STATEMENT
OF
WORK
(SOW)

FOR THE REBUILD OF THE

AAV
PANEL, INSTRUMENT MODULE
(DRIVERS DISPLAY UNIT)

NSN 2350-01-199-6319

SOW-04-CBG-8B004B-1/1

11 March 2002

STATEMENT OF WORK FOR THE REBUILD OF THE AAV PANEL INSTRUMENT MODULE (DRIVERS DISPLAY UNIT) NSN 2350-01-199-6319

TABLE OF CONTENTS

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1.0 SCOPE. This Statement of Work (SOW), along with TM 09764A-25&P/4B, stablishes 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) Panel Instrument Module, hereafter referred to as the Drivers Display Unit (DDU). This document contains minimum requirements to restore the Drivers Display 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". National Stock Number (NSN) 2350-01-199-6319 identifies the Drivers Display Unit.

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 2350-45	DMA Standard Procedures
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
Engineering Drawing 5429249, CAGE 53711	Drivers Display Unit
Engineering Change Proposal 5169	DDU Glasslight Filter
Engineering Change Proposal 5227C1	DDU Modification
DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
Military Handbook (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
Industry Standards (For Guidance)	
ANSI/EIA-649	National Consensus Standard for Configuration Management

Copies of Military Standards and Specifications 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 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: Contracts Department (Code 891), P.O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Bases, Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: (Code 583-1) 814 Radford Blvd., STE 20302, Albany, Georgia, 31704-0320, commercial telephone number (229) 639-6054/6476 or DSN 567-6054/6476.

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

Drivers Display Unit fully operational. Upon completion of the rebuild, the DDU shall be Condition Code "A".

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Systems Command (MCSC) (CBG), 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 DDU specified in TM 09674A-25&P/4B, Engineering Drawing 5429249, CAGE 53711, ECP 5169, and ECP 5227C1.

d. Ensure the DDU meets the configuration of Engineering Drawing 5429249, CAGE 53711.

e. All mandatory replacement parts identified in TM 09674A-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 DDU.

3.2.1 Phase I – Rebuild. The contractor shall receive DDU for rebuild. The contractor shall then disassemble the DDU 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 materials for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the DDU is defined by the specifications annotated on current revision level of Engineering Drawing 5429249, CAGE 53711, approved ECPs 5169 and 5227C1. Upon completion of the rebuild, the DDU shall be in condition code "A". A Rebuild Data Plate shall be installed in 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 DDU shall be conducted in accordance with TM 09674A-25&P/4B and ANSI/ISO/ASQC Q9003-1994. Any deficiencies discovered shall be corrected by the contractor.

3.2.3 Packaging, Handling, Storage, and Transportation (PHS&T).

a. The contractor shall be responsible for preservation and packaging of item (s) rebuilt under the terms of this Statement of Work. Items scheduled for long term storage or shipment to overseas destinations shall be in accordance with level "A" requirements of MIL-STD-2073-1D, Appendix A, Table A.VI., Electronic Equipment. Items scheduled

for domestic shipment, for immediate use or short-term storage shall be to level "B" requirements.

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 delivery of the rebuilt 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 the shipping the subject equipment to and from the contractor.

3.3 Configuration Management.

a. The contractor shall apply configuration control procedures to establish 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. MIL-HDBK-61 and ANSI/EIA-649 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. The contractor shall request User-ID and password privileges from the contracting activity for the purpose of gaining access to the web site. The contractor shall direct any technical or functional questions concerning usage of MEARS CREATE software to the contracting activity for guidance. The contractor shall notify the contracting activity by electronic mail when completd RFDs are ready for formal review.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 573-2) will coordinate Government Furnished Equipment/Government Furnished Material (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 or signature on an annual basis to establish a chain of custody and identify property responsibilities 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 Material Management Department, Management Control Activity (Code 573-2) 814 Radford Blvd., STE 20320, Albany, GA 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 material 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 contractor's decision to utilize CFM procured from the DoD Supply System

shall be based upon cost effectiveness, availability of materiel and required completion 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 (CBG), Albany, Georgia representative during contract performance. Inspection may be accomplished at any work location. The MCSC (CBG), Albany, Georgia representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections at any reasonable hour. Acceptance Tests shall be held in-plant. The MCSC (CBG), Albany, Georgia representative requires, at a minimum, two weeks notification of acceptance test to allow for sufficient time for MCSC (CBG), Albany, Georgia representative to witness acceptance, if he or she desires. Inspection by the MCSC (CBG), Albany, Georgia representative of all 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.

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 MCSC (CBG), 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.

4.0 Reports. The contractor shall provide one hard copy of the below report to the following address: Marine Corps System Command, Attn: (CBG), 814 Radford Blvd., Suite 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 on the DDU.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
AAV Panel, Instrument Module		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Contractor's Progress, Status, and Management Report	Management

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80227	SOW 4.1	MCSC (CBG), Albany, GA

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**
N/A			See Blk 16

16. REMARKS

Contractor format is authorized.

Blk 4 - Tailor DI-MGMT-80227 as follows: Delete paragraphs 10.3g, 10.3h, 10.3i, and 10.3j.

Blk 12 - The reporting period shall be from the first to last business day of each month. Initial submission shall be 60 DAC.

Blk 13 - Subsequent submissions shall be 10 days after the last business day of each month.

Distribution StatementA: Approved for public release; Distribution is unlimited.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
MCSC (CBG)	0	1	0
Albany, GA			
15. TOTAL →	0	1	0

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
RE Hoffman	03/11/02	RE Hoffman	03/11/02

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
AAV Panel, Instrument Module		

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

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C	SOW 3.3	MCLBA (583)

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
NO	A	ASREQ	See Blk 16
9. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A			See Blk 16

16. REMARKS

Blk 4 - MEARS CREATE user-id and password will be assigned by the Requiring Office.

Blk 4: MEARS RFD text files shall be submitted electronically using MICROSOFT (.doc) or ADOBE (.pdf) formatted software products.

Blks 12 & 13 - RFDs notification shall be accomplished via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

Blk 14: 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.

Blk 14: Questions concerning MEARS CREATE V8.3 functionality shall be directed to the Requiring Office. POC is Doug Smith who may be contacted at DSN 567-6424/25 or email: smithdc@matcom.usmc.mil

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14. DISTRIBUTION

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MCLBA (583-1)			
15. TOTAL →	0	0	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Doug Smith	03/11/02	P E Hoffman	03/11/02