

SOW-00-847-2-08077A-1/1

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**Statement of Work
for
Rebuild of Power Supply, PP-7333/GRC
NSN 6130-01-048-9920**

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**Prepared by
Life Cycle Management Center, Code 847-2
Marine Corps Logistics Bases, Albany, GA.**

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STATEMENT OF WORK FOR THE
Rebuild of Power Supply, PP-7333/GRC
NSN 6130-01-048-9920

1.0 Scope. This Statement of Work (SOW), along with rebuild standard RS-08077A-50, establishes and 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 rebuild in the rebuild effort of the Power Supply. These documents contain requirements to restore the Power Supply 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, including materiel with more than 6 months shelf-life remaining."

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 a maintenance technique or complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the items."

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-2073-1C	DoD Standard Practice for Military Packaging

Military Standards (For Reference Only).

MIL-STD-973	Configuration Management
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2.2 Industry Standards.

ANSI/EIA 625	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
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ANSI/ISO/ASQC Q9002-1994	Quality Systems
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2.3 Other Government Documents and Publications. The issues of those documents cited below shall be used.

SL-4 08077A w/Ch. 1	Repair Parts for Power Supply PP-7333/GRC	PCN 124 080770 00
TM-08077A-14/1A	Power Supply PP-7333/GRC	PCN 184 079510 00
RS-08077A-50	Power Supply PP-7333/GRC	PCN 170 070800 00
28687-74E6N100	Engineering Drawing	
TM-4750-15/2	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment	
TI-5820-25/22	Electromagnetic Environmental Effects Procedures	PCN 168 047801 00
DOD 4400.25-1-M	MILSTRIP Manual	
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material From the Federal Supply System	

(Copies of military specifications and standards are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Weapon System Manager: Life Cycle Management Center, Attn: Code 847-2, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number (912) 439- 6543 or DSN 567-6543. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320.)

3.0 Requirements

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

a. Provide materials, labor, equipment, facilities and missing/repair part necessary to inspect, diagnose, restore, test and calibrate the Power Supply. Upon completion of rebuild, the subject item shall be Condition Code "A."

b. Conduct in-process and final on-site testing for witness by a Marine Corps authorized representative.

3.2 Detail Tasks. The following tasks describe the different phases for rebuild of the Power Supply.

3.2.1 Phase I- Pre-induction. A pre-induction inspection analysis shall be performed for each Power Supply using the Contractor Facility's diagnosis, inspection and testing techniques to determine extent of work and parts required. These findings shall be annotated on the Pre-Induction Checklist (Appendix A).

3.2.2 Phase II -Rebuild. After pre-induction tests and inspections have been completed, repair of the Power Supply shall be accomplished in accordance with this SOW and Rebuild Standard. Deficiencies noted on the Pre-Induction Checklist (Appendix A) during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Hardware.

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turn lock fasteners, mandatory replacement items, safety, and one-time use items, etc., in accordance with the Rebuild Standard. 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.

3.2.3 Phase III - Inspection, Testing and Acceptance.

a. Inspection, Testing and Acceptance of the Power Supply shall be conducted in accordance with SL-4 08077A w/Ch. 1; TM-08077A-14/1A; RS-08077A-50; TM-4750-15/2; TI-5820-25/22 and Drawing 28687-74E6N100.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are notified prior to completion of the final acceptance. Acceptance tests shall be held at the contractor's facility, MCLB (Code 891), Albany, Georgia, representatives shall be given a minimum of two weeks notice prior to commencement of acceptance testing.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 891), Albany, Georgia, 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 of the Power Supply shall be conducted in accordance with SL-4 08077A w/Ch. 1; TM-08077A-14/1A; RS-08077A-50; TM-4750-15/2; TI-5820-25/22 and Drawing 28687-74E6N100.

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

a. The Contractor shall be responsible for preservation and packaging of items being rebuilt under the terms of this SOW. Items being prepared for long term storage or shipment to overseas destinations shall be level "A" in accordance with MIL-STD-2073-1C, Table A.VI., Electronic Equipment. Items being prepared for domestic shipment and/or immediate use shall be Level "B."

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 rebuilt 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 subject equipment to and from the Contractor.

3.3 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/G316-2), 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 Marine Corps assets.

3.4 Configuration Control. The contractor shall implement configuration control to established configuration items. Deviation from the established baseline configuration will not be allowed without the approval in writing from the Weapon System/Equipment Manager (Code 847-2). If there is a need to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation/Request for Waiver using MIL-STD-973, paragraph 5.4.3, 5.4.4, and Appendix E, as a guide.

3.5 Contractor Furnished Materiel. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the Contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6 Electrostatic Discharge (ESD) Control Program. The contractor shall establish, implement and document an ESD control program following the guidelines provided in EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

3.7 Electromagnetic Environmental Effects (E3) Procedures. The Contractor shall plan for and use proper (E3) control procedures in the Rebuild process and shall utilize TI-5820-25/22 in conjunction with the detailed requirements specified in this document.

3.8 Quality Assurance Provisions. The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994, Quality System Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include design, fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The Government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements. The Contractor shall provide an Inspection and Test Plan that will ensure the Power Supply will meet or exceed it's original performance characteristics.

3.9 Acceptance. 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 representatives shall be permitted to observe the work or to conduct an inspection. Final inspection and acceptance testing shall be conducted at the Contractor's Facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

3.10 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB (Code 891), Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

**Pre-Induction Checklist
PP-7333/GRC**

1. Using the following criteria, inspect the items listed below.
 - a. Inspect for dirt, dust, sand, etc.
 - b. Inspect for rust and/or corrosion damage.
 - c. Inspect for any physical damage. (cuts, dents, cracks, broken pins, etc.)
 - d. Ensure that all screws, washers, nuts, bolts, etc. are attached.
 - e. Inspect for dry rot on all rubber and plastic components.
 - f. Ensure that all covers and caps are attached.
 - g. Ensure that all knobs, switches and breakers operate freely and properly.

S - Serviceable

U - Unserviceable

M - Missing

<u>PP-7333/GRC Power Supply Inventory/Serviceability check:</u>	<u>Condition</u>	<u>Remarks</u>
1. AC PWR SWITCH	_____	_____
2. DC PWR SWITCH	_____	_____
3. AC PWR DIM Control	_____	_____
4. AC INPUT, J1	_____	_____
5. DC OUTPUT, J2	_____	_____
6. AC POWER Indicator Light	_____	_____
7. DC VOLTS Meter	_____	_____
8. Clamp, Cable, Electrical Connector, P1	_____	_____
9. Clamp, Cable, Electrical Connector, P2	_____	_____
10. Connector Plug, Electrical, 1-57/64 inch diameter	_____	_____
11. Connector Plug, Electrical, 1-19/32 inch diameter	_____	_____
12. Handles	_____	_____
13. Chassis	_____	_____

