

**STATEMENT OF WORK FOR THE
Rebuild of the Transponder Set (AN/PPN-19(V)2)
NSN 5895-01-195-1199**

1.0 **SCOPE.** This Statement of Work (SOW) 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 Transponder Set (AN/PPN-19(V)2), NSN 5895-01-195-1199 and the following Secondary Depot Repairables (SDR's):

<u>Nomenclature</u>	<u>NSN</u>
Amplifier-Detector Assembly, J-Band	5895-01-175-0938
Battery Box, CY-8412/PPN-19 (V)2	6160-01-175-0921
Circuit Card Assembly, Mother Board	5998-01-175-0955
Circuit Card Assembly, Microprocessor	5998-01-175-0956
Circuit Card Assembly, Panel Interface	5998-01-175-0958
Modulator Group, RADAR, I-Band	5840-01-291-8365
Detector Assembly, K-Band	5895-01-178-2303
Assembly, Encoder Control	5998-01-175-0957

This document contains requirements to restore the transponder set (AN/PPN-19(V)2) 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 six 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, repairs 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 DoD 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 Standard**

MIL-STD-129

DoD Standard Practice for Military Marking

MIL-STD-2073-1D DoD Standard Practice for Military Packaging

2.2 Other Government Publications

RS 5840-50&P/3 Dtd June 1990, Rebuild Standard for Transponder Sets

DoD 4000.25-1-M MILSTRIP Manual

AG00000600 Special Packaging Instruction (SPI)

AG00000601 Special Packaging Instruction (SPI)

Engineering Drawing
C5083030, CAGE 94990 Transponder Set AN/PPN-19 (V)2

Military Handbooks (For Guidance)

MIL-HDBK-61 Configuration Management Guidance

2.3 Industry Standard

JESD625-A Requirements for Handling Electrostatic-Discharge Sensitive (ESDS) Devices

ANSI/ISO/ASQC
Q9003-1994 Quality Systems-Model for Quality Assurance in Final Inspection and Test

Industry Standards (For Guidance)

ANSI/EIA-649 National Consensus Standard for Configuration Management

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, commercial telephone number (215) 697- 2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by 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., Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 583-1, 814 Radford Blvd., STE 20320, Albany, GA 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 The contractor shall rebuild the Transponder Set and the following Secondary Depot Repairables (SDR's) in accordance with RS 5840-50&P/3 and Engineering Drawing C5083030, CAGE 94990.

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3.2 Quality acceptance and test procedures shall be in accordance with RS 5840-50&P/3.

3.3 Tailor RS 5840-50&P/3 Electrostatic Discharge (ESD) Standards to JESD625-A.

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 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.

3.4 Quality Assurances Provisions. The contractor shall provide and maintain a Quality System that as a minimum adheres to the requirements of ANSI/ISO/ASQC Q9003-1994, Quality Systems-Model for Quality Assurance in Final Inspection and Test.

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

a. The Contractor shall be responsible for preservation and packaging of item(s) to be delivered under the terms of this Statement of Work. Transponder Set, AN/PPN-19(V)2, if scheduled for long term storage or overseas shipment, shall be in accordance with the Level "A" requirements of MIL-STD-2073-1D, Method 42. Items scheduled for domestic shipment for immediate use or short-term storage shall be to level "B" requirements. The subassemblies/components of the Transponder Set (except Circuit Card Assemblies) shall be preserved and packaged in accordance with the requirements of Special Packaging Instruction (SPI) AG00000600. The Circuit Card Assemblies shall be preserved and packaged in accordance with the requirements of SPI AG00000601. All items subject to Electrostatic Sensitive Discharge shall be packed into a reusable fast pack container.

b. Marking for shipment and storage 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 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.

3.6 Government Furnished Equipment/Government Furnished Materiel (GFE/GFM). The Management Control Activity (MCA/Code 573-2) will coordinate Government Furnished Equipment/Government Furnished Materiel (GFE)/(GFM) request 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 to Materiel Management Department, Management Control Activity (Code 573-2), 814 Radford Blvd., STE 20320, Albany, GA 31704-0320 or faxing a copy of the DD1348 to commercial 229-639-5498 or DSN 567-5498.

3.7 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 required completion/delivery date.

