06 February 2003

FISCAL YEAR 2004

STATEMENT OF WORK

FOR

INSPECT, REPAIR ONLY AS NECESSARY (IROAN) OF THE MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS) LIGHT ARMORED VEHICLE AN/MLQ-36A

NSN 5865-01-383-3540

SOW-04-C4ISR-09999B-2/1

Prepared by

MARINE CORPS SYSTEM COMMAND
COMMAND, CONTROL, COMMUNICATION, COMPUTERS, INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE
(C4ISR)

Albany, Georgia

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Statement of Work
for the IROAN of the
Light Armored Vehicle (LAV)
Mobile Electronic Warfare Support System (MEWSS)
Auto/Hull
NSN: 5865-01-383-3540

1.0 SCOPE. This Statement of Work (SOW), along with the Inspect, Repair Only As Necessary (IROAN) Standard Depot Maintenance Manual (DMM) 2350-50/2_ (current revision), sets forth tasks and identifies the work efforts that shall be performed by the contractor as minimum requirements to assemble, integrate, make fully operational, adjust, install, test, and inspect the Light Armored Vehicle, Mobile Electronic Warfare Support System (LAV-MEWSS) Auto/Hull. This SOW sets forth guidelines by which the LAV-MEWSS shall be refurbished, repaired, and restored to Condition Code "A," utilizing procedures contained in DMM 2350-50/2_, to include Modification Instructions (MIs), Technical Instructions (TIs) and Engineering Change Proposals (ECPs).

1.1 Background. The AN/MLQ-36 has been modified into a new configuration (AN/MLQ-36A, NSN 5865-01-383-3540) via a Product Improvement Program (PIP). Source documentation containing unique AN/MLQ-36A configuration variances resulting from the PIP is available from the Program Management Office: Marine Corps Systems Command, Attn: C4ISR (Craig R. Harper), Albany, GA 31704-20343, commercial telephone number (229) 639-6498 or DSN 567-6498.

1.2 Definition. IROAN is defined as "That maintenance technique which determines the extent of work and parts required to restore equipment, components, or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement

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 content of this SOW, the content of this SOW shall be the superseding requirement.

2.1 Military Specification

MIL-C-53039A	Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant Coating
MIL-C-46168D	Coating, Aliphatic Polyurethane Chemical Agent Resistant Coating
MIL-C-64159	Coating, water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant

MIL-PRF-22750	Coating, Epoxy, High Solids

2.2 Military Standards

MIL-STD-129	DOD Standard Practice For Military Marking
MIL-STD-3003	Vehicles Wheeled: Preparation for Shipment and Storage of

2.3 Other Government Documents and Publications

TM 08594A-25/1	LAV Repair Welding Procedure
TM 08594A-34/9A	Intermediate Maintenance Light Armored Vehicle, LAV-25 Automotive Hull
TM 8A192C-34&P/A	Direct and general Support Maintenance (Including Repair Parts List) Engine Diesel P/N 90010a0018 Model 5063-539P
TM 4750-15/1	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment
TM 4750-15/2-1	Camouflage Patterns
DMM 2350/2_ (Current Revision)	IROAN Manual for LAVs
TM 4795-12/1	Corrosion Prevention and Control for Marine Corps Equipment
TM 4795-34/2	Rustproofing and Underbody Coating Procedures for Tactical Vehicles, Trailers, and Engineering Equipment
TB 9-2300-245-50	Chassis Dynamometer Procedures and Test Standards Under Simulated Load Conditions
TB 9-2300-388-50	Acceptance Testing of Reconditioned Combat and Tactical Vehicles
DOD 4000.25-1-M	Military Standard Requisitioning and Issue Procedure (MILSTRIP) Manual
NAVCOMP Volume 5	Navy Comptroller Manual, Volume 5

8750193	Equipment Preservation Data Sheet (EPDS), LAV-MEWSS
SSPC-VIS-1	Pictorial Surface Preparation Standards For Painting Steel Surfaces

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.4 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems – Requirements
SSPC-SP-10/NACE No.2	Joint Surface Preparation Standard Near White Blast Cleaning
JESD625-A	Requirements for Handling Electrostatic-Discharge Sensitive (ESDS) Devices

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 publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained from: Commander, Marine Corps Logistics Bases, Attn: Publication, Branch (Code 876), Albany, Georgia 31704-5000, commercial telephone number (229) 639-6528 or DSN 567-6528. Copies of Equipment Preservation Data Sheets (EPDS) may be obtained from Commander, Attn: Logistics Support Section (Code 822-1), 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6786 or DSN 567-6786. Copies of engineering drawings/documents, Engineering Change Proposals (ECPs), and Requests for Deviation (RFDs) may be obtained by accessing the Joint Engineering Data Management Information Control System (JEDMICS). Authorization to access JEDMICS may be obtained by contacting Commander, Attn: Supply Chain Management (Code 853-1), 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6476, or DSN 567-6476. Access to engineering drawings/documents, ECPs, and RFDs for read purposes only, may be obtained by accessing the Configuration Management Information System (CMIS). Authorization to access CMIS may be obtained by contacting Commander, Attn: Logistics Data Systems (G647-1), 814 Radford Blvd., Suite 20323, Albany, Georgia 31704-0323, commercial telephone number (229) 639-6143, or DSN 567-6143. Copies of SSPC-SP-10 can be obtained

from: SSPC-The Society for Protective Coatings, 40 24th Street, 6th Floor, Pittsburgh, PA 15222-4643.

3.0 REQUIREMENTS.

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall render the following tasks in support of the Master Work Schedule.

3.1.1 Program Management. The contractor shall establish and maintain management operations that shall include the following areas:

(a) Program Planning and Control
(b) Subcontractor Control
(c) Financial Management
(d) Data Management
(e) Management Accountability for Government Furnished Equipment, Materiel, or Information
(f) Risk Management

The contractor shall establish and implement a Program Management Office function to manage all technical performance, including reliability, maintainability, Integrated Logistics Support (for locally procured items or Engineering Change Proposals), cost, schedule, and data delivery requirements of the contract.

3.1.1.1 Earned Value Management. Earned Value Management (EVM) is a tool that allows both government and the contractor program managers to have visibility into technical, cost, and schedule progress on their contracts. EVM shall be used on the LAV-MEWSS IROAN program to ensure that program cost, schedule, and performance objectives are integrated, tracked, and reported.

3.1.1.1.1 Work Breakdown Structure (WBS). The contractor shall develop a task matrix keyed to the WBS in sufficient detail to identify contractor and subcontractor responsibilities.

3.1.1.1.2 Integrated Baseline Review. An Integrated Baseline Review (IBR) shall be conducted to seek mutual understanding of and agreement to contractor planning for LAV-MEWSS IROAN. The IBR shall be held at the contractor's site no later than 60 days after contract. Fourteen days prior to IBR, the contractor shall provide Program Office (PO)-MEWSS with it's System Description, WBS, WBS Dictionary, Responsibility Assignment Matrix, Master Work Schedule, as well as sample Work Authorization Documents and their flows. The IBR shall be chaired by Marine Corps System Command (MCSC), Codes PMO-LAV and C4ISR, Albany, Georgia and/or their representatives, and shall address the following issues as a minimum:

- Verify technical content of Performance Measurement Baseline (PMB) and accuracy of related resource (budgets) and schedules.
- Ensure that there is a logical sequence of effort planned consistent with the IROAN schedule.
- Conduct a technical assessment of the earned value methods that will be used to measure

progress to assure that objective and meaningful performance data will be provided.
- Establish a joint understanding of the contractors' EVM System (EVMS), to serve as the basis for future reviews of EVM planning, status, and estimates at completion to ensure that baseline integrity is maintained throughout the life of the contract.
- Tailoring of reporting to the minimum level required for effective management and oversight.

3.1.2 Production Management. Production Management shall provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, and adjust as required to make fully functional the LAV-MEWSS.

3.1.2.1 Stages of Corrosion. Stages of corrosion One through Four are defined in TM 4795-34/2. Any component or structural member with Stages One or Two corrosion may be re-used (unless otherwise designated for replacement as a part of this program), and shall be cleaned, the surface prepared, and painted in accordance with the guidelines set forth in this SOW. Any component or structural member with Stage Three corrosion shall be repaired or replaced as deemed most economical for that part. Repairs shall be accomplished prior to surface preparation and painting. Repaired or replaced components or structural members which had Stage Three corrosion shall be cleaned, the surface prepared, and painted in accordance with the guidelines set forth in this SOW. Any component or structural member with Stage Four corrosion shall be replaced. Replaced components or structural members which had Stage Four corrosion shall be cleaned, the surface prepared, and painted in accordance with the guidelines set forth in this SOW.

3.1.2.2 The contractor shall be responsible for all structural, electrical, optics, fire control, mechanical, surface preparation and painting requirements associated with the repair and restoration of the LAV-MEWSS, as specified in this SOW. All corrosion shall be removed and treated in accordance with TM 4795-12/1.

3.1.3 Configuration Management.

3.1.3.1 Configuration Identification. The contractor shall ensure that when an assembly or component has been disassembled for repair, all parts identified as mandatory replacement parts by the applicable technical manuals shall be replaced. The contractor shall ensure that those items listed as 100% replacement in DMM 2350-50/2_ shall be replaced. The Maintenance Expenditure Limit (MEL) of 65% shall not be exceeded for the repair of assemblies, components and vehicles unless specifically authorized by Marine Corps System Command (MCSC), (Code PMO-LAV), and Command, Control, Communications, Computers and Intelligence, Surveillance and Reconnaissance (C4ISR) Albany, Georgia and/or their or their authorized representatives. All required data plates shall be in place and shall be legible. The IROAN data plate shall be constructed of metal and reflect the following (refer to Figure 1):

- The contractor that performed the IROAN.
- Overhauled to limited standards in accordance with IROAN Procedure for MEWSS.
- Odometer reading at Limited Technical Inspection _____.
- USMC No._____ Date_____ (of IROAN)

- Vehicle Completely Stripped And Repainted. Interior Yes/No Exterior Yes/No
- Chemical Agent Resistant Coating (CARC)/Camouflage Topcoat Used MIL-SPEC.

CONTRACTOR _____ OVERHAULED TO LIMITED STANDARDS IN ACCORDANCE WITH IROAN PROCEDURE FOR MEWSS. ODOMETER READING AT LIMITED TECHNICAL INSPECTION. _____ USMC NO. _____ DATE _____ VEHICLE COMPLETELY STRIPPED AND REPAINTED. INTERIOR ____ EXTERIOR ____ CARC/CAMOUFLAGE TOPCOAT USED _____

Figure 1

3.1.3.2 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, instructions or engineering drawings define the item's characteristics. 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 application, which resides at a secure web site, https://mears.redstone.army.mil. The contractor shall request user-id and password privileges from the Requiring Office 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 Requiring Office for guidance. The contractor shall notify the Requiring Office by electronic mail when completed RFDs are ready for formal submission.

3.1.3.3 Configuration Status Accounting. The contractor will review the SL-1-2 quarterly for the current listing of all TI's, ECP's, MI's and Technical publications. All MI's and TI's not applied will be requested from SCMC (Code 576-3) and applied during IROAN. PMO-LAV will provide all authorized Original Equipment Manufacturer's ECP's to be applied during IROAN.

3.2 Inspect Repair Only As Necessary (IROAN) Objectives and Functions. After IROAN, the MEWSS shall have as a minimum the following characteristics:

- Latest Configuration as identified by current contract
- Maintainable
- Serviceable Condition Code "A"

3.3 Specific Tasks. The following tasks describe the different Phases of the IROAN for the LAV-MEWSS:

- Phase I Limited Technical Inspection
- Phase II IROAN
- Phase III Inspection, Testing, and Acceptance
- Phase IV Packaging, Handling, Storage and Transportation (PHS&T)

3.3.1 Phase I – Limited Technical Inspection (LTI). A joint LTI with PMO-LAV and C4ISR personnel shall be completed within thirty days from the vehicle arriving on the base for each MEWSS under the provisions of this SOW using the contractor diagnosis, inspection, and testing techniques to determine the extent of work and parts required. Upon completion of the joint LTI, the data shall be compared for content and accuracy by C4ISR, Albany and the contractor. PMO-LAV and C4ISR, Albany shall be given 48 hours notice prior to any induction. The induction will not be delayed if the representatives are not available. If representatives are not available, a copy of the LTI shall be furnished to PMO-LAV and C4ISR, Albany by the Contractor. Any items missing on the LAV-MEWSS shall be reported. The LTI can be in the contractor's format to best facilitate their work effort. The resultant LTI documentation shall be maintained by the contractor.

3.3.2 Phase II IROAN Base Line Vehicle.

3.3.2.1 Information recorded on the IROAN LTI Sheets during Phase I shall be used as a guide to repair the LAV-MEWSS in accordance with this SOW.

3.3.2.2 All testing, inspecting, removal, disassembly, maintenance, repairs, installation, and final checks performed will comply with DMM 2350/2_.

3.3.2.3 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 571-1) 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 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: Commander, Material Management Department, Management Control Activity (Code 571-1), 814 Radford Blvd, STE 20320, Albany, GA 31704-0320 or by faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

3.3.2.4 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 the required completion/delivery date.

3.3.2.5 Hull Crack Inspection & Repair. After the completion of the LTI (Ref. 3.3.1), all (100%) LAV-MEWSS hulls shall be prepared for crack inspection and application of corrosion resistant coating. The hull shall be 100%disassembled so abrasive blasting can be accomplished for 100% internal and external paint removal, crack inspection and repair and repainting. After blasting, the hull shall be cleaned in preparation of crack inspection. The crack inspection shall be performed in accordance with this SOW (Paragraph 3.3.2.5.1), the Depot Maintenance Manual DMM 2350-50/2_, Chapter 4, Section II (Hull Welded and Machined) and TM 08594A-25/1.

3.3.2.5.1 The initial hull crack inspection shall be beyond a visual inspection and in accordance with DMM 2350-50/2_. As a minimum, inspection shall be concentrated in the following areas.

1. All Strut Caps & lower Shock Towers.
2. Right Hand Forward upper Sidewall aft of #2 strut cap.
3. Right Hand Sidewall around the exhaust System Outlet, around the forward drain hole and around vision blocks and water can mounts.
4. Left Hand Side Plate around #1 and #2 Strut caps, vision blocks and appurtenances.
5. Complete Rear Wall and Doors and around tow pintle.
6. All hatches, doors and grills.
7. Around all tiedown, lifting and tow eyes.

3.3.2.5.2 All cracks discovered shall be classified and repaired in accordance with the requirements of TM 08594A-25/1. The vehicles crack repair history shall also be evaluated to determine if additional repairs are required to restore ballistic integrity. All Crack and Hull Weld Repair Sheets and recommended repair procedures shall be provided to MCSC, (Code PMO-LAV), Albany, Georgia and/or their representative (paragraph 4.1.3 of this SOW). In the event that plate replacement is necessary, only General Motors Defense is to be utilized to procure the CMS-18 steel replacements. MCSC, (Code PMO-LAV), Albany, Georgia reserves the right to perform in process or final inspections and/or audits of the crack inspection and repair process as required.

3.3.2.5.3 The Trim Vane shall be removed prior to abrasive blasting of the hull. The trim vane shall be evaluated per DMM 2350/2_ to determine the condition. The paint shall also be evaluated to determine if stripping and repainting is required per paragraph 3.3.2.6.

3.3.2.6 Painting. After crack inspection and repair, the hull surfaces and applicable external components shall be prepared for painting. The hull shall be cleaned to a "near white" metal finish in accordance with SSPC-SP-10/NACE No.2, with a surface profile of 0.002" to 0.0025" (2 to 2.5 mils). Surface preparation for painting of the hull and components shall be in accordance with TM 4750-15/1. The prepared hull and components shall then be primed. They shall then be painted with Chemical Agent Resistance Coating paint using either MIL-C-53039A or MIL-C-46168D for exterior surfaces, or MIL-PRF-22750 for interior surfaces. Once MIL-C-64159 becomes available, it shall be used in place of MIL-C-53039A and MIL-C-46168D. Unless otherwise specified, painting shall be performed in accordance with TM 4750-15/1. The paint scheme shall be United States and European Verdant, 3-Color Camouflage Pattern, per

drawing number referenced in TM 4750-15/2-1. Glass, tires, hoses, belts, and other rubber parts shall not be painted.

3.3.2.6.1 Quality Assurance for Surface Preparation and Painting. The contractor shall implement a Quality Assurance (QA) program for surface preparation and painting in accordance with the applicable sections of TM 4750-15/1 as specified in Table I of this SOW.

TABLE I
Surface Preparation and Painting QA Requirements

Paragraph	Requirement
1-3g	Paint storage conditions – primer and topcoat: verify storage temperature ranges (low and high) that paint was stored at. Inspect condition of container to ensure there are no bulges that would indicate extreme temperature storage history.
1-3g	Shelf life – primer and topcoat: Inspect and verify shelf life has not expired.
2-2b (2) & b (3)	Condition of paint in cans (MIL-C-53039): Inspect for excessive skin or gelling.
2-4b (1) & 2-4d	Surface preparation – solvent cleaning: Visual check to be sure all oils & greases are removed prior to starting abrasive blasting or power tool cleaning.
2-4b (1) & 2-4e (1)	Surface preparation – paint stripping by blasting to bare metal: Visually inspect to ensure the surface cleanliness meets SSPC-SP-10/NACE No.2 (near white metal). Can use visual standard SSPC-VIS-1. Verify surface profile after blasting is between 1.5 and 2.5 mils. (0.0015 to 0.0025)
2-4b (1) & 2-4e (1)	Surface preparation – surface cleanliness: Visual check just prior to priming to ensure surface is still oil/grease free, near white.
2-3h (1) & 2-5c (2)	Primer: dry film thickness (dft) for epoxy primers shall be 1.0-1.5 mils. Use of wet film thickness (wft) measurements can be made to verify proper dft. WFT measurements shall be 2.0-3.0 mils. Make measurements in as many areas on vehicle as needed to verify compliance.
2-3c	Cure time/time to topcoat primer: Record time of primer application. Primer must be at least set to touch before application of topcoat.
2-3h (6)	Primer & Topcoat Tape Adhesion Test: V-scribe adhesive tape test on primer and topcoat on two production units per lot as specified in TM 4750-15/1.
2-5e (1)	Topcoat – polyurethane (exterior): Dry film thickness (dft) should be 1.8 to 2.2 mils per coat. Total system dft range should be 2.8 to 3.7 mils.
2-5g (1)	Topcoat-epoxy MIL-PRF-22750 (interior): dft should be 1.8 to 2.2 mils for two coats.
2-3h (4)	Topcoat: overspray measure for 3-color camouflage shall be within (+/- one inch of pattern edge.
2-3h (4)	Topcoat: overspray – visual inspect, no overspray on rubber, glass, canvas, data plates, or other components not normally painted.
2-3h (5)	Topcoat: visual inspect to ensure match with camouflage pattern reference points.
1-2c	Post-job: ensure Vehicle Record Document/Equipment Record Jacket is annotated with paint system used and the date applied.

3.3.2.6.2 Corrosion Prevention and Control (CPAC) Procedures. Unless otherwise specified in the Depot Maintenance Manual DMM 2350/2_ the contractor shall apply/install CPAC materials to components prior to or upon final assembly, in accordance with Appendix B-1 of TM 4795-12/1.

3.3.2.7 All work performed on electrical and electronic parts and assemblies during IROAN shall be performed in accordance with JESD625-A to minimize the negative effects of electrostatic discharge on electronic parts, assemblies, and equipment on the LAV-MEWSS.

3.3.2.8 Brake drums shall not exceed .036 inches (.912mm) above the standard measurement as outlined in TM 08594B-34/9A Paragraph 13-3. Those drums exceeding .036 (.912 mm) must be replaced.

3.3.3 Phase III - Inspection, Testing, and Acceptance.

3.3.3.1 Inspection. Inspection of the vehicle shall be conducted in accordance with the Final Inspection Road Test Check Sheet and Final Inspection Check Sheet provided by Appendix C in DMM 2350-50/2_. These sheets shall be available for review during the final acceptance testing.

3.3.3.2 Testing. The contractor shall be responsible for conducting all required tests. The contractor shall ascertain that the Final Inspection Check Sheets and the Final Inspection Road Test Check Sheets are available to MCSC, (Code PMO-LAV), Albany, Georgia and/or their representatives. Chassis/Towed dynamometer procedures and test standards are outlined in TB 9-2300-245-50. A cell dynamometer test shall be performed on all MEWSS LAV Silver Series Engines entered into the IROAN cycle. Cell dynamometer procedures and test standards are outlined in TM 8A192C-34&P/A. Copies of these sheets shall accompany the vehicle to the using unit.

3.3.3.3 Acceptance. The performance of the contractor, the quality of work delivered, including all equipment furnished and documentation material written or compiled, shall be subject to in-process review/inspection during performance. Inspection shall be accomplished in-plant and/or at any work site or location. The MCSC, (Code PMO-LAV and C4ISR), Albany, Georgia and/or their representatives shall be permitted to observe the work and/or conduct inspections during normal working hours. The above referenced personnel shall be at the contractor facility without adverse impact upon current production.

3.3.3.3.1 Final Inspection and Acceptance. Vehicles IROANed under the provisions of this SOW shall be acceptance tested in accordance with TB 9-2300-388-50. The Final Inspection Road Test Check Sheets and the Final Inspection Check Sheets will be utilized for the acceptance. PMO-LAV and C4ISR, Albany shall be given 48 hours notice prior to final inspection. The final inspection shall take place during normal working hours. If representatives are not available, the final inspection shall not occur until such time a representative is available.

3.3.3.3.2 Correction of Deficiencies. Failure to comply with any of the specified requirements listed within this SOW shall be reason for rejection by the MCSC, (Code PMO-LAV and C4ISR), Albany, Georgia and/or their representatives. Correction of deficiencies will be in

accordance with NAVCOMP Volume 5, paragraph 054014, Guarantee Policy. The depot/contractor shall be responsible to correct all deficiencies discovered, at no additional cost to the Marine Corps, and enforce compliance with quality assurance procedures. Upon approval of a documented approach, the contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with test requirements is demonstrated.

3.3.4 Phase IV Packaging, Handling, Storage and Transportation (PHS&T).

3.3.4.1 Packaging, Handling, Storage, and Transportation (PHS&T) is funded separately from the LAV IROAN line by Fleet Support Division (FSD). The FSD shall be responsible for preservation and packaging for items being repaired under the terms of this statement of work. Vehicles scheduled for long-term storage shall be in accordance with level A requirements of MIL-STD-3003 and the Equipment Preservation Data Sheet (EPDS) 8750193. The EPDS may be obtained from the Storage and Distribution Department (Code 580), Attn: Business Management Branch (Code 581), 814 Radford Blvd., Suite 20320, Albany, GA 31704-0320, commercial telephone number (229) 639-6786 or DSN 567-6786.Vehicles scheduled for shipment to all destinations shall be to level B, Drive-on/Drive-off. Items preserved to level B scheduled for overseas destinations shall have a label affixed which reads, "NOT FOR WEATHER DECK STOWAGE".

3.3.4.2 The terms "Drive-On/Drive-Off" are defined as follows:

3.3.4.2.1 Drive-On/Drive-Off - Batteries shall be hot and disconnected from the vehicle electrical system. Terminals and leads shall be taped. Fuel tank shall be filled ¼ tank full with JP5/8. The air intake system, exhaust system, brake system, drive train, and gauges shall be depreserved. Fire extinguisher brackets and seats shall be installed.

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

3.3.4.4 The MCSC, (PMO-LAV and C4ISR), Albany, Georgia and/or their representatives will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the equipment to and from the FSD.

3.4 Quality Assurance Provisions.

3.4.1 The contractor shall establish, implement, document and maintain a quality system that ensures compliance to all contractual requirements. The contractor shall implement the requirements of ANSI/ISO/ASQC Q9001-2000 or an equivalent Quality System Model; no third party certification is required. The contractor shall develop a Quality Assurance Program Plan (QAPP) and deliver it for review and approval, (paragraph 4.1.6 of this SOW). The Contractor shall also update the QAPP as required.

3.4.2 The contractor's IROAN process shall be subject to in process and final inspections and audits to assess and verify compliance with the approved QAPP. Inspections and audits shall be

conducted by MCSC (Code PMO-LAV, C4ISR), Albany, Georgia and/or their representative. All work locations or inspection stations shall be subject to in process and final inspections. MCSC, (Code PMO-LAV, C4ISR), Albany, Georgia and/or their representatives shall be permitted to observe the work/task accomplishment, and/or conduct unannounced inspections and testing within normal contractor working hours. Acceptance Tests shall be held in-plant. Inspections by MCSC, (Code PMO-LAV, C4ISR), Albany, Georgia and/or their representatives of acceptance test plans and procedures, materials, and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet contract requirements.

4.0 DELIVERABLES . Unless otherwise specified by a Contract Data Requirements List, the contractor shall provide a copy of the below deliverables to the following addresses: Marine Corps System Command, (Attn: PMO-LAV), 814 Radford Blvd., Suite 20343, Albany, GA 31704-0343, and Marine Corps System Command, (Attn: C4ISR), 814 Radford Blvd., Suite 20343, Albany, GA 31704-0343. Contractor format is acceptable for all reports not provided by the Government.

4.1 Contractor's Progress, Status and Management Report. Provide to C4ISR, Albany on a monthly basis as requested on DD Form 1423. This information shall indicate the progress of work and the status of the program and of the assigned tasks, reports costs, and informs of existing or potential problem areas.

4.1.1 Upon completion of the IROAN, the contractor shall provide a copy of all Engine and Transmission Dynamometer Run- In Schedule, Final Inspection Road Test Check Sheets, and Final Inspection Check Sheets for each vehicle to MCSC, (Code PMO-LAV), Albany, Georgia and/or their representative. Copies of these sheets shall also accompany the vehicle to the using unit.

4.1.2 Upon completion of the IROAN, the contractor shall provide a copy of the painting process QA log generated for each vehicle, in contractor format, in accordance with paragraph 3.3.2.6.1 and Table I of this SOW, to MCSC, (Code PMO-LAV), Albany, Georgia and/or their representatives. Copies of these sheets shall also accompany the vehicle to the using unit.

4.1.3 The contractor shall provide Cracks and Hull Repair Sheets on all welding repairs performed during the IROAN process to MCSC, (Code PMO-LAV), Albany, Georgia and/or their representatives. These sheets shall be turned in at completion of the vehicle. Copies of these sheets may be obtained by contacting Marine Corps Logistics Base, Albany, Code PMO-LAV at commercial telephone number (229) 639-6442/6443, or DSN 567-6442/6443.

4.1.4 SL 1-2 Review and All modification information for the vehicle shall be provided to PMO-LAV. The SL 1-2 review will be provided quarterly and MI information at completion of IROAN.

4.1.5 Cost Schedule Status Report (CSSR). An LAV-MEWSS EVMS Integrated Product Team (IPT) defined and approved tailored Cost/Schedule Status Report (CSSR) shall summarize contract cost and schedule performance data in sufficient detail that management can make

informed decisions based upon variances in budgeted and actual work performed, and budget at completion versus estimated at completion. The contractor shall agree to permit MCSC, (Code PMO-LAV, C4ISR) and/or their representative to inspect all pertinent records and data.

4.1.6 Quality Assurance Program Plan (QAPP). The contractor shall develop a QAPP to be delivered 120 days after contract award to MCSC, (Code PMO-LAV, C4ISR), Albany, Georgia and/or their representatives. MCSC, (Code PMO-LAV, C4ISR), Albany, Georgia and/or their representatives will review and provide comments within 30 days. The contractor shall provide the final QAPP 30 days after receipt of government comments. The QAPP can be produced in contractor format.

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	E. CONTRACT/PR NO.	F. CONTRACTOR
LAV - MEWSS		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	Contractor's Progress, Status, and Management Report	Management	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-80227	SOW 4.1	MCSC (PMOLAV), Albany, GA	

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

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	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, 10.3.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
MCSC (PMOLAV) Albany, GA	0	1	0
MCSC (C4ISR) Albany, GA	0	1	0
15. TOTAL →		2	

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Craig Harpell	30 Jan 03	E. G. Nivey Jr.	1-30-03

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CONTRACT DATA REQUIREMENTS LIST

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

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
LAV - MEWSS		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A002	Cost/Schedule Status Report (C/SSR)	Management

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81467	Para 4.1.5	AMSTA-LC-AL-M

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
DD		ASREQ	60 DAC

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	A	See Blk 16

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AMSTA-LC-AL-M	0	1	0
MCSC(PMOLAV Albany, GA	0	1	0
MCSC (C4ISR)	0	1	0
15. TOTAL →	0	3	0

16. REMARKS

Blk 4 - Contractor format is authrized.

Blk 12 - 60 days after close of the accounting period during which contract start is authorized.

Blk 13 - 25 days after close of accounting period.

Blk 14 - C/SSR shall be submitted electronically in ANSI/ASC X12 format compatible with PM LAVs Earned Value Management (EVM) tracking hardware. On line access by PMOLAV of the C/SSR/EVM data is preferred over electronic submission so that PMOLAV can monitor the data and print out the reports. C/SSR requirements should be tailored to the maximum extent possible to accomodate the contractor EVM system, and to reflect the minimum, essential data needed by PMOLAV to manage the program. PMOLAV and the contractor shall agree on the extent of tailoring the C/SSR at the Integrated Baseline Review (IBR).

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Craig Harper	30 Jan 03	E. G. Nieves Jr	1-30-03

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

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

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

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C	3.1.3.2	MCLBA (583)

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
NO	A	ASREQ	ASREQ

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

16. REMARKS

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

BLK4: MEARS RFD text files shall be submitted electronically using MICROSOFT (.doc) or ADOBE (.pdf) formatted software products.

BLKs 12 & 13: RFD notification shall be accomplished via e-mail to the following address:smbmatcomconfigmngmnt@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 600dpi.

BLK 14:Questions concerning MEARS CREATE V8.3 functionality shall be directed to the Requiring Office. POC is Ann Jowers who may be contacted at DSN 567-6055 or email to: jowersta@matcom.usmc.mil.

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14. DISTRIBUTION

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	Draft	Final	
		Reg	Repro
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PMO-LAV	0	0	0
15. TOTAL →	0	1	0

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Ann Jowers	30 Jan 2003	E. L. Mungo	1-30-03

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