

STATEMENT
OF
WORK
(SOW)

FOR REPAIR OF
TWO
RELIABLE AND MAINTAINABLE/REBUILD TO
STANDARD (RAM/RS) AAVP7A1 VEHICLES

NSN 2350-01-458-7410
SOW-00-834-1-07007C-1/1
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STATEMENT OF WORK
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STATEMENT OF WORK
FOR REPAIR OF TWO RAM/RS AAVP7A1 VEHICLES
NSN 2350-01-458-7410

1.0 SCOPE. This Statement of Work (SOW), along with TM 09674A-25&P/4B establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor in the repair of the two damaged RAM/RS AAVP7A1 Vehicles from Camp Lejeune, NC. This document contains minimum requirements to repair both vehicles, C302/ USMC# 523228 and C304/ USMC# 522747, 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". The RAM/RS AAVP7A1 Vehicle is identified by National Stock Number (NSN) 2530-01-458-7410.

1.1 BACKGROUND. Repair 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-129	DoD Standard Practice for Military Marking
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Military Standards (Guidance Only)

MIL-STD-973	Configuration Management
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2.2 Other Government Documents and Publications

ATDP-2241	Automotive and Tank Command Purchase Description
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DoD 4160.21-M	Defense Materiel Disposition Manual
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TM 2350-45	DMA Standard Procedures
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TM 09674A-25&P/4B	Maintenance Instructions and Repair Parts List Organizational, Intermediate and Depot, Assault Amphibious Vehicle 7A1 Family of Vehicles and RAM/RS
TI-4700-45/6B	Installation of Repair/Overhaul Data Plates-All Equipment End Items Assemblies and Components
Drawing 5428747	Assembly Assault Amphibious Vehicle
DTD	Multi User Engineer Change Proposal Automated Review System“MEARS” Document Type Definitions
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel <i>from the Federal Supply System</i>

2.3 Industry Standards

ANSI/ISO/ASQC Q9003-1994	Quality Systems-Model for Quality Assurance in Final Inspection and Test
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Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 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 (912) 439-5818/19, 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 825-3), Marine Corps Logistics Bases, 814 Radford Blvd, STE 20302, Albany, Georgia 31704-3020, Commercial (912) 439-6410 or DSN 567-6410.

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 RAM/RS AAVP7A1's fully operational. Upon completion of the repair, the RAM/RS AAVP7A1's shall be Condition Code "A".

b. Conduct final-on-site testing which shall be witnessed by Marine Corps Logistics Base Albany, Georgia (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 repair of the RAM/RS AAVP7A1's as specified in TM 09674A-25&P/4B, MIL-STD 2073-1C, MIL-STD-129 and this SOW.

d. Ensure the RAM/RS AAVP7A1's meet the configuration of RAM/RS Drawing 5428747.

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 repair of the two RAM/RS AAVP7A1's.

3.2.1 Phase I – Repair. The Contractor shall receive the two RAM/RS AAVP7A1's for repair. MCA shall disassemble the AAVP7A1's and prepare the hulls for delivery to United Defense Limited Partnership (UDLP) for the hull repair.

3.2.1.1 The Contractor shall prepare the hulls for delivery to UDLP by performing the following:

- a. Remove the grills and center plates.
- b. Remove the power plant.
- c. Remove the Ugunned Weapon Station.
- d. Remove the Fire Bottles.
- e. Remove the Batteries.
- f. Remove the Suspension Components.
- g. Remove the Final Drives.
- h. Remove the old external Bow Plane Kit Components.
- i. Remove the Ramp Assembly.
- j. Remove the Hydraulic Hoses and Electric Harnesses in the Bow Pod.
- k. Drain the Right Angle Drives and leave in vehicle.
- l. Drain and Flush Fuel Tank and leave in vehicle.
- m. Cap all lines and hoses.
- n. All items not removed shall be closed and secured.

3.2.1.2 During the machining of the hull by UDLP, the Contractor shall test, repair, or replace the following items:

- a. Separate the Power Pack and Dyno the Transmission.
- b. Inspect integrity of Plenum Assembly.

- c. Inspect integrity of Bow Plane Actuator.
- d. Inspect integrity of Ramp.
- e. Repair Vision Blocks and Guards.
- f. Repair Cooling Tower's cracked and sheared inserts.
- g. Repair Headlight Assemblies.
- h. Assemble Power Pack and Ground Hop.

3.2.1.2.1 Specific work for Vehicle C302:

- a. Replace Bow Plane
- b. Replace Bow Plane Hinge and Pin on Port Side.
- c. Replace Ramp and Seal from a FY98 Vehicle.
- e. Repair/Replace both Engine and Transmission Mounts that are broken.
- f. Replace Surge Tank Strap on Cooling Tower.
- g. Repair/Replace Cooling Tower Air Duct.

3.2.1.2.2 Specific work for Vehicle C304:

- a. Replace Damaged Bow Plane Cylinder.
- b. Repair dent in Intake Plenum.
- c. Repair hole in Radiator.
- e. Repair Port Side Brake and Steering Housing.
- f. Repair Petcock on Engine After Cooler.
- g. Repair Drivers Seat.
- h. Check for Leak in Oil Pan and repair or replace.

3.2.1.3 The Contractor shall be responsible for supplying all equipment, tools, test equipment, and materiel, except the Bow Plane Kit Components, for conducting this effort. The Bow Plane Kits may be obtained by contacting Code 834-1 when Kit is required for assembly. The Contractor shall be responsible for the integration and assembly of all components. The configuration identification for the RAM/RS AAVP7A1's is Drawing 5428747. A Repair Data Plate shall be installed in accordance with TI-4700-45/6B.

3.2.2 Phase II - Inspection, Testing, and Acceptance

a. Inspection, testing, and acceptance of the AAV's shall be conducted in accordance with TM 09674A-25&P/4B and ANSI/ISO/ASQC Q9003-1994.

b. The Contractor shall provide a Certificate of Conformance with the delivery of the final product attesting the product meets or exceeds the requirement of this SOW. Any deficiencies discovered will be corrected by the Contractor.

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

a. The RAM/RS AAVP7A1 shall be prepared for shipment and storage in accordance with ATDP-2241 and the applicable Equipment Preservation Data Sheet (EPDS). EPDS's may be obtained from Life Cycle Management Center, Attn: Logistics Support Section (Code 822-1), 814 Radford Blvd, Suite 20320, Albany, Georgia, 31704-0320. Telephone (912) 439-6786. If the RAM/RS AAVP7A1's are scheduled for immediate shipment to other locations other than Maritime Prepositioned Forces (MPF), they shall be preserved to Level B, Drive-on-Drive-off.

b. The terms "Drive-On/Drive-Off" are defined as follows:

(1) Batteries shall be hot and disconnected from vehicle electrical system. Terminals and leads shall be taped. Fuel tank shall be filled ¼ tank full with approved fuel. The air intake system, exhaust system, brake system, drive train, and gauges shall be depreserved. Fire extinguisher brackets and seats shall be installed.

c. Marking shall conform to MIL-STD-129.

d. The Marine Corps will provide the Contractor with the shipping address(es) for delivery of the repaired RAM/RS AAVP7A1's. The Contractor shall be responsible for arranging for shipment to the predestinated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the RAM/RS AAVP7A1's to and from the contractor.

3.3 Configuration Management

a. The Contractor shall apply configuration control to established configuration items. The Contractor shall not implement a design or performance change to items without receiving prior authorization from the contracting activity. The need to deviate from the written procedures or materials contained in the technical manuals/engineering drawings shall be requested by the electronic submission of a Request for Deviation (RFD)/Request for Waiver (RFW). MIL-STD-973, paragraph 5.4.3 or 5.4.4, provide guidance for preparing these configuration change documents. The Contractor shall be furnished with MEARS Document Type Definitions (DTD), and either the associated template for the production of electronic RFD/RFWs or the MEARS CREATE application. All electronic change submissions shall be prepared in accordance with the DTD. Delivery media and formats are contained in the application Contract Data Requirements List (CDRL).

b. The submission of electronic files shall be accomplished by the originator placing the RFD/RFW files on the MARCORLOGBASESALB shared drive, matcomapps05/mears/foaay or equivalent address. The originator shall notify the contracting activity of a RFD residing on applicable server by e-mail. As an alternative to placing the RFD/RFW on the server, the originator may e-mail the document using .zip files.

3.4 Government Furnished Equipment (GFE) and 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 GFE/GFM requirements the Management Control Activity at MARCORLOGBASEALB (MCA/Code 827-2) will coordinate required GFE and will maintain a central control on Marine assets in the Contractors possession. The Management Control Activity will forward a GFE Accountability Agreement to the Contractor Facility for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 Contractor Furnished Materiel (CFM)

The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINS'T 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

3.6.1 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 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 test to allow for sufficient time for the MARCORLOGBASEALB representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB representative of 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 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 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/Documentation:

4.1 Reports/Documentation that are required:

a. The Contractor shall provide a Monthly Parts Usage Report on each AAV. The report shall be sequenced by Master Work Schedule Line Number (MWSLN) and Production Number.

b. The Contractor shall provide a monthly Production Status Report summarizing the progress and status of each RAM/RS AAVP7A1.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

The Public reporting burden for this collection of information is authorized to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP _____ TM _____ Other XXX _____							
D. SYSTEM/ITEM AAVP7A1			E. CONTRACT/PR No.		F. CONTRACTOR						
1. DATA ITEM No. A001	2. TITLE OF DATA ITEM Production Status Report			3. SUBTITLE Monthly Production Status Report							
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81255			5. CONTRACT REFERENCE SOW 4.1.b		6. REQUIRING OFFICE MARCORLOGBASES (834)						
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION							
8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		a. ADDRESSEE		b. COPIES					
16. REMARKS				MCLBA (834-1)		Draft		FINAL			
						0		Reg		Repro	
<p>Block 4 - Contractor format is authorized. Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2.3, 10.2.5, 10.2.6, and 10.2.9.</p> <p>In paragraphs 10.2.4 and 10.2.7, replace "CLIN" with "MWSLIN" (Master Work Schedule Line Item Number).</p> <p>Blocks 10 and 12 - The report shall be submitted on the tenth of each month. The first submission shall be 30 days after the contract award.</p> <p>The Production Status Report shall be transmitted via E-Mail to the following address: HoffmanRE@matcom.usmc.mil</p> <p>Distribution Statement A: Approved for public release, distribution is unlimited.</p>						0		1		0	
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15. TOTAL				0		1		0			

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY: R. E. Hoffman	H. DATE 04/19/00	I. APPROVED BY: <i>[Signature]</i>	J. DATE 04/19/00
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