

STATEMENT
OF
WORK (SOW)

FOR THE

RESTORE TO MISSION CAPABLE
CONDITION
(RTMCC)

OF THE

AAVP7A1 RAM/RS
NSN 2350-01-458-7410

AND

AAVC7A1 RAM/RS
NSN 2350-01-458-7318

STATEMENT OF WORK
FOR THE RESTORE TO MISSION CAPABLE CONDITION (RTMCC)
OF THE AAVP7A1 AND AAVC7A1 RAM/R/S

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STATEMENT OF WORK
FOR THE RESTORE
TO MISSION CAPABLE CONDITION (RTMCC)
OF THE AAVP7A1
AND AAVC7A1 RAM/R/S

1.0 **SCOPE.** This Statement of Work (SOW) sets forth tasks and identifies the work effort that shall be performed by the Marine Corps Logistics Command (MCLC) (hereafter referred to as Government Contractor) in the effort to Restore To Mission Capable Condition (RTMCC) the AAVP7A1 (with Upgunned Weapons Station (UGWS)) and AAVC7A1 RAM/RS (hereafter referred to as AAV) vehicles. This SOW and the referenced documents contain the minimum requirements necessary to restore the end item to a Mission Capable Condition. This Mission Capable condition is defined as “not being categorized as Deadlined per TI 2350-15/56C. The RTMCC vehicle shall consist of components and parts ranging from new to meeting minimum serviceable tolerances. This effort is limited to those actions necessary to remove the vehicle from a Not-Mission Capable (deadline) status and is not intended to be a traditional rebuild or Inspect, Repair Only As Necessary (IROAN) effort.

1.1 **Background.** For purposes of this effort, RTMCC is defined as "That maintenance technique which determines the minimum repairs necessary to restore equipment, components or assemblies to prescribed maintenance serviceability standards by using only the minimum necessary prescribed diagnostic equipment and test procedures in order to minimize disassembly and parts replacement." This RTMCC is necessitated by the need to place the greatest number of mission capable RAM/RS vehicles aboard Maritime Prepositioned Ship (MPS) ships and the Fleet Marine Forces (FMF) in the minimum amount of time with the available funding.

Condition Code “A” is defined as “New, used, repaired, or reconditioned material that is serviceable and issuable to all customers without limitation or restriction. Includes material with more than six months shelf-life remaining.” Condition code “B” is defined as “new, used, repaired, or reconditioned material that is serviceable and issuable for its intended purpose which is restricted from issue to special units, activities, or geographical areas by reason of limited usefulness or short service life expectancy. Includes material with three through six months shelf-life remaining.” The vehicles undergoing the RTMCC process will exit in Condition Code “B”, furthermore there will be no deadline condition or unserviceable items present. The vehicles will be mission capable – they will be able to move, have a mission capable UGWS and communicate. They will not be equivalent to a vehicle issued from the RAM/RS production line or a complete IROAN process. Full disassembly will not be required. Painting will only be done to control corrosion.

2.0 **APPLICABLE DOCUMENTS.** The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issue dates 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, requests for conflict resolution shall be brought to the attention of Program Manager, Assault Amphibious Vehicles Systems (PM

AAVS). Resolution of conflicts between reference documents and this SOW shall be complete prior to Phase II initiation by the PM AAVS. The current edition of these documents shall be used as references when work **commences**.

2.1 Military Standards

MIL-STD-129	DOD Standard Practice for Military Marking
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2.2 Other Government Documents and Publications

TM 09674A-10/3B	Operator's Manual
TI 2350-15/56C	Not-Mission-Capable (Deadline) Criteria AAV Family of Vehicles (FOV)
TM 09674A-50/5A	Inspect, Repair Only As Necessary (IROAN) Standards for Assault Amphibious Vehicle (AAV7A1 – Modes AAVP7A1, AAVC7A1, AAVR7A1)
TM 10004A-50/3A	Inspect, Repair Only As Necessary (IROAN) Standards for Uppgunned Weapons Station (UGWS) Assault Amphibious Vehicle Personnel, Model AAVP7A1
TM 10004A-10/1C	Uppgunned Weapons Station, Assault Amphibious Vehicle
TM 10004A-25&P/2A	Maintenance Instruction Uppgunned Weapons Station (UGWS), Assault Amphibious Vehicle, Personnel, AAVP7A1
TM 8F152B-25&P/A	Power Plant Assembly Assault Amphibious Vehicle
TM 8F419B-35&P/A	Maintenance Instruction and Repair Parts List M36E3 Periscope, Uppgunned Weapons Station, Assault Amphibious Vehicle Personnel, Model 7A1, AAVP7A1
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
TM 07268B-25&P/2	Maintenance Instructions and Repair Parts List, Organizational, Intermediate and Depot Assault Amphibious Vehicle, 7A1, AAVC7A1
TM 4750-15/1	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment
TM 4750-15/2	Camouflage Paint Patterns

DoD 4160.21-M	Defense Materiel Disposition Manual
Naval Sea System Command Drawing 6289443 CAGE 53711	Ungunned Weapon Station
Engineering Drawing 5428747 CAGE 53711	Preparation for Shipment and Storage of the AAVP7A1
Engineering Drawing 5435309 CAGE 53711	Preparation for Shipment and Storage of the AAVC7A1
TI-5820-25/22	Electromagnetic Environmental Effects (E3) Procedures for Installation of Communication Equipment on U.S. Marine Corps Platforms
TM 3080-25/1	Maintenance Instructions, Organizational, Intermediate and Depot for Assault Amphibious Vehicle AAV7A1 Corrosion Control
DoD 4000.25-1-M	Military Standard for Requisitioning and Issue Procedures (MILSTRIP) PM, AAVS Configuration Management Plan dated 13 July, 2000

Military Handbook (For Guidance)

MIL-HDBK-61	Configuration Management Guidance
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2.3 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems - Requirements
JESD625-A	Requirements for Handling Electrostatic -Discharge Sensitive (ESDS) Devices

Industry Standards (For Guidance)

ANSI/EIA-649	National Consensus for Configuration Management
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Copies of Military Standards and Specifications are available from the 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 <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the Government Contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commanding General (Code 586), Whse 1121, Suite 20321, Marine Corps Logistics Command, Albany, Georgia 31704-0121, commercial

telephone number (229) 639-6258 or DSN 567-6258. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 566-1A, Marine Corps Logistics Command, 814 Radford Blvd, Ste 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

3.0 REQUIREMENTS

3.1 Detailed Tasks. The following tasks describe the different phases for the RTMCC of the AAVs.

3.1.1 Phase I - Pre-Induction. A Pre-Induction Inspection Analysis shall be performed for each candidate AAV to estimate the extent of work and parts required. These findings shall be documented on the "PRE-INDUCTION CHECK SHEET FOR THE AAVs" (Appendix C of TM 09674A-50/5A) and "PRE-INDUCTION AND FINAL INSPECTION CHECK SHEET FOR THE UPGUNNED WEAPON STATION (UGWS)" (Appendix C of TM 10004A-50/3A). A PM AAVS representative will participate in the pre-induction LTI. Disposition of out of scope vehicles will be made on a case-by-case basis. PM AAVS will provide disposition guidance as required. As a result of this process, PM AAVS will provide a final determination of suitability for induction into the RTMCC Program. The criteria for out of scope vehicles is those vehicles that have received excessive hull damage or are missing so many parts as to make entry into the RTMCC process economically unfeasible. The inspection sheets shall be made available to PM AAVS representatives upon request.

3.1.2 Phase II - RTMCC. After Pre-Induction Inspections have been completed, RTMCC of the AAVs shall be accomplished in accordance with this SOW and TI 2350-15/56C. Deficiencies found that cause a "Deadline" condition per TI 2350-15/56C shall be corrected in accordance with TM 09674A-50/5A, and TM 10004A-50/3A. If deficiencies noted in the Initial Inspection Check Sheets during Phase I would place the vehicle in a deadline condition, per TI 2350-15/56C, then those deadline deficiencies shall be corrected in accordance with TM 09674A-10/3B, TM 10004A-10/1C, TM 10004A-25&P/2A, TM 8F152B-25&P/A, TM 8F419B-35&P/A, TM 09674A-25&P/4B, TM 07268B-25&P/2, and Naval Sea Command Drawing 6289443, CAGE 53711. For those RAM/RS VTA903-T525 engines and hydrostatic steering units found to require overhaul or remanufacture, and when schedule permits, every consideration shall be given to having the Original Equipment Manufacturer (OEM) perform the overhaul or remanufacture. The Government Contractor may perform minor engine or HSU repairs on site. Minor engine repairs are considered to be adjustment, tune up, replacement of bolt on sub assemblies, and those that do not require disassembly of engine block assembly and head assemblies. Minor HSU repairs are considered to be those that the cost of performing would not exceed 25 percent of the HSU replacement cost. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component or assembly wherein the part is located is disassembled for repair or inspection. Economical replacement parts may be reused if they meet applicable inspection requirements of TM 09674A-10/3B, TM 10004A-10/1C, TM 10004A-25&P/2A, TM 8F152B-25&P/A, TM 8F419B-35&P/A, TM 09674A-25&P/4B, TM 07268B-25&P/2, and Naval Sea Command Drawing 6289443, CAGE 53711. Painting and marking shall be done when deemed necessary to meet RTMCC standard in accordance with TM 4750-15/1 and TM 4750-15/2. Corrosion control procedures shall be in accordance with TM 3080-25/1 if corrosion has caused a deadline condition. Electromagnetic Environmental Effects (E3)

procedures shall be conducted in accordance with TI-5820-25/22. All unserviceable parts shall be disposed of in accordance with DoD 4160.21-M.

3.1.3 Phase III - Inspection, Testing, and Acceptance. Inspection, testing, and acceptance of the AAV and UGWS shall be conducted in accordance with TM 09674A-50/5A and TM 10004A-50/3A and this SOW. A PM AAVS representative will participate in the post RTMCC LTI. As a result of this process, PM AAVS will provide a final determination of suitability for exit from the RTMCC Program. TI 2350-15/56C shall be used to determine the limiting criteria.

3.1.4 Phase IV - Packaging, Handling, Storage and Transportation (PHS&T). The Government Contractor shall be responsible for preservation and packaging of the items being repaired/rebuilt under the terms of this Statement of Work. Items scheduled for long-term storage (as determined by the Logistics Management Specialist) shall be to the Level "A" requirements of Engineering Drawing 5428747, CAGE 53711 for the AAVP7A1 and Engineering Drawing 5435309, CAGE 53711 for the AAVC7A1. Copies of the drawings may be obtained from the PHS&T SME at (229) 639-6786 or 5499. Items scheduled for domestic shipment for immediate use, overseas shipment or short-time storage with the exception of Maritime Prepositioned Forces (MPF) shall be to level "B", requirements (paragraph 5.7) of the above drawings, Drive-on/Drive-off and as modified herein. Items prepared for level "B", Drive-on/Drive-off scheduled for overseas shipment shall have a label affixed which reads "NOT FOR WEATHER DECK STOWAGE". Items scheduled for MPF shall be prepared to level "B", MPF Modified Drive-Away. The term "MPF Modified Drive-Away" shall be defined as follows:

MPF Modified Drive-Away: Batteries shall be hot and connected to the vehicle electrical system. Fuel tanks shall be filled 3/4 full with JP5/8. The air intake, exhaust and brake systems, drive train and gauges shall not be preserved. Fire extinguisher bracket and seats shall be installed.

3.1.4.1 Marking for shipment and storage shall be in accordance with MIL-STD-129.

3.1.4.2 The Marine Corps will provide the Government Contractor with the shipping addresses for the delivery of the repaired equipment. The Government Contractor shall be responsible for arranging for shipment to the pre-designated sites. The Marine Corps will be responsible for all transportation costs associated with shipping the subject equipment to and from the Government Contractor's facility.

3.2 Configuration Control. The Government Contractor shall apply configuration control procedures to established configuration items per the provisions of the PM, AAVS Configuration Management Plan dated 13 July 2000. The Government 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 drawing/documents define the items characteristics. Changes to the established baselines shall only be made after PM AAVS or designated representative approval of Engineering Change Proposals (ECP) or Requests for Deviation (RFD). If deemed necessary to temporarily depart from the authorized configuration, the Government Contractor shall prepare and submit a Request For Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing RFDs.

3.2.1 RFD creation and submission shall be accomplished using MEARS CREATE software application, which resides at a secure web site, <https://mears1.redstone.army.mil>. For the purpose of gaining access to the web site, the Government Contractor shall request User-ID and password privileges from the Requiring Office identified in Block 6 of the applicable Contract Data Requirements List. The Government Contractor shall direct any technical or functional questions concerning usage of MEARS CREATE software to the Requiring Office for guidance. The Government Contractor shall notify the Requiring Office by electronic mail when completed RFDs are ready for formal submission.

3.3 Quality Assurance Provisions. The performance of the Government Contractor's quality of work performed, material provided and documents written shall be subject to in-process review and inspection by the PM, AAVS representative during contract performance. Inspection may be accomplished at any work location. The PM, AAVS representative requires at a minimum, two weeks notice of acceptance tests to allow for sufficient time for the PM, AAVS representative to witness the test. Inspection by the PM, AAVS representative of acceptance tests, materials and associated list furnished hereunder does not relieve the Government Contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

3.3.1 The Government Contractor shall provide and maintain a Quality System that as a minimum adheres to the requirements of ANSI/ISO/ASQC Q9001-2000. The Government Contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by PM, AAVS representatives. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the Government 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 Government Contractor's responsibility to ensure that the entire system meets the performance requirements of this SOW.

3.4 Government Furnished Equipment (GFE)/Government Furnished Material (GFM). The Management Control Activity (MCA/Code 581-1B) will coordinate Government Furnished Equipment/Government Furnished Material (GFE)/(GFM) requests and maintain a central control system on all government owned assets in the Government Contractor's possession. The MCA will forward a GFE Accountability Agreement to the Government Contractor for signature on an annual basis to establish a chain of custody and identify property responsibilities for Marine Corps assets. The Government 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 DD1348 to: Materiel and Distribution Management Department, Distribution Management Branch, Management Control Activity (Code 581-1B) 814 Radford Blvd, STE 20320, Albany, GA 31704-0320 or faxing a copy to commercial telephone (229) 639-5498 or DSN 567-5498.

3.5 Contractor Furnished Material (CFM). The Government Contractor may requisition materiel as required in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP) Chapter 11 provides guidance to contractors on the requisitioning process. The Government Contractor's 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 Electrostatic Discharge (ESD) Control Program. The Government Contractor shall establish, implement and document an ESD control program following the guidelines provided in JESD625-A. ESD protective measures shall be used during manufacturing, handling, inspection, testing, marking, packaging, storing and transporting ESD sensitive components.

4.0 REPORTS. The following reports shall be provided to Marine Corps Systems Command, Assault Amphibious Vehicle Systems, 2200 Lester Street, Quantico, Virginia 22134-6050 and to Marine Corps Systems Command, Assault Amphibious Vehicle Systems, Rm 310W, 814 Radford Blvd, Suite 20343 Marine Corps Logistic Command, Albany Ga., 31704-0343.

4.1 Contractor's Monthly Progress, Status and Management Report. The Contractor shall provide Monthly Progress, Status and Management Report summarizing the progress status of the RTMCC Program as required by the attached Contract Data Requirements List.

5.0 MEETINGS, REVIEWS, AND CONFERENCES. The Government Contractor shall, as appropriate, plan, host, attend, coordinate, support, and conduct meetings, formal reviews, and conferences (hereinafter called "reviews"). The reviews shall be conducted quarterly either employing Video Teleconferencing (VTC) or on-site at PM AAVS or the Government Contractor's facilities. Reviews requiring demonstration and/or examination of equipment shall be conducted at the Government Contractor's facility. The Government Contractor shall prepare agendas and conference presentation materials and provide minutes and reports, within ten working days, following each review. Action item documentation, assignment of responsibility for completion, and due dates shall be determined prior to adjournment of all reviews. A summary of all action items, responsible parties, and estimated completion date shall be included with the minutes. Cost of travel in support of the requirements of this paragraph shall be totally funded by PM AAVS.

6.0 MANAGEMENT SUPPORT. The Government Contractor shall provide a single point of contact for Project Management for the AAV RTMCC effort. The single point of contact shall be responsible for ensuring compliance with the requirements of this SOW.

