STATEMENT
OF

WORK

(SOW)

FOR THE REBUILD OF

THE AMPHIBIOUS ASSAULT VEHICLE
(AAV)

WEAPON

CONTROL UNIT

NSN 1010-01-257-9961

SOW-02-834-1-8D790B-1/1

Dated 22 February 2001

STATEMENT OF WORK FOR THE REBUILD OF THE THE AMPHIBIOUS ASSAULT VEHICLE (AAV) WEAPON CONTROL UNIT NSN 1010-01-257-9961

Table of Content

PARAGRAPH	TITLE	PAGE
1.0	Scope	1
1.1	Background	1
2.0	Applicable Document	1
2.1	Military Standards	1
2.2	Other Government Documents and Publications	1
2.3	Industry Standards	2
3.0	Requirements	2
3.1	General Tasks	2
3.2	Detailed Tasks	3
3.2.1	Phase I-Rebuild	3
3.2.2	Phase II-Inspection, Testing, and Acceptance	3
3.2.3	Phase III- Packaging, Handling, Storage, and Transportation (PHS&T)	3
3.3	Configuration Control	4
3.4	Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM)	4
3.5	Contractor Furnished Materiel (CFM)	4
3.6	Quality Assurance Provisions	4
3.7	Electrostatic Discharge (ESD) Control Program	5
4.0	Report/Documentation	5

STATEMENT OF WORK FOR THE REBUILD OF THE AMPHIBIOUS ASSAULT VEHICLE (AAV) WEAPON CONTROL UNIT NSN 1010-01-257-9961

1.0 Scope. This Statement of Work (SOW), along with TM 10004A-25&P/2 establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the AAV Weapon Control Unit, hereafter referred to as the Weapon Control Unit 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 Weapon Control Unit is identified by National Stock Number (NSN) 1010-01-257-9961.

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

TM 10004A-25&P/2	Maintenance Instruction Upgunned Weapon Station (UGWS), Assault Amphibious Vehicle, Personnel, Model 7A1, AAVP&A1
TM 2350-45	DMA Standard Procedures
DoD 4160.21-M	Defense Materiel Disposition Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System
DoD 4000.25-1-M	MILSTRIP Manual

Naval Sea System Command Drawing 6289560	Weapon Control Unit

Military Handbooks (For Guidance)

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
JESD625-A	Requirements for Handling Electrostatic-Discharge-Sensitive (ESDS) Devices

Industry Standards (For Guidance)

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 other Government documents and publications required by the contractor in connection with specific SOW requirements shall be obtained through the contracting officer: Commander, Marine Corps Logistics Bases, Attn: (Code 891), Albany, Georgia 31704-1128, Commercial (229) 639-6753, or DSN 567-6753. 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 20320 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 materials, labor, facilities, missing parts, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, and calibrate as required to rebuild the Weapon Control Unit and make it fully operational.

Upon completion of rebuild, the Weapon Control Unit 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 Weapon Control Unit as specified in TM 10004A-25&P/2.

d. Ensure all Weapon Control Units meet the configuration of Naval Sea Systems Command Drawing 6289560.

e. All technically mandatory replacement parts identified in TM 10004A-25&P/2 shall be replaced 100%. Economically mandatory 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 Weapon Control Unit.

3.2.1 Phase I - Rebuild. The contractor shall receive the Weapon Control Unit for rebuild. The contractor shall then disassemble the Weapon Control Unit into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 10004A-25&P/2 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 Weapon Control Unit is defined by the specifications annotated on the current revision level of Naval Sea Systems Command Drawing 6289560. 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 Weapon Control Unit shall be conducted in accordance with TM 10004A-25&P/2 and ANSI/ISO/ASQC Q9003-1994.
Any deficiencies discovered shall be corrected by the contractor.

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

a. The contractor shall be responsible for the preservation and packaging of items being repaired under the terms of this statement of work. Items scheduled for long-term storage or overseas shipment shall be in accordance with level "A" requirements of MIL-STD-2073-1D, Appendix J, Table J.IA., Specialized Preservation Code "GX". Items scheduled for domestic shipment, immediate use, or short-term storage shall be in accordance with level "B" requirements.

b. Marking for shipment and storage shall be in shall 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 Control

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. The procedures or materials contained in manuals, standards, and instructions or engineering drawings/documents define the item's characteristics. If it is deemed 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 application, which resides at a secure web site, https://mearsweb.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 Requirement List. The contractor shall direct any technical or functional questions concerning the 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 and review.

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 (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 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 (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

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) requires at a minimum, two weeks notice prior to 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.

3.7 Electrostatic Discharge (ESD) Control Program

The Contractor shall establish, implement and document an ESD control program following the guidelines provided in JESD625. ESD protective measures shall be used during manufacturing, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

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 Weapon Control Unit.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER X
D. SYSTEM/ITEM: AAV Weapon Control Unit	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	Production Status Report	Monthly Production Status Report	18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81255	SOW 4.1	MCLBA (834)

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	MTHLY	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**

16. REMARKS

Block 4 - Contractor format is authorized. Delete the following paragraphs as they 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, use Job Order Number or Contract Number.

In paragraphs 10.2.4 and 10.2.7, replace "CLIN" with "CLIN or 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	H. DATE	I. APPROVED BY	J. DATE
RE Hoffman	02/22/01	RE Hoffman	02/22/01

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
AAV Weapon Control Unit		TDP ____ TM ____ OTHER X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
B001	Request For Deviation	Configuration Management	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-CMAN-80640C	SOW 3.3	MCLBA (851)	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT		ASREQ	See Block 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	A	

16. REMARKS

MEARS CREATE user-id and passsword will be assigned by the Requiring Office.

Blks 10 & 12: MEARS RFD text files shall be sumitted electronically using MICROSOFT (.doc) or ADOBE (.pdf) formatted software products.

Accompanying figures to the text files shall be in a MICROSOFT format or CCITT Group 4 graphic file. Group 4 files shall have a minimum density of 600 dpi.

Questions concerning MEARS CREATE V8.1 functionality shall be directed to the Requiring Office. POC is Doug Smith and can be contacted at DSN 567-6424/25 or email to: smithdc@matcom.usmc.mil

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

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	Final: Reg	Final: Repro
MCSC (PMAAV)	0	0	0
MCLBA (851-2)	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Doug Smith	2-16-01	RE Hoffman	02/22/01