



Produced with the aid of ADSS Automated SOW Tool (4.06)

Acquisition Requirements Package (ARP)

PADDS summary, Integrated SOW, Notes and DSL

Control Number: C94CF184C9

ARP Title: AM-4322A AMPLIFIER

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Statement of Work

1.0 Scope. This Statement of Work (SOW) defines the efforts required to refurbish, repair, overhaul and test required by this solicitation in accordance with the Documents listed below. The items being refurbish, repair/overhaul are entitled “AM-4322A Frequency Amplifier “.

2.0 Applicable Documents. The following documents are applicable to the extent cited.

2.1 Military and Federal Stds

| <u>Document No.</u> | <u>Document Title</u> | <u>Applicability</u> |
|---------------------|-----------------------|----------------------|
| NONE | | |

2.2 Military and Federal Specs

| <u>Document No.</u> | <u>Document Title</u> | <u>Applicability</u> |
|---------------------|-----------------------|----------------------|
| NONE | | |

2.3 Other DoD Documents

| <u>Document No.</u> | <u>Document Title</u> | <u>Applicability</u> |
|-----------------------|-----------------------|----------------------|
| SM-E- 978752 rev A | | Required |
| TM- 11-5820-540-30 | | Information |
| TM- 11-5820-540-35P-3 | | Information |
| TM- 11-5820-540-40-3 | | Information |

2.4 Com'l Documents

| <u>Document No.</u> | <u>Document Title</u> | <u>Applicability</u> |
|---------------------|-----------------------|----------------------|
| NONE | | |

3.0 Requirements. The contractor shall refurbish, repair, overhaul and test each item in the quantity set forth in Section B of the schedule in accordance with Documents listed above and this SOW. In the event of a conflict between the requirements of this SOW and any drawings for the item on contract, the requirements of this SOW shall govern.

3.1. Requirements for Packaging.

3.1.1 Packaging - Preservation, packaging, and marking shall be in accordance with Section ‘D’ of the Contract.

3.1.2 Documentation. The contractor shall document by serial number each antenna group and list replacement parts and refurbishment. The data in use shall be available for government review and use.

3.2. Requirements for Applying Chemical Agent Resistant Coating (CARC).

3.2.1 Paint Finishes. The contractor shall paint the exterior surfaces of the AM-4322A Frequency Amplifier and interior surfaces which is open to the environment as necessary when needed with lusterless Green 383 CARC to make the item like new condition. The CARC final film shall be aliphatic polyurethane, unless otherwise specified by the technical data cited elsewhere in this contract. The CARC final film shall be inherently fungistatic and have the required infrared reflectance. The CARC final film shall be applied over a compatible lead and chromate free and chemical agent resistant epoxy primer. The surfaces shall be prepared and pretreated prior to the application of primer.

3.2.2 Visual Inspection Criteria. Color match on the finished assembly shall be a general match per ASTM D 1729. Light sources for evaluation shall be in accordance with ASTM D 1729. Marring and surface lightening due to handling is characteristic of CARC coatings, and will not be grounds for rejection unless the film has been damaged such that the lower coatings or substrate is exposed. In those cases, touch-up using the final paint film shall be performed.

3.2.3 Workmanship. Finishes shall be applied to surfaces to form an even, adherent, protective film. Finished surfaces shall be smooth and free from foreign debris. They shall not exhibit burnt areas, blisters, gouge marks, peeling, flaking, checks, pits, nodules, or other significant defects. To help prevent corrosion, finished parts shall be dry and free from all residual traces of processing chemicals. Metal surfaces to be finished shall be free of all dirt, grease or any particulate matter prior to the application of pretreatment, primer or final film. Materials and processes used in the application of all preconditioning, passivation, pretreatments, primers and final films shall be in accordance with best commercial practice. Careful attention shall be paid to selecting processes and grades of finish materials such that the finish will not be degraded when the end item assembly is subjected to full environmental exposure as defined in the end item requirements.

3.2.4 Touch-up. When piece parts have been finished with complete paint finishes, fixed assemblies shall be touched up in order to provide a continuous film across the interfaces. This requirement does not apply to hairline joints between mating parts, gasketed joints, or where moving parts such as hinges or catches are present. Touch-up paint used shall be identical to the final paint film and shall provide a reasonable color match with that of all other assembled parts.

3.2.5 Coating Thickness. The dry film thickness of each coating shall be as follows:

| Coating | Thickness (Mils) |
|---|--------------------------|
| Pretreatment | 0.3 - 0.5 |
| Primer | 1.0 - 1.5 |
| Final Film (aliphatic polyurethane) OR Final Film (epoxy) | min 1.8 1.3 - 1.7 |

3.3. Requirements for contractor repair/replacement.

3.3.1 Start-Up. The contractor shall establish a repair/replacement facility within 15 days after contract is awarded. The vendor's facility shall include the tools, test equipment, repair parts, personnel, etc., required to meet the repair/replacement requirements of this contract. Special tools or test equipment shall not be designed, developed or manufactured in order to accomplish the tasks of this repair/replacement contract without express direction of the PCO. The contractor shall provide the shipping address of this facility to the Government POC, in writing, within 10 days after the exercise of the repair/replacement contract award. All spare parts that are not consumed as part of the repair/replacement effort shall be delivered to the Government upon contract completion. The contractor shall contact the PCO for disposition instructions at least 30 days prior to contract completion.

3.3.2 Repair/Replacement. The contractor shall refurbish, repair or replace hardware and ancillary items acquired under this contract, which are not covered by a warranty.

3.3.2.1 Periods of Performance shall be less than six month from the day of award, not to exceed 50 amplifiers.

| | | |
|----------|----------|----------------|
| 10 each | 30 days | after Contract |
| 10 each | 60 days | after Contract |
| 10 each | 90 days | after Contract |
| 10 each | 120 days | after Contract |
| 10 each | 150 days | after Contract |
| ----- | ----- | |
| 50 total | 150 days | |

3.3.2.2 Repair/Replace Criteria. Unless authorized by the PCO/ACO, this SOW does not apply to refurbish, repair, overhaul and testing of the frequency amplifier (AM-4322A) when the price exceeds \$5000.00 dollar each. If the repair cost of the returned item exceeds \$5000.00 each, the vendor shall contact the PCO/ACO for authorization to perform work prior to Government approval.

3.3.2.3 Turn Around Time. Turn around time is defined as the time from contractor receipt of an inoperative unit or assembly at the contractor's repair/replacement facility to delivery of the repaired/replacement and refurbish item to the Government. The turn around time for this effort shall be a maximum 10 amplifiers each month totaling 50 amplifiers.

3.3.2.4 Shipment of Repaired/Replacement Equipment. The contractor shall forward all repaired/replacement/updated/modified serviceable end items with DD Form 1149, Requisition and Invoice/Shipping Document, to packing/shipping for return in accordance with shipping instructions provided by the Government. In order to perpetuate asset visibility, the DD Form 1149, block 6 title "Requisition Number" shall contain the ORIGINAL DOCUMENT NUMBER as those provided on DD Form 1348-1, DOD Single Line Item Released/Receipt Document, Card Column numbers 30-43 or DD Form 1348-1 Automated, Nov 87, Issue, Release/Receipt Document, block number 24. The DD Form 1348-1 or DD Form 1348-1 Automated is the official shipping document from a government depot or other government designated location to the contractor's repair facility. Each document number contains 14 digits and starts with W15GK8... When using DD 250's, include the document number and National Stock Number (NSN) in block 16 of the DD 250.

DCMAO Quality Assurance Representatives must assure the use and accuracy of document numbers on each shipment.

3.3.2.5 Reuse of Packaging Materials. The contractor shall make maximum use of the packaging materials in which the equipment was originally received, when packaging repaired/replacement equipment.

3.3.2.6 Disposition of Uneconomically Repairable Items. A letter of notification addressing items considered uneconomical to repair or update/modify shall be forwarded through the Administrative Contracting Officer (ACO) to the Procuring Contracting Officer (PCO). In order to perpetuate asset visibility, this letter shall contain the National Stock Number (NSN) and the ORIGINAL DOCUMENT NUMBER as those provided on DD Form 1348-1, DD Form 1348-1, DOD Single Line Item Released/Receipt Document, Card Column numbers 30-43 or DD Form 1348-1 Automated, Nov 87, Issue, Release/Receipt Document, block number 24. The DD Form 1348-1 or DD Form 1348-1 Automated is the official shipping document from a government depot or other government designated location to the contractor's repair facility. Each document number contains 14 digits and starts with W15GK8.... DCMAO Quality Assurance Representatives must assure the use and accuracy of document numbers prior to any acceptance. Authorization to repair or condemn shall be obtained from the PCO for those items determined to be uneconomical to repair. The PCO shall coordinate with the item managers on all items authorized to be condemned or found uneconomically repairable. All correspondence between PCO and inventory managers shall also contain the NSN and the Original Document Number as described above. When returning items that are found uneconomical to repair or update/modify, the contractor shall clearly tag those items as "uneconomically repairable" and forward items with DD Form 1149, Requisition and Invoice/Shipping Document, to packing/shipping for return in accordance with shipping instructions provided by the Government. In order to perpetuate asset visibility, the DD Form 1149, block 6 title "Requisition Number" shall contain the ORIGINAL DOCUMENT NUMBER as those provided on DD Form 1348-1 and DD Form 1348-1 Automated.

3.4 Warranty. All items repaired or replaced by the contractor shall be covered by the same warranty applicable to new items delivered under this contract.

3.4.1 Maintenance Records. The contractor shall maintain a record of all refurbish, repair /replacement actions performed during this contract. This Maintenance Record shall identify returned equipment by name, part number, repair price/cost, serial number, repair/replacement action taken, why a repair or replacement decision was made, date each item was received for repair, whether the item is covered by a warranty, and date/time repaired or replacement item was shipped back to the Government. This data shall be made available for review upon Government request.

3.4.2 Requirements for Final Inspection and Test. The contractor shall implement and maintain a Final Inspection and Test System that meets or exceeds the requirements established below. These requirements are commonly accepted practices employed by industry.

3.4.3 Quality System. The contractor shall establish/maintain an effective inspection and test system for final inspection and test of completed products.

3.4.4 Inspection and Testing Procedures. The contractor shall utilize documented procedures for final inspection and testing of finished products to ensure that all contract requirements are satisfied.

3.4.5 Inspection and Testing. The quality system shall assure that all final inspections and tests required satisfying contract requirements are conducted.

3.4.6 Records. The contractor shall maintain adequate records of final inspections and tests to demonstrate that the product satisfies contract requirements.

3.4.7 Measuring, Testing, and Inspection Equipment. The contractor shall provide and maintain gages (including production tooling used for inspection purposes) and other measuring and testing equipment to assure that finished products conform to contract requirements. These devices shall be calibrated against certified measurement standards, which are traceable back to national/international standards.

3.4.8 Inspection and Test Status. The contractor shall maintain a system for the identification of the final inspection and test status of all products.

3.4.9 Nonconforming Material. The contractor shall establish and maintain a system for controlling material, which does not satisfy contract requirements, including procedures for its identification, segregation, and disposition (rework/repair, scrap, etc.).

3.4.10 Corrective Action. The contractor shall promptly act to correct nonconforming materials and processes to preclude the recurrence of the problem and to satisfy contract requirements.

3.4.11 Training Requirements. The contractor shall identify/provide for the training needs of their personnel performing inspections and tests.

3.4.12 Handling, Storage, Preservation, Packaging, and Shipping. The contractor shall control the handling, storage, preservation, packaging, and shipping to protect the quality of finished products.

3.5 Condition Codes:

- A Serviceable (ready for issue)
- F Unserviceable (economically repairable materiel)
- G Unserviceable (awaiting parts/administrative delay)
- H Unserviceable (condemned/scrap)
- J Suspended (materiel suspended from issue pending condition classification when the true condition is not known)
- L Litigation (suspended/held pending determination)
- M Suspended (in repair at contractor's facility)