Draft
Maintenance Concept Remains Consistent with Prior Fiscal Year

STATEMENT OF WORK (SOW)

FOR THE REBUILD OF THE

ASSAULT AMPHIBIOUS VEHICLE (AAV)

CIRCUIT CARD ASSEMBLY

NSN 5999-01-108-9786

STATEMENT OF WORK (SOW) FOR THE REBUILD OF THE ASSAULT AMPHIBIOUS VEHICLE (AAV) CIRCUIT CARD ASSEMBLY NSN 5999-01-108-9786

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STATEMENT OF WORK (SOW) FOR THE REBUILD OF THE AAV CIRCUIT CARD ASSEMBLY NSN 5999-01-108-9786

1.0 SCOPE. This Statement of Work (SOW), along with TM 09764A-25&P/4B, establishes, sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Circuit Card Assembly, hereafter referred to as the Circuit Card Assembly. This document contains minimum requirements to rebuild the Circuit Card Assembly 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 limitation or restriction including material with more than six months shelf-life remaining". National Stock Number (NSN) 5999-01-108-9786 identifies the Circuit Card Assembly.

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 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 Shipping and Storage

2.2 Other Government Documents and Publications

DoD 4160.21-M	Defense Materiel Disposition Manual
TM 09674A-25&P/4B	Maintenance Instruction 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

Engineering Drawing 6227570, CAGE 53711	Circuit Card Assembly
DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)

Military Handbooks (For Guidance Only)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

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

Industry Standards (For Guidance Only)

ANSI/EIA-649	National Consensus Standards for Configuration Management

Copies of Military Specifications and Standards are available from the DoD Single Stock Point, 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 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:

a. Provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, rebuild, and calibrate as required to make the Circuit Card Assembly fully operational. Upon completion of the rebuild, the Circuit Card Assembly shall be Condition Code "A".

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Systems Command (MCSC) (AAVS), Albany, Georgia representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Circuit Card Assembly specified in TM 09674A-25&P/4B, TM 2350-45, and Engineering Drawing 6227570, CAGE 53711.

d. Ensure all Circuit Card Assemblies meet the configuration of Engineering Drawing 6227570, CAGE 53711.

e. All mandatory replacement parts identified in TM 09674A-25&P/4B shall be replaced 100 percent. 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 Circuit Card Assembly.

3.2.1 Phase I - Rebuild. The contractor shall receive Circuit Card Assembly for rebuild. The contractor shall then disassemble the Circuit Card Assembly into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 09674A-25&P/4B and this SOW. The contractor shall be responsible for supplying all equipment, tools, test equipment, and materiels for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Circuit Card Assembly is defined by the specifications annotated on the current revision level of Engineering Drawing 6227570, CAGE 53711. Upon completion of the rebuild, the Circuit Card Assembly shall be in condition code "A". 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 Circuit Card Assembly shall be conducted in accordance with, TM 09674A-25&P/4B and ANSI/ISO/ASQC Q9001-2000. The contractor shall correct all deficiencies discovered.

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

a. The contractor shall be responsible for preservation and packaging for item(s) being repaired under the terms of this SOW. Items being scheduled for long-term storage or shipment to overseas destinations shall be in accordance with the Level "A" requirements of MIL-STD-2073-1D, Appendix J., and Table J.Ia. Specialized Preservation Code "GX". Items scheduled for domestic shipment, immediate use, or short-term storage shall be to Level "B" requirements. This item is subject to electrostatic sensitive discharge shall be packed into a reusable fast-pack container.

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

c. The Marine Corps shall provide the contractor with the shipping address(es) for the 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://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 DD1348 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

3.6.1 The performance of the contractor's quality of work performed, materiel provided and documents written shall be subject to in-process review and inspection by the MCSC (AAVS), Albany, Georgia representative during contract performance. Inspection may be accomplished at any work location. The MCSC (AAVS), Albany, Georgia representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections during normal contractor's working hours. Acceptance tests shall be held in-plant. The MCSC (AAVS), Albany, Georgia

representative requires, at a minimum, two weeks notification of acceptance test to allow for sufficient time for MCSC (AAVS), Albany, Georgia representative to witnessing acceptance, if he or she desires. Inspection by the MCSC (AAVS), Albany, Georgia representative of all acceptance tests, materiels 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 Q9001-2000. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MCSC (AAVS), 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.

3.6.3 Electrostatic Discharge (ESD) Control Program. The 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 transportation ESD sensitive components.

4.0 REPORTS. All reports deliverables shall be submitted in hard copy to Marine Corps Systems Command, Attn: AAVS, 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 AAV Circuit Card Assembly.