STATEMENT OF WORK (SOW)

SOW-02-837-1-05926B-2/1

FOR THE IROAN OF THE

GENERATOR SET, DIESEL ENGINE

DRIVEN

3 KW 60 HZ, MODEL MEP-016B

NSN 6115-01-150-4140

TAMCN B07307B

ID# 05926B

29 NOVEMBER 2000

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INSPECT AND REPAIR ONLY AS NECESSARY (IROAN)
STATEMENT OF WORK FOR THE
Generator Set, Diesel Engine Driven, 3KW 60HZ, Model MEP-016B

1.0 SCOPE. This Statement of Work (SOW), along with the U.S. Rebuild Standard RS 05926B/06509B-50, establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor in the IROAN of the GENERATOR SET, DIESEL ENGINE DRIVEN, 3KW 60HZ, MODEL MEP-016B, hereafter referred to as the GENERATOR SET. These documents contain the minimum requirements to assemble, integrate, make fully operational, calibrate, install, test and inspect the GENERATOR SET 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 limitation or restriction. Includes materiel with more than six months shelf-life remaining." National Stock Number (NSN) 6115-01-150-4140 shall be known as the GENERATOR SET.

Additionally, RS 05926B/06509B-50 sets forth guidelines within which the GENERATOR SET shall be refurbished, repaired and restored. The basic configuration of the GENERATOR SET is established by the Stock List SL-4-05926B/06509B-24P/2. All materiel (including repair parts) shall be provided by the contractor. Installation and testing shall be performed by the contractor. All special tools and test equipment required to perform any task on the GENERATOR SETS are listed in RS 05926B-06509B-50, and shall be provided by the contractor.

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 for Military Marking
MIL-STD-130	DoD Standard Practice for Identification Marking of US. Military Marking
MIL-STD-642	DoD Standard Practice for Identification Marking of Combat and Tactical Transport Vehicles

2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

SL-4-05926B/06509B-24P/2	Generator Set, Diesel Engine Driven, 3KW 60HZ, Model MEP-016B, PCN 124 059270 00
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material From The Federal Supply System
PPP-G-2919	Generator Sets, Mobile Electric Power and Supplemental Equipment; Packaging of
TM 4750-15/1	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment, PCN 182 04750 00
TM 05926B/06509B-12/1	Generator Set, Diesel Engine Driven, 3KW 60HZ, Model MEP-016B, PCN 184 059267 00
RS 05926B/06509B-50	Rebuild Standard, Generator Set, Diesel Engine Driven, 3KW 60HZ, Model MEP-016B, PCN 170 046680 00
DoD 4000.25-1-M	MILSTRIP MANUAL, PCN 411 000165 00

Military Handbook (For Guidance Only)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards.

ANSI/ISO/ASQC Q9002-1994	Quality Systems-Model for Quality Assurance in Production, Installation, and Servicing

Industry Standard (For Guidance Only)

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, Telephone (215 697-2179 or DSN 442-2179, or 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: Commander, Attn: Contracting Officer (Code 891), Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 851-3, 814 Radford Blvd. Suite 20320,

Albany, GA. 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS.

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall render, yet shall not be limited to the following tasks:

a. Provide materials, labor, facilities, repair parts, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair and calibrate as required to make fully operational, the GENERATOR SET.

b. Conduct final-on-site testing for witness by the Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives.

c. The contractor shall be responsible for all structural, electrical and mechanical requirements associated with the repair and restoration of the GENERATOR SET.

3.2 Rebuild Objectives and Functions. After IROAN, the GENERATOR SET shall have as a minimum, the following characteristics:

a. Reliable as per system specifications

b. Be maintainable

c. Be Serviceable (Condition Code "A")

d. Be the latest Marine Corps Configuration

e. All Generator systems and components shall operate as design intended.

3.3 Specific Tasks. The following tasks describe the different phases for the IROAN of the GENERATOR SET.

Phase I Pre-Induction (Initial Inspection)

Phase II Rebuild

Phase III Inspection, Testing and Acceptance

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

3.3.1 Phase I Pre-Induction.

a. The contractor shall inspect in detail all generators transported to the contractor for IROAN under provisions of this SOW using Section IV (troubleshooting) of TM 05926B/06509B-12/1. The contractor shall insure that the inspection is sufficient to determine

the condition of the inspected generator and the extent of work and repair parts required. The findings of this inspection shall be annotated on the Generator Pre-Induction Inspection Checklist, Appendix A, located in RS 05926B/06509B-50, Appendices D, E, and F, and shall be maintained and made available upon request by the Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representative. The Generator Initial Inspection Checklist may be duplicated in an electronic database and maintained in that database. If data is selected to be provided electronically to the Weapon System Manager, MCLB, Albany, (Code 837-1) and /or their representative, the database must be agreed to by both the contractor and the Weapons System Manager, MCLB, Albany, (Code 837-1) and or their representative.

b. Test equipment, as identified in RS 05926B/06509B-50, shall be used to determine that assemblies and subassemblies meet prescribed reliability, performance, and work requirements. In those cases when conformance to the SOW cannot be certified through existing inspection and testing procedures and by use of diagnostic equipment, the assembly shall be removed, disassembled, inspected, tested, and repaired to the degree necessary to assure full conformance with this SOW.

c. Evidence of lubricating or hydraulic oils passing through or around a seal or gasket is in itself, not a defect. However, consideration must be given to the fluid capacity in the item being checked/inspected. Inspection shall normally be performed during and immediately following an operational test, but not sufficient duration to allow the fluids to return to ambient temperatures. The following shall be used as a guide in determining the degree of oil loss:

1. Class I - Seepage of fluid (indicated by wetness or discoloration) not great enough to form drops.

2. Class II - Leakage of fluids great enough to form drops, but not enough to cause drops to fall from the item being checked/inspected.

3. Class III - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

A CLASS I OR II LEAK, EXCEPT FUEL SYSTEM, IS AN ACCEPTABLE CONDITION AT ANY TIME AND DOES NOT REQUIRE CORRECTIVE ACTION

3.3.2 PHASE II – IROAN. After pre-induction tests and inspections have been completed, repair of the Generator Set shall be accomplished in accordance with this SOW and RS 05926B/06509B-50. Deficiencies noted on the Generator Initial Inspection Checklist during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair. Mandatory replacement parts list is contained in Table 3-1 of RS 05926B/06509B-50.

a. Cleaning and Painting. Cleaning and painting shall be accomplished in accordance with Section IV of RS 05926B/06509B-50.

b. Data Plates and Decals. Each IROANed Generator Set shall have an IROAN data plate affixed next to the existing generator data plate after the generator has completed the repair cycle. The data plate shall meet the requirements of MIL-STD-130 and TM 4750-15/1. The IROAN data plate shall contain the following information:

GENERATOR SERIAL NO._____REPAIRED IN ACCORDANCE WITH SOW-02-837-1-05926B-2/1.
CONTRACTOR FACILITY_____
DATE_____HOUR METER READING AT TIME OF IROAN_____

3.3.3 PHASE III - INSPECTION, TESTING AND ACCEPTANCE.

a. Inspection, testing and acceptance of the Generator Set shall be conducted in accordance with provisions of this SOW and RS 05926B/06509B-50.

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. The Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be set up with all safety considerations incorporated (test area clearly defined, limited access to unauthorized vehicles and foot traffic, etc.).

c. The contractor shall be responsible for correcting any deficiencies identified during inspection/testing. The Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives 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 Generator Sets repaired under the provisions of this SOW shall be accomplished in accordance with RS 05926B/06509B-50.

e. Vehicle markings, registration numbers and other markings shall be applied in accordance with MIL-STD-642.

f. The Generator Set shall be equipped with instruction plates suitably located, describing any special or important procedures to be followed in operating and servicing the equipment. Plates shall be of a material which will last and remain legible for the life of the equipment, and shall be securely affixed thereto with nonferrous screws, rivets or bolts of not less than 1/8 inch diameter.

NOTE

Reading of hour meters that require replacement during the IROAN are to be recorded as information to be included in the record jacket of that Generator Set. The generator record jacket is also to be annotated that these components were replaced during the IROAN and the reading annotated on the IROAN data plate is that of the hour meter that required replacement.

g. All major equipment or component serial numbers that are replaced during the IROAN are to be identified by the contractor for entry in the record jacket of the Generator Set. The information listed will be the Generator Set serial number, Name of equipment/component(s) replaced, serial number of deficient equipment/component(s), serial number of replacement equipment/component(s), and if the equipment component(s) is new or rebuilt.

3.3.4 PHASE IV - 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 this statement of work. Items being prepared for long-term storage or overseas shipment shall be in accordance with the level A requirements of PPP-G-2919. Items being prepared for domestic shipment, immediate use or short-term storage shall be in accordance with level B requirements. First article testing of the pack as delineated by paragraph 3.1 of PPP-G-2919 is not required.

b. Marking shall be in accordance with MIL-STD-129.

c. The Marine Corps 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 Contractor.

3.4 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 receiving 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 (paragraph 4.3 and table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

3.5 GOVERNMENT FURNISHED EQUIPMENT (GFE)/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 product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for the Marine Corps assets. The contractor shall report receipt of all GFM and report consumption to GFM to the MCA.

3.5.1 Collateral Equipment and Generator Support Items. Known as "SL3 Components," shall be obtained from the Commander, Marine Corps Logistics Bases, (Code 870), 814 Radford

Blvd, Albany, Georgia 31704-1128, commercial telephone number (229) 639-5889 or DSN 567-5889. Coordination of effort to assure Quality Assurance measures are observed during this time will be the responsibility of the contractor.

3.6 CONTRACTOR FURNISHED MATERIEL (CFM). The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.21A). In the event that Contractor Furnished Materiel (CFM) is required for repair parts, the contractor shall requisition repair parts through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.7 QUALITY ASSURANCE PROVISIONS.

3.7.1 Quality Assurance Performances. The performances of the Contractor and the quality of work delivered, material provided and documents written shall be subject to in-process review and inspection by the Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives during contract performance. Inspection may be accomplished at any work location. Authorized Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives shall be permitted to observe the work/task accomplishment or to conduct inspections at all reasonable hours within contractor's normal working hours. Acceptance tests shall be held in-plant. Inspection by the Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives of all acceptance test plans, materials and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet contract requirements which may be disclosed prior to final acceptance.

3.7.2 Quality Assurance Requirements. The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994 Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing. The contractor's work shall be subject to in-process reviews and inspections for compliance with Quality Systems by Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives. Noncompliance with 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, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements delineated and addressed in the GENERATOR SET RS 05926B/06509B-50.

3.7.3 Quality Assurance Verification. Quality Assurance operations performed by the contractor shall be subject to the Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives' verification at any time. This verification can include, but shall not be limited in any manner, to the following:

a. Inspection of materials, products, assemblies, and documentation to assess compliance with quality standards.

b. Surveillance of operations to determine that quality assurance, practices, methods, and procedures are being properly applied.

c. Inspection of deliverable products to assure compliance with all requirements of the Generator Set, this SOW, and applicable documents used herein.

d. Failure of the contractor to promptly correct deficiencies discovered, shall be reason for suspension of acceptance until corrective action has been made.

3.8 ACCEPTANCE.

3.8.1 Acceptance Inspection. The performance of the contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps Weapon System Manager, MCLB, Albany, (Code 837-1) and/or their representatives shall be permitted to observe the work or to conduct inspection at all reasonable hours within the contractor facilities normal working hours. Final Inspection and acceptance testing shall be conducted at the contractor's facility. Final acceptance shall be conducted on 100 percent of the items to verify that the generators meet all requirements.

3.8.2 Acceptance Testing. The Generator Set IROANED under the provisions of this SOW shall be accomplished in accordance with RS 05926B/06509B-50, Generator Final Inspection Checklist.

3.9 REJECTION.

Failure to comply with any of the specified requirements listed herein, shall be reason for rejection by Marine Corps Weapon System Manager, MCLB, Albany, (Code 837-1). The contractor shall, at no additional cost to MCLB, 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 is demonstrated.

4.0 REPORTS.

4.1 Generator Initial Inspection Checklist. The contractor shall complete the Generator Initial Inspection Checklist for each Generator Set repaired. These documents shall be available during final acceptance testing. One copy of each document shall be provided to Commander, Marine Corps Logistics Bases, (Code 837-1), 814 Radford Blvd, Suite 20320, Albany, Georgia 31704-1128, via Federal Express, after final acceptance of the Generator Set. The Initial Checklists can be found in Appendix D, Appendix E, and Appendix F of RS 05926B/06509B-50.

4.2 Generator Final Inspection Report. The contractor shall provide one copy per generator, of the Generator Final Inspection Report. The report shall be available for review during the final

acceptance testing and one copy shall be sent to Commander, Marine Corps Logistics Bases, (Code 837-1), 814 Radford Blvd, Suite 20320, Albany, Georgia 31704-1128, via Federal Express, upon acceptance of the Generator Set. The Final Inspection Checklists can be found in Appendix D, Appendix E, and Appendix F of RS 05926B/06509B-50.

4.3 Generator Operational Test Report. The contractor shall provide one copy per generator, of the Generator Operational Test Report. The report shall be available for review during the final acceptance testing and one copy shall be sent to Commander, Marine Corps Logistics Bases, (Code 837-1), 814 Radford Blvd, Suite 20320, Albany, Georgia 31704-1128, via Federal Express, upon acceptance of the Generator Set. The Generator Operational Test Report can be found in Appendix G of RS 05926B/06509B-50.

GENERATOR SET PRE-INDUCTION INSPECTION CHECKLIST

GENERATOR SET SERIAL NUMBER_____

CONDITION CODE UPON RECEIPT_____

CORROSION PREVENTION METHODS TO BE USED_____

REPAIR PARTS/ASSEMBLIES REQUIRED FOR REPAIRS

DEFECTIVE PARTS AND ASSEMBLIES

GENERATOR SET PRE-INDUCTION INSPECTION CHECKLIST

GENERATOR SET SERIAL NUMBER_____

CONDITION CODE UPON RECEIPT_____

CORROSION PREVENTION METHODS TO BE USED_____

_____

REPAIR PARTS/ASSEMBLIES REQUIRED FOR REPAIRS

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DEFECTIVE PARTS AND ASSEMBLIES

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CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
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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 Generator Set, Diesel Engine Driven, 3 KW 60 HZ, Model MEP-016B	E. CONTRACT/PR No.	F. CONTRACTOR
1. DATA ITEM No. A001	2. TITLE OF DATA ITEM Request for Deviation (RFD)	3. SUBTITLE Configuration Management
4. AUTHORITY *(Data Acquisition Document No.)* DI-CMAN-80640C	5. CONTRACT REFERENCE SOW 3.4	6. REQUIRING OFFICE MARCORLOGBASES (851)

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	FINAL Reg	FINAL Repro
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MCLBA (851-2)	0	1	0
15. TOTAL	0	1	0

16. REMARKS

Block 4 Contractor format is authorized and shall be submitted in .doc or .pdf format.

Block 12 - RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the government.

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

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

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
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