

STATEMENT

OF

WORK

(SOW)

FOR THE REBUILD OF THE

AAV TRAVERSE
MECHANISM

NSN 1010-01-258-9661

SOW-01-834-8C959B-1/1

Dated 30 March 2000

STATEMENT OF WORK FOR THE REBUILD OF
THE AAV TRAVERSE MECHANISM
NSN 1010-01-258-9661

Table of Content

<u>PARAGRAPH</u>	<u>TITLE</u>	<u>PAGE</u>
1.0	Scope	1
1.1	Background	1
2.0	Applicable Documents	1
2.1	Military Standards	1
2.2	Other Government Documentation 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)	5
3.6	Quality Assurance Provisions	5
4.0	Reports/Documentation	5

SOW-01-834-1-8C959B-1/1

STATEMENT OF WORK FOR THE REBUILD OF
THE AAV TRAVERSE MECHANISM
NSN 1010-01-258-9661

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 Assault Amphibious Vehicle (AAV) Traverse Mechanism. This document contains minimum requirements to restore the Traverse Mechanism 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". The Traverse Mechanism is identified by National Stock Number (NSN) 1010-01-258-9661.

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 herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1C DoD Standard Practice for Military Packaging

MIL-STD-129 DoD Standard Practice for Military Marking

Military Standards (Guidance Only)

MIL-STD-973 Configuration Management

2.2 Other Government Documents and Publications

DoD 4160.21-M Defense Materiel Disposition Manual

TM 10004A-25&P/2 Maintenance Instruction Upgunned Weapons
Station (UGWS), Assault Amphibious Vehicle
Personnel Models 7A1,AAVP7A1

SOW-01-834-1-8C959B-1/1

TM 2350-45	DMA Standard Procedures
TM-4700-45/6B	Installation Of Repair/Overhaul Data Plates-All Equipment End Item, Assemblies and Components
Drawing 6289728	Traverse Mechanism
DTD	Multi User Engineer Change Proposal Automated Review System "MEARS" Document Type Definitions (DTD)
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

2.3 Industry Standards

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

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 other Government documents and publications required in connection with specific SOW requirements shall be obtained from: Commander, Marine Corps Logistics Base, Attn: (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 Boulevard, 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 Traverse Mechanism fully operational. Upon completion of the rebuild, the Traverse Mechanism 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

SOW-01-834-1-8C959B-1/1

at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Traverse Mechanism as specified in TM 10004A-25&P/2, TM 2350-45, TM-4700-45/6B, MIL-STD-2073-1C, and MIL-STD-129.

d. Ensure all Traverse Mechanisms meet the configuration of Naval Sea System Command Drawing 6289728.

e. All mandatory replacement parts identified in TM 10004A-25&P/2 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 Traverse Mechanism.

3.2.1 Phase I – Rebuild. The contractor shall receive the Traverse Mechanism for rebuild. The contractor shall then disassemble the Traverse Mechanism 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 materials to conduct this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Traverse Mechanism is defined by the specifications annotated on current revision level of Naval Sea System Command drawing 6289728. A Rebuild Data Plate shall be installed in accordance with TM-4700-45/6B.

3.2.2 Phase II - Inspection, Testing, and Acceptance

a. Inspection, testing, and acceptance of the Traverse Mechanism shall be conducted in accordance with TM 10004A-25&P/2 and ANSI/ISO/ASQC Q9003-1994.

b. The contractor shall provide a Certificate of Conformance with delivery of the final product attesting the product meets or exceeds the requirement of the SOW. Any deficiencies discovered will 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 application of preservation and packaging for items being repaired under the terms of this SOW. Items scheduled for long-term storage or shipment overseas shall be in accordance with level “A” requirements of MIL-STD 2037-1C, Method 44. Items scheduled for domestic shipment for immediate use or short-term storage shall be to level “B” requirements.

b. Marking shall conform to 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 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, provides guidance for preparing these configuration change documents. The contractor shall be furnished with MEARS 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 MCLBA shared drive [matcomapps05/mears/foaav](#) 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 (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.

SOW-01-834-1-8C959B-1/1

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

a. 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, 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.

b. 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 REPORTS\DOCUMENTATION

4.1 Reports/Documents that are required:

a. The contractor shall provide a Monthly Parts Usage Report on each Traverse Mechanism. 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 the Traverse Mechanism.

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 <u>XXX</u>
---------------------------	------------	---

D. SYSTEM/ITEM <u>AAV Travering-Meeh.</u>	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
				Draft
				FINAL
				Reg
				Repro

16. REMARKS	15. TOTAL
<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 "MWSLI" (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>	<p>MCLBA (834-1)</p> <p>0</p> <p>1</p> <p>0</p>

G. PREPARED BY: R. E. Hoffman	H. DATE 03/30/00	I. APPROVED BY: <i>[Signature]</i>	J. DATE 03/30/00
----------------------------------	---------------------	---------------------------------------	---------------------

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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 TRAVERSE MECH.	E. CONTRACT/PR No.	F. CONTRACTOR
--------------------------------------	--------------------	---------------

1. DATA ITEM No. B001	2. TITLE OF DATA ITEM Parts Usage Report	3. SUBTITLE Monthly Parts Usage Report
--------------------------	---	---

4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80704	5. CONTRACT REFERENCE SOW 4.1.a	6. REQUIRING OFFICE MARCORLOGBASES (834)
---	------------------------------------	---

7. DD 250 REQ. LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY MTHLY	11. AS OF DATE	12. DATE OF FIRST SUBMISSION See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION	14. DISTRIBUTION a. ADDRESSEE MCLBA (834-1)	b. COPIES		
8. APP CODE							Draft	Reg	Repro
							0	1	0

16. REMARKS	15. TOTAL
<p>Block 4 - Contractor format is authorized. Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, and 10.2.9.</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 Parts Usage 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>	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY R. E. Hoffman	H. DATE 04/04/00	I. APPROVED BY R. E. Hoffman	J. DATE 04/04/00
---------------------------------	---------------------	---------------------------------	---------------------

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 TRAVERSE MECHANISM	E. CONTRACT/PR No.	F. CONTRACTOR
---	--------------------	---------------

1. DATA ITEM No. C001	2. TITLE OF DATA ITEM Request for Waiver (RFW)	3. SUBTITLE Configuration Management
---------------------------------	--	--

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B	5. CONTRACT REFERENCE SOW 3.3	6. REQUIRING OFFICE MARCORLOGBASES 825
---	---	--

7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION											
8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	<table border="1"> <tr> <td rowspan="2">a. ADDRESSEE</td> <td colspan="3">b. COPIES</td> </tr> <tr> <td>Draft</td> <td colspan="2">FINAL Reg Repro</td> </tr> <tr> <td>MCLBA 825-2</td> <td>0</td> <td>1</td> <td>0</td> </tr> </table>		a. ADDRESSEE	b. COPIES			Draft	FINAL Reg Repro		MCLBA 825-2	0	1	0
a. ADDRESSEE	b. COPIES														
	Draft	FINAL Reg Repro													
MCLBA 825-2	0	1	0												

16. REMARKS

MEARS CREATE Files shall be provided as an electronic submission. Any supporting documentation shall be submitted as enclosures or figures to the MEARS text files. MEARS text files shall be created in MS Word, MS Excel or CCITT Group IV graphic files. Group IV graphic files shall include MIL-STD-1840 CAL data file header. Graphic density for drawings shall be submitted as 600dpi.

RFWs or .zip files shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

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

15. TOTAL			
-----------	--	--	--

G. PREPARED BY: <i>Doug Smith</i>	H. DATE	I. APPROVED BY: <i>R.E. Hoffmann</i>	J. DATE <i>04/04/00</i>
--------------------------------------	---------	---	----------------------------

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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 <u>XXX</u>				
D. SYSTEM/ITEM <u>AAV TRAVERSE MECH</u>			E. CONTRACT/PR No.		F. CONTRACTOR			
1. DATA ITEM No. C002	2. TITLE OF DATA ITEM Request for Deviation (RFD)			3. SUBTITLE Configuration Management				
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640B			5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE MARCORLOGBASES 825			
7. DD 250 REQ. LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY AS REQ		12. DATE OF FIRST SUBMISSION See Blk 16		14. DISTRIBUTION		
8. APP CODE	A	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		a. ADDRESSEE	b. COPIES		
16. REMARKS MEARS CREATE Files shall be provided as an electronic submission. Any supporting documentation shall be submitted as enclosures or figures to the MEARS text files. MEARS text files shall be created in MS Word, MS Excel or CCITT Group IV graphic files. Group IV graphic files shall include MIL-STD-1840 CAL data file header. Graphic density for drawings shall be submitted as 600dpi. RFDs or .zip files shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil Distribution Statement A: Approved for public release, distribution is unlimited.					MCLBA 825-2	0	1	0
					Draft	Reg	Repro	
15. TOTAL								

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

G. PREPARED BY Doug Smith <i>Doug Smith</i>		H. DATE		I. APPROVED BY <i>[Signature]</i>		J. DATE 04/04/00	
--	--	---------	--	--------------------------------------	--	---------------------	--