defense Material Disposition 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
TI 990301	Installation and Assembly of the 525 HP Power Plant Assembly Integration Kit (Appendix A)
Engineering Drawing 7010045 CAGE 0MLM6	VT-525 Final Drive Assembly
ASTM D 3951	Standard Practice for Commercial Packaging

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 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 requirements shall be obtained through the Contracting Officer: Contracts Department (Code 891), P.O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Command, Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawing, 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:

a. Provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the VT-525 Final Drive Assembly fully operational. Upon completion of rebuild, the VT-525 Final Drive Assembly shall be Condition Code "A".

b. Conduct final-on-site testing, which shall be witnessed by the Marine Corps Systems Command (MCSC) (AAVS), Albany, Georgia representative.

c. The contractor shall be responsible for all structural and mechanical requirements associated with the rebuild of the VT-525 Final Drive Assembly as specified in TM 09674A-25&P/4B, MIL-STD-2073-1D, MIL-STD-129 and this SOW.

d. Ensure all VT-525 Final Drive Assemblies upon rebuild meet the configuration of Engineering Drawing 7010045, CAGE 0MLM6 .

e. All mandatory replacement parts shall be replaced in accordance with TM 09674A-25&P/4B and TI 990301. 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.

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the VT-525 Final Drive Assembly.

3.2.1 Phase I - Rebuild. The contractor shall receive VT-525 Final Drive Assembly for rebuild. The contractor shall then disassemble the VT-525 Final Drive Assembly 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 VT-525 Final Drive Assembly is defined by the specifications annotated on current revision levels of Engineering Drawing 7010045, CAGE 0MLM6.

3.2.2 Phase II - Inspection, Testing, and Acceptance. Inspection, testing, and acceptance of the VT-525 Final Drive Assembly 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 preservation and packaging of item(s) being rebuilt 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-2073-1D,

Appendix J, Table J.Ia, Specialized preservation code "DB". Items scheduled for domestic shipment for immediate use shall be in accordance with the best commercial practices of ASTM D 3951. Items scheduled for overseas shipment for immediate use shall be in accordance with the best commercial practices of ASTM D 3951, Paragraph 6.1, and Export Shipments.

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 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 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 MEARS 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 property responsibility 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 DD 1348 to Materiel and Distribution Department, Distribution Management Department, 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.

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 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 performed, materiel provided and documents written shall be subject to in-process review and inspection by the MCSC (AAVS), Albany, Georgia representative during contract performance. Inspection may be accomplished at any work location. The MCSC (AAVS), Albany, Georgia 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 MCSC (AAVS), Albany, Georgia representative requires, at a minimum, two weeks notification of acceptance tests to allow for sufficient time for MCSC (AAVS), Albany, Georgia representative to witness acceptance. Inspection by the MCSC (AAVS), 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 (AAVS), 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 report deliverables shall be submitted in hard copy to Marine Corps Systems Command, Attn: (AAVS), 814 Radford Blvd, Suite 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 VT-525 Final Drive Assembly.