Draft Maintenance Concept Remains Consistent with Prior Fiscal Year

STATEMENT OF WORK (SOW)

FOR THE REBUILD OF THE

ASSAULT AMPHIBIOUS VEHICLE (AAV)

FOR THE

HS-400-3A1-1 TRANSMISSION

NSN 2520-01-390-3750

AND THE

HS-400-3A1-1 TRANSMISSION WITH CONTAINER

NSN 2520-01-400-2206

STATEMENT OF WORK (SOW)
FOR THE REBUILD OF THE
ASSAULT AMPHIBIOUS VEHICLE (AAV)
FOR THE
HS-400-3A1-1 TRANSMISSION
NSN 2520-01-390-3750
AND THE
HS-400-3A1-1 TRANSMISSION WITH CONTAINER
NSN 2520-01-400-2206

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STATEMENT OF WORK (SOW) FOR THE REBUILD OF THE ASSAULT AMPHIBIOUS VEHICLE (AAV) FOR THE HS-400-3A1-1 TRANSMISSION NSN 2520-01-390-3750 AND THE HS-400-3A1-1 TRANSMISSION WITH CONTAINER NSN 2520-01-400-2206

1.0 SCOPE. This Statement of Work (SOW), along with TM 8F152B-25&P/A establishes, sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for the purpose of this SOW, Contractor is defined as the commercial or government entity performing the rebuild) in the rebuild of the Assault Amphibious Vehicle (AAV) HS-400-3A1-1 Transmission and HS-400-3A1-1 Transmission with Container, hereafter referred to as the HS-400 Series Transmission. This document contains minimum requirements for the rebuild of the HS-400 Series Transmission 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, including materiel with more than six months shelf-life remaining". The HS-400-3A1-1 Transmission is identified by NSN 2520-01-390-3750, ID #8G441B and the HS-400-3A1-1 Transmission with Container is identified by NSN 2520-01-400-2206, ID #8G553B.

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 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 4160.21-M-1	Defense Demilitarization Manual
TM 2350-45	DMA Standard Procedures
TM-8F152B-25&P/A	Power Plant Assembly Assault Amphibious Vehicle (7A1 Family of Vehicles and RAM/RS)
Engineering Drawing 6227600 CAGE 80064	Transmission Assembly HS-400-3A1-1
Engineering Drawing 6227606 CAGE 80064	Transmission Assembly HS-400-3A1-1 with Container
Engineering Drawing 5419069 CAGE 53711	Plate, Data, Overhaul Conversion
DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)

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 Standard for Configuration Management

Copies of Military Specifications and Standards are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4D, 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 render, yet not be limited to the following tasks:

a. Provide components, materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the HS-400 Series Transmission fully operational. Upon completion of the rebuild HS-400 Series Transmission shall be Condition Code "A". Pre-inspection, and acceptance of the HS-400 Series Transmission prior to rebuild shall be conducted in accordance with TM 8F152B-25&P/A.

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Systems Command (MCSC), Assault Amphibious Vehicle System (CBG), Albany, Georgia representative.

c. The Contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the HS-400 Series Transmissions as specified in TM 8F152B-25&P/A and this SOW.

d. Ensure all HS-400 Series Transmissions meet the configuration of Engineering Drawing 6227600, CAGE 80064, and Engineering Drawing 6227606, CAGE 80064. The HS-400 Series Transmission shall be minus the Hydrostatic Steering Unit and Power Take Off.

e. All mandatory replacement parts shall be replaced in accordance with TM 8F152B-25&P/A. 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 HS-400 Series Transmission.

3.2.1 Phase I -Rebuild. The Contractor shall receive HS-400 Series Transmission for rebuild. The Contractor shall then disassemble the HS-400 Series Transmission into components and conduct the rebuild process. The Contractor shall configure components in accordance with the requirements in TM-8F152B-25&P/A 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.

3.2.1.1 Rebuild Data Plate. Upon completion of the rebuild process, the Contractor shall install rebuild data plate on the HS-400 Series Transmission in accordance with Engineering Drawing 5419060, CAGE 53711, as identified in DMA Standards Procedure 20 in TM-2350-45. The rebuild data plate shall contain the NSN, part number, serial number, repair Contractor, and date the component's rebuild was completed.

3.2.2 Phase II- Inspection, Testing, and Acceptance. Inspection, testing, and acceptance of the HS-400 Series Transmission shall be conducted in accordance with TM-8F152B-25&P/A 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 on all 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, Method 54, HS-400 Series Transmission without Container, and Method 55 for the HS-400 Series Transmission with Container. Items scheduled for domestic shipment for immediate use or short-term storage shall be in accordance 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 rebuild equipment. 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 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. 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 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.

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materiels 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 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

a. The performance of the Contractor's quality of work performed, material provided and documents written shall be subject to in-process review and inspection by the MCSC (CBG), Albany, Georgia representative during contract performance. Inspection may be accomplished during normal Contractor's working hours. The MCSC (CBG), Albany, Georgia representative requires, at a minimum, two weeks notice of acceptance tests to allow for sufficient time for the MCSC (CBG), Albany, Georgia representative to witness the test. Inspection by the MCSC (CBG), Albany, Georgia representative of acceptance tests, materiels and associated list 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.

b. 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 the MCSC (CBG), 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 deliverables shall be submitted in hard copy to Marine Corps Systems Command, Attn: CBG, 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 HS 400 Series Transmission.