STATEMENT

OF

WORK

(SOW)

FOR THE REBUILD OF THE

AAV

CIRCUIT CARD ASSEMBLY

NSN 5999-01-108-9786

SOW-02-834-1-88653B-1/1

Dated 30 November 2000

STATEMENT OF WORK FOR THE REBUILD OF THE CIRCUIT CARD ASSEMBLY NSN 5999-01-108-9786

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STATEMENT OF WORK 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 and 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 here after referred to as the Circuit Card Assembly. These documents contain minimum requirements to restore 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 limitations or restrictions". 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 for Military Marking

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
Naval Sea System Command Drawing 6227570	Circuit Card Assembly

DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

Military Handbooks (For Guidance Only)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

ANSI/ISO/ASQC Q9003-1994	Quality Systems-Model for Quality Assurance in Final Inspection and Test

Industry Standards (For Guidance Only)

ANSI/EIA-649	National Consensus Standards for Configuration Management

Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Document Automation and Product 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: (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), Marine Corps Logistics Bases, 814 Radford Blvd, STE 20302 Albany Georgia 31704-3020, 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 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 Logistics Bases 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 rebuild of the Circuit Card Assembly specified in TM 09674A-25&P/4B, TM 2350-45, Naval Sea System Command Drawing 6227570, MIL-STD-2073-1D, and MIL-STD-129.

d. Ensure all Circuit Card Assemblies meet the configuration of Naval Sea System Command Drawing 6227570.

e. All mandatory replacement parts identified in TM 0967A-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 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 Naval Sea System Command drawing 6227570. 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 Q9003-1994. 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 items being repaired under the terms of this SOW. Items being prepared 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 being prepared for domestic shipment, immediate use, or short-term storage shall be to level "B" requirements. All items subject to electrostatic sensitive discharge shall be packed into a reusable fast-pack container.

b. Marking 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 it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation (RFD). 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 request. The contractor shall notify the contracting activity by electronic mail when completed MEARS RFDs are ready for formal submission and review. 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 GFE/GFM requirements the Management Control Activity (MCA) at MARCORLOGBASEALB (MCA/Code 827-2) will coordinate required GFE and will maintain a central control on Marine assets in the Contractors 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 Materiel (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 may 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 (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 test to allow for sufficient time for 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, 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 Q9003-1994. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by 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/Documentation that is required:

a. The contractor shall provide a Monthly Production Status Report summarizing the progress and status of the Circuit Card Assembly.

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: AAV Circuit Card Assembly	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	8. APP CODE	11. AS OF DATE
13. DATE OF SUBSEQUENT SUBMISSION	17. PRICE GROUP	18. ESTIMATED TOTAL PRICE

16. REMARKS

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.

In paragraph 10.2.1.d, "Master Work Schedule Line Number (MWSLN)" may be used in place of "contract number".

In paragraphs 10.2.4 and 10.2.7, replace "CLIN" with "MWSLIN" (Master Work Schedule Line Item Number).

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.

The Production Status Report shall be transmitted via E-Mail to the following address: HoffmanRE@matcom.usmc.mil

Distribution Statement A: Approved for public release, distribution is unlimited.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	FINAL: Reg	FINAL: Repro
MCLBA (834-1)	0	1	0
15. TOTAL	0	1	0

G. PREPARED BY: R. E. Hoffman	H. DATE: 11/30/00	I. APPROVED BY:	J. DATE: 11/30/00

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX
D. SYSTEM/ITEM: AAV Circuit Card Assembly	E. CONTRACT/PR No.	F. CONTRACTOR
1. DATA ITEM No.: C001	2. TITLE OF DATA ITEM: Request for Deviation (RFD)	3. SUBTITLE: Configuration Management
4. AUTHORITY *(Data Acquisition Document No.)*: DI-CMAN-80640C	5. CONTRACT REFERENCE: SOW 3.3	6. REQUIRING OFFICE: MARCORLOGBASES 851
7. DD 250 REQ.: LT	9. DIST STATEMENT REQUIRED: A	10. FREQUENCY: AS REQ
12. DATE OF FIRST SUBMISSION: See Blk 16	8. APP CODE	11. AS OF DATE
13. DATE OF SUBSEQUENT SUBMISSION	17. PRICE GROUP	18. ESTIMATED TOTAL PRICE

16. REMARKS

MEARS CREATE User-ID and password will be assigned by the Requiring Office.

MEARS RFD text files shall be submitted electronically using MICROSOFT or ADOBE formatted software products.

Accompanying figures to text files shall be in MICROSOFT Office format or CCITT Group IV graphic file. Group IV graphic files shall have a minimum density of 600 dpi.

Questions concerning MEARS CREATE V8.1 functionality shall be directed to the Requiring Office. Point of Contact is Mr. Doug Smith, DSN 567-6425.

RFD notification shall be accomplished by transmitting via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

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14. DISTRIBUTION

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MCLBA 851-2	0	1	0
15. TOTAL	0	1	0

G. PREPARED BY: Doug Smith	H. DATE: 11/01/00	I. APPROVED BY:	J. DATE: 11/30/00

DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED

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