Statement of Work (SOW)
for the
Inspect and Repair Only As Necessary (IROAN)
of the
Logistics Vehicle System (LVS)
Power Unit, Front, 12 ½ T, 4X4, MK-48
NSN 2320-01-177-5167
and the
Power Unit, Front, 12 ½ T, 4X4, MK-48A1
NSN 2320-01-417-3180

Control NR: SOW-07-PMM151-08780A/B-2

Effective Date: 1 October 2006

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TABLE OF CONTENTS

Section/Paragraph		Page
1.0	SCOPE	1
1.1	Background	1
2.0	APPLICABLE DOCUMENTS	1
2.1	Military Standards	1
2.2	Other Government Documents and Publications	1
2.3	Industry Standards	2
3.0	REQUIREMENTS	3
3.1	General Tasks	3
3.2	Detailed Tasks	4
3.2.1	Phase I - Pre-Induction	4
3.2.2	Phase II - IROAN	4
3.2.3	Phase III - Inspection, Testing and Acceptance	5
3.2.4	Packaging, Handling, Storage and Transportation (PHS&T)	6
3.3	Configuration Control	6
3.3.1	Waivers	6
3.4	Government Furnished Equipment (GFE)/ Government Furnished Materiel (GFM)	7
3.5	Contractor Furnished Materiel (CFM)	7
3.6	Quality Assurance Provisions	7
3.7	Rejection	7
4.0	REPORTS	7
4.1	Road Test and Final Inspection Checklist	7

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NSN 2320-01-417-3180

1.0 SCOPE. This Statement of Work (SOW), along with Rebuild Standard RS 08780A/B-50, with change 1, establishes, sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for purposes of this SOW, Contractor is defined as the commercial or government entity performing the IROAN) in the IROAN effort of Power Unit, Front, 12 ½ T, 4X4, MK-48, NSN 2320-01-177-5167, and the Power Unit, Front, 12 ½ T, 4X4, MK-48A1, NSN 2320-01-417-3180, hereafter referred to as the LVS MK-48 and LVS MK-48A1. This document contains requirements to restore the LVS MK-48 to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired, or reconditioned materiel which is serviceable/issuable to all customers without limitation or restriction, including material with more than six months shelf-life remaining".

1.1 Background. IROAN is defined as "that maintenance technique which determines the minimum repairs necessary 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 contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards.

MIL-STD-129	DoD Standard Practice: Military Marking for Shipment and Storage
MIL-STD-3003	Vehicles, Wheeled; Preparation for Shipment and Storage of

2.2 Other Government Documents and Publications

MI-08780A-25/1	Installation of Blackout Drive Light
MI-08780A-35/2	M16 Rifle Mount Kit
MI-08780A-35/3	Manual Engine Shutdown Cable

MI-2320-25/81	Install Anti-Locking Brake System on Truck 8x8 Logistics Vehicle System. This kit will be supplied by SCMC.
TI-08780A-25/1	Installation of Solargizer
RS 08780A/B-50	Depot Maintenance Manual LVS Power Unit MK-48 with change 1
TM-3080-50	Corrosion Prevention Control
DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
TM-08780-CD	Logistics Vehicle System
Allison Transmission Service Manual/HT 700 Series	Latest Edition when this SOW is effective
Detroit Diesel 92, Series Service Manual (2 book Set)	Latest Edition when this SOW is effective
A052499001DW	Accumulator
A051399003DW	Replacement of Hydraulic Hose Assemblies
A051399001DW	Elimination of Installing Battery Post Shield
A033199002DW	Spring and Seat Assembly
A033199003DW	Epoxy Coating of Fuel Tanks
A033199001DW	Epoxy Coating of Air Reservoirs
A030399001DW	Blasting of PEI's Components and sub-assemblies

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems - Requirements

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 on the Internet at http://www.dodssp.daps.mil. Copies of other government documents and publications required by contractors 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 Command, 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 566-1A, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, facilities, repair parts, and missing parts necessary to inspect, diagnose, restore, and test the LVS MK-48 and LVS MK-48A1. Upon completion of IROAN, repaired vehicles shall be Condition Code "A".

b. Provide all tools and test equipment required to test, inspect, and calibrate the LVS MK-48 and LVS MK-48A1.

c. Conduct final on-site testing for witness by a Marine Corps Systems Command (MCSC), Code PMM151, Albany, Georgia representative.

d. Be responsible for all structural, electrical and mechanical requirements associated with the restoration of the LVS MK-48 and LVS MK-48A1 using TM-08780-CD as guidance.

e. Conduct a an IROAN of the LVS MK-48 and LVS MK-48A1 transmission using Allison Transmission Service Manual/HT 700 Series as guidance.

f. Conduct an IROAN of the LVS MK-48 and LVS MK-48A1 transfer.

g. Conduct an IROAN of the LVS MK-48 and LVS MK-48A1 engine using Detroit Diesel 92, Series Service Manual (2 book set).

h. Conduct 100 percent replacement of the LVS MK-48 and LVS MK-48A1 radiator core.

i. Conduct 100 percent replacement of hydraulic hoses.

j. Provide 100 percent replacement of brake linings and brake springs.

k. Conduct 100 percent cab replacement.

l. Be responsible for converting the "Deadman Axle" from the old configuration to the new configuration if not previously converted. The new "Deadman Axle" has a solid shaft installed.

m. Be responsible for all corrosion prevention and control in accordance with TM-3080-50.

3.2 Detailed Tasks. The following tasks describe the different phases for IROAN of the LVS MK-48 and LVS MK-48A1.

3.2.1 Phase I - Pre-Induction. A Pre-Induction Inspection Analysis shall be performed for each LVS MK-48 and LVS MK-48A1 to determine extent of work and parts required in accordance with RS 08780A/B-50, paragraph 2-1.f. If it is determined that the cost of repair exceeds the standard unit price or acquisition/replacement cost as imposed by current Marine Corps directives, or for any other reason, the Contractor facility rejects an IROAN candidate, MCSC, Code PMM151, Albany, Georgia representative shall be provided by the Contractor facility, a completed copy of the Initial Inspection Checklist located in Table 2-1 of RS 08780A/B-50 to include a cost estimate and a request for specific instructions to MCSC, Code PMM151, Albany, Georgia in accordance with Section 4.0 of this SOW. The intent of this clause is to preclude the arbitrary rejection of IROAN candidates by the Contractor based solely on cost criteria directed by current Marine Corps directives. MCSC, Code PMM151, Albany, Georgia representative retains the right to make the final decision to restore the end item to a serviceable (Condition Code "A") asset in the most expeditious manner to enhance Marine Corps readiness. Those items requiring 100 percent rebuild in Section 3.0 shall not be subject to a Pre-Induction Inspection Analysis.

3.2.2 Phase II - IROAN. After Pre-Induction Tests and Inspections have been completed, repair of the LVS MK-48 and LVS MK-48A1 shall be accomplished in accordance with this SOW and RS 08780A/B-50 at the Contractor's facility. Deficiencies noted on the Initial Inspection Checklist during Phase I shall be repaired/replaced.

a. Data Plate. LVS MK-48 and LVS MK-48A1 shall have an IROAN data plate located on the driver's side door next to the original manufacturer's data plate. This plate (refer to Figure 1) shall be constructed of metal and is to be attached after the vehicle has completed the IROAN cycle. The data plate shall contain the following information:

VEH. SER. NO_____DATE_____
OVERHAULED IN ACCORDANCE WITH INSPECT AND REPAIR ONLY AS NECESSARY (IROAN) CONTAINED IN SOW-07-PMM151-08780A/B-2 EFFECTIVE DATE 1 OCTOBER 2006

ODOMETER READING AT TIME OF IROAN_____

CONTRACTOR_____

(Figure 1)

NOTE: Odometers on LVS MK-48 and LVS MK-48A1's repaired under the provisions of this SOW shall not be reset to zero.

b. Hardware.

(1) Replace broken, unserviceable, and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners in accordance with the LVS MK-48 RS 08780A/B-50. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

(4) The Contractor is authorized to fabricate "by sample" any item/part for the LVS MK-48 and LVS MK-48A1, which an engineering drawing does not exist or for any other reason MCSC, PMM151, Albany, Georgia may approve. The hydraulic hoses and the frame horns are acceptable items for this method at this time.

c. Application of Modification Instruction (MI's) and Technical Instructions (TI). The following MIs and TI shall be applied during this phase of the IROAN process: MI-08780A-25/1, MI-08780A-35/2, MI-08780A-35/3, MI-2320-25/81, and TI-08780A-25/1.

3.2.3 Phase III - Inspection, Testing and Acceptance

a. Upon completion of the IROAN of the LVS MK-48 and LVS MK-48A1, in accordance with this SOW, each LVS MK-48 and LVS MK-48A1 shall be coupled to a GFE MK-14 Read Body Unit pay loaded to 22.5 tons and shall be driven for at least 25 miles at varying speeds compatible with the terrain. The minimum speed the vehicle shall attain on level highway shall be 45 MPH. The distance traveled shall consist of highway, partly surfaced gravel roads, and sharp (90 degree) turns. For each ten (10) miles traveled at least one sudden stop shall be accomplished. All gears of the transmission, including reverse, shall be used during the road test. Transfer/differential locks on all vehicles shall be engaged and disengaged a minimal of 10 times during the road test. Upon completion of the road test, all equipment shall be thoroughly examined and the doors, control devices, and other functional parts shall be tested for proper operation.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance tests shall be held at the Contractor's facility. MCSC, Code PMM151, Albany, Georgia representative shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts and components not required for testing.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC, Code PMM151, Albany, Georgia representative may require the

Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. Acceptance testing on all LVS MK-48 and LVS MK-48A1 vehicles under the provisions of this SOW shall be accomplished in accordance with RS 08780A/B-50.

3.2.4 Packaging, Handling, Storage and Transportation (PHS&T)

a. The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of the SOW. Items scheduled for long-term storage or shipment to overseas destinations shall be in accordance with Level "A" requirements of MIL-STD-3003. Items scheduled for shipment for the immediate use of short-term storage shall be in accordance with Level "B" requirements.

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

c. The Marine Corps will provide the Contractor with the delivery destination of the repaired equipment (Normally for the LVS, delivery will be to stock). The Logistics Management Specialist shall be responsible for arranging for shipment (from stock) to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Configuration Control. The Contractor shall apply configuration control procedures to established configuration items. The Contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request For Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

3.3.1 Waivers. The following waivers have been approved for this IROAN effort.

a.	A052499001DW	Accumulator
b.	A051399003DW	Replacement of Hydraulic Hose Assemblies
c.	A051399001DW	Elimination of Installing Battery Post Shield
d.	A033199002DW	Spring and Seat Assembly
e.	A033199003DW	Epoxy Coating of Fuel Tanks
f.	A033199001DW	Epoxy Coating of Air Reservoirs
g.	A030399001DW	Blasting of PEI's Components, and sub-assemblies

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA) (Code 581-1B) 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 DD 1348 to Materiel and Distribution

Management Department, Materiel Management Department, Management Control Activity (Code 581-1B), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, or faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498. If Depot Source of Repair (DSOR) mandated, assets at repair facility will not be considered GFE/GFM.

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materiel 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.

3.6 Quality Assurance Provisions. The Contractor shall provide and maintain a Quality System that, as a minimum, adheres to the requirement of ANSI/ISO/ASQC Q9001-2000, Quality Management Systems – Requirements. MCSC, Code PMM151, Albany, Georgia retains the right to conduct in-process reviews and inspections for compliance with these procedures and standards. MCSC, Code PMM151, Albany, Georgia further retains the right for in-process reviews and inspections of the quality of work delivered, material provided and documents written during contract performance. Failure of the contractor to promptly correct deficiencies discovered shall be reason for suspension of acceptance until corrective action has been accomplished.

3.7 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCSC, Code PMM151, Albany, Georgia. The Contractor shall, at no additional cost to MCSC, Albany, Georgia, provide the following:

a. Develop an approach for modification or correction of all deficiencies.

b. Upon approval of a documented approach, the Contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures requirements is demonstrated.

4.0 REPORTS

4.1 Road Test and Final Inspection Checklist. The Contractor shall complete the Road Test and Final Inspection Checklist for each LVS MK-48 and LVS MK-48A1 repaired. These documents shall be available during final acceptance testing. One copy of each document shall be provided to Commanding General, Marine Corps Systems Command, Code PMM151, 814 Radford Blvd., STE 20343, Albany, Georgia 31704-0343, after final acceptance of the LVS MK-48 and LVS MK-48A1.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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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

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER X
D. SYSTEM/ITEM MK-48 & MK-48A1	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Request For Deviation	Configuration Management

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C	SOW 3.3	MCLCA (566)

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

16. REMARKS

Blk 4: RFDs shall be submitted electronically. Contractor format is authorized.

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

Blk 4: RFD accompanying figures or graphics shall be created using a MICROSOFT or ADOBE formatted with a minimum density of 600 dpi.

Blks 10 & 12: RFDs shall be submitted to obtain authorization to deliver nonconforming material that does not meet the prescribed configuration documentation.

Block 14: RFDs shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@logcom.usmc.mil

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14. DISTRIBUTION

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Diane L. Bradley	AUG 0 2 2004	D Cooper	8-1-04

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