

STATEMENT

OF

WORK

(SOW)

FOR THE REBUILD OF THE AAV

VT- 400 ENGINES

NSN 2815-01-109-5052

AND THE AAV

VT-400 ENGINE WITH CONTAINER

NSN 2815-01-140-8799

SOW-03-834-1-88643C-1/1

Dated 29 November 2000

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

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AAV VT-400 ENGINE
NSN 2815-01-109-5052 AND THE
AAV VT-400 ENGINE WITH CONTAINER
NSN 2815-01-140-8799

1.0 SCOPE. This Statement of Work (SOW), along with TM 88643B-45 establishes and 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, hereafter referred to as the VT-400, or the VT-400 with Container. These documents contain minimum requirements to restore the VT-400 or VT-400 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". National Stock Number (NSN) 2815-01-109-5052 identifies the VT-400, and NSN 2815-01-140-8799 identifies the VT-400 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	Standard Practice for Military Marking
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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
2600092	Naval Sea System Command Drawing for the Engine, Diesel, VT-400
2600062	Naval Sea System Command Drawing for the Engine, Diesel, VT-400 With Container
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance
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2.3 Industry Standards

ANSI/ISO/ASQC Q9003-1994	Quality Systems-Model for Quality Assurance in Final Inspection and Test
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Industry Standards (For Guidance)

ANSI/EIA-649	National Consensus Standard for Configuration Management
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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 (215) 697-2179 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 (229) 639-5818/19, 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 851-3), 814

Radford Blvd STE 20302 Albany, Georgia, 31704-0320, Commercial (229) 639-6410 or DSN 567-6410.

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 VT-400 or the VT-400 with Container fully operational. Upon completion of rebuild, the VT-400 or VT-400 with Container shall be Condition Code "A".

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Logistics Bases (MARCORLOGBASEALB) (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 VT-400 or the VT-400 with Container as specified in TM 88643B-45, TM 09674A-25&P/4B, and MIL-STD-129.

d. Ensure all VT-400 or VT-400 with Container meet the configuration of Naval Sea System Command Drawings 2600092, or 2600062.

e. All mandatory replacement parts identified in TM 09674A-25&P/4B 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 VT-400 or the VT-400 with Container.

3.2.1 Phase I - Rebuild. The contractor shall receive VT-400 or the VT-400 with Container for rebuild. The contractor shall then disassemble the VT-400 or the VT-400 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 materials to conduct this effort. The contractor shall be responsible for the integration, assembly of all components. All Modification Instructions (MIs) and Engineering Change Proposals (ECPs) cited in paragraph 2.2, MI 2350-25/97, MI 2350-50/81, ECP E05068, ECP E05135 of this SOW will be applied. The configuration identification for the VT-400 is defined by the specifications annotated on current revision level of Naval Sea System Command Drawing 2600092. The VT-400 with Container is defined by the Specifications annotated on current revision level of Naval Sea System Command Drawing 2600062. A Rebuild Data Plate shall be installed centered 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 3/4" in length and 3/4" in height.

3.2.2 Phase II - Inspection, Testing, and Acceptance

Inspection, testing, and acceptance of the VT-400 or the VT-400 with Container shall be conducted in accordance with TM 88643B-45 and ANSI/ISO/ASQC Q9003-1994. 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 items being repaired under the terms of this SOW. Items being prepared for overseas shipment or long term storage shall be in accordance with level "A" requirements of ATPD 2232, Type IV. Items scheduled for domestic shipment, immediate use, or short-term storage shall be to level "B" requirements.

b. Marking shall be in accordance with MIL-STD-129.

c. The Marine Corps shall 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 it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

b. The creation and submission of RFDs shall be accomplished using MEARS CREATE software which resides at a secure web site, <http://mearsweb.redstone.army.mil>. The contractor shall request User-ID and password privileges from the contracting activity for the purpose of gaining access to the web site and creating RFDs. MEARS CREATE privileges for the contractor shall be limited to two representatives and shall provide their e-mail address to the contracting agency upon selection. The contractor shall notify the contracting activity by e-mail when completed MEARS RFDs are ready for formal submission and review by the contracting agency. The contractor shall direct technical or functional questions concerning usage of MEARS CREATE software to the contracting activity for guidance.

3.4 Government Furnished Equipment (GFE)/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 materiel furnished to a contractor that will be consumed during the

course of production or incorporated into a product being manufactured/remanufactured under a contract/SOW. In the event the Marine Corps does have a GFE/GFM requirement the Management Control Activity (MCA) at MARCORLOGBASEALB (MCA/Code 827-2), will coordinate required GFE and maintain a central control on Marine Corps assets in the contractor's possession. The MCA will forward a GFE Accountability Agreement to the contractor for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 Contractor Furnished Material (CFM)

The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.2A). In the event that CFM is required for repair parts, the contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6 Quality Assurance Provisions

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 MARCORLOGBASEALB (Code 834-1) representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB (Code 834-1) representative requires at a minimum, two weeks notice of acceptance tests to allow for sufficient time for the MARCORLOGBASEALB (Code 834-1) representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB (Code 834-1) representative of acceptance tests, materials 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.

The contractor shall provide and maintain a Quality System that as a minimum adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by the MARCORLOGBASEALB (Code 834-1) 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 REPORT\DOCUMENTATION

4.1 Report/Document that is required:

a. The contractor shall provide a monthly Production Status Report summarizing the progress and status of the VT 400 Engine.

