Draft Maintenance Concept Remains Consistent with Prior Fiscal Year

STATEMENT OF WORK (SOW)

FOR THE REBUILD OF THE

ASSAULT AMPHIBIOUS VEHICLE (AAV)

VT-400 ENGINE

NSN 2815-01-109-5052

AND THE

VT-400 ENGINE WITH CONTAINER

NSN 2815-01-140-8799

STATEMENT OF WORK FOR THE REBUILD OF THE ASSAULT AMPHIBIOUS VEHICLE (AAV) VT- 400 ENGINE NSN 2815-01-109-5052 AND THE VT-400 ENGINE WITH CONTAINER NSN 2815-01-140-8799

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STATEMENT OF WORK FOR THE REBUILD OF THE ASSAULT AMPHIBIOUS VEHICLE (AAV) VT-400 ENGINE NSN 2815-01-109-5052 AND THE VT-400 ENGINE WITH CONTAINER AND NSN 2815-01-140-8799

1.0 SCOPE. This Statement of Work (SOW), along with TM 88643B-45, establishes, sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Amphibious Assault Vehicle (AAV) VT-400 Engine and the VT-400 Engine with Container, hereafter referred to as Engine or Engine with Container. This document contains minimum requirements to restore the Engine or Engine with Container 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 limitations or restrictions including materiel with more than six months shelf-life remaining". National Stock Number (NSN) 2815-01-109-5052 identifies the Engine, and NSN 2815-01-140-8799 identifies the Engine with Container.

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 herein 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-129	DoD Standard Practice: Military Marking for Shipping and Storage

2.2 Other Government Documents and Publications

DoD 4160.21-M	Defense Materiel Dispositional Manual
TM 88643B-45	Maintenance Instruction and Rebuild Standards
TM 09674A-25&P/4B	Maintenance Instructions 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
MI 2350-25/97	DDM Transducer Relocation
MI 2350-50/81	Smoke Generator Manual Valve Retention
ECP E05068	Change Engine and Transmission Drain Hose
ECP E05135	Inst. of Engine and Transmission Oil Sampling Valves
ATPD 2232	Preparation for Shipment and Storage of: Engines
Naval Sea Systems Command Engineering Drawing 2600092, CAGE 80064	Engine, Diesel VT-400
Naval Sea Systems Command Engineering Drawing 2600062, CAGE 80064	Engine, Diesel VT-400 with Container
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 drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 566-1A, 814 Radford Blvd, STE 20302, 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 materiel, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, rebuild, and calibrate as required to make the Engine or the Engine with Container fully operational. Upon completion of rebuild, the Engine or Engine with Container shall be Condition Code "A".

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Systems Command (MCSC), Assault Amphibious Vehicle Systems (PMM143), Albany, Georgia representative.

c. The Contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Engine or the Engine with Container as specified in TM 88643B-45 and TM 09674A-25&P/4B.

d. Ensure all Engines or Engines with Containers meet the configuration of Naval Sea Systems Command Engineering Drawings 2600092, CAGE 80064 or Naval Sea Systems Command Engineering Drawing, 2600062, CAGE 80064.

e. All mandatory replacement parts identified in TM 09674A-25&P/4B shall be replaced 100 percent. 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 Engine or the Engine with Container.

3.2.1 Phase I - Rebuild. The Contractor shall receive Engine or the Engine with Container for rebuild. The Contractor shall then disassemble the Engine or the Engine with Container into components and conduct the rebuild process. The Contractor shall rebuild components in accordance with the requirements in TM 88643B-45, and this SOW. The Contractor shall be responsible for supplying all equipment, tools, test equipment, and materiels to conduct this effort. The Contractor shall be responsible for the integration and assembly of all components. All Modification Instructions (MIs) MI 2350-25/97 and MI 2350-50/81 and Engineering Change Proposals (ECPs) ECP E05068, ECP E05135 of this SOW will be applied. The configuration identification for the Engine is defined by the specifications annotated on current revision level of Naval Sea Systems Command Engineering Drawing 2600092 Cage, 80064. The Engine with Container is defined by the specifications annotated on current revision level of Naval Sea Systems Command Engineering Drawing 2600062 Cage 80064. A Rebuild Data Plate shall be installed in the center in the rear, below the item identification plate. The rebuild data plate shall contain the following (REBUILT BY:) (INSPECTED BY:) and (DATE REBUILT:). The plate shall be no more than .008 in thickness, "2 ¾" in length and ¾" in height.

3.2.2 Phase II - Inspection, Testing, and Acceptance

Inspection, testing, and acceptance of the Engine or the Engine with Container shall be conducted in accordance with TM 88643B-45 and ANSI/ISO/ASQC Q9001-2000, Quality Management Systems - Requirements. 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 of item(s) being repaired under the terms of this SOW. Items scheduled for long-term storage or shipment overseas destinations shall be in accordance with Level "A" requirements of ATPD 2232, Type II Engine with Container, and Type IV Engine without Container. Items scheduled for domestic shipment for immediate use or short-term storage shall be to Level "B" requirements.

b. Marking for shipping and storage shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the Contractor with 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 shall be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Configuration Management

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://mear1.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 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 (PMM143), Albany, Georgia representative during contract performance. Inspection may be accomplished at any work location. The MCSC (PMM143), Albany, Georgia representative requires, at a minimum, two weeks notice of acceptance tests to allow for sufficient time for the MCSC (PMM143), Albany, Georgia representative to witness acceptance. Inspection by the MCSC (PMM143), 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 (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 shall be submitted in hard copy to 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 Reports. A monthly Production Status Report shall be submitted summarizing the progress and status of the Engine or Engine with Container.