DRAFT
Maintenance Effort Remains Consistent with the Prior Fiscal Year

STATEMENT OF WORK (SOW)
For the Rebuild of the
AIRBORNE DIRECT AIR SUPPORT CENTRAL, AN/UYQ-3A(V)1
SERIAL #'s: A7-A11
NSN: 5895-01-110-6584
ID#: 06743B; CAGE: 14203

1. This SOW identifies the work effort that shall be performed by the Contractor to rebuild the AN/UYQ-3A(V)1, NSN 5895-01-110-6584, ID# 06743B, CAGE 14203.

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STATEMENT OF WORK
For the Rebuild of
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SERIAL #'s: A7–A11
(5895-01-110-6584)
ID#: 06743B; CAGE: 14203

1.0 Scope: This Statement of Work (SOW) contains the minimum requirements to assemble, integrate, make fully operational, calibrate, install, test and inspect the Airborne Direct Air Support Central, AN/UYQ-3A(V)1, NSN: 5895-01-110-6584; hereafter referred to as the ADASC. This document contains requirements to restore the ADASC 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 material 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, repair or replacement of worn or unserviceable parts/elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the item."

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-2073-1D	DoD Standard Practice for Military Packaging

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

SL-3-03745A	ANTENNA AT-1011/U
SL-3-06743 W/CH 1-5	Direct Air Support Central AN/UYQ-3A(V)1&2
SL-4-07743A/07749A W/CH 1-24	Radio Set AN/MRC-138, AN/GRC-193

SL-4-85023B W/CH 1-10	Receiver-Transmitter RT-246/VRC
MI-06743-35/1	UHF Mast Assembly
MI-06743-35/2	SINCGARS Installation
MI-08180A-24/1 W/CH 1&2	Replace Resistor on MODEM Control RT-1272
MI-5820-35/36A URG W/CH 1-4	Install Handle Guard on AN/VRC-12
MI-5820-35/53	Pads for Radio Frequency Amp AM/6545
MI-87107B-45/1 W/CH 1	Power Amplifier AM-6545
MI-87107B-45/2 W/CH 1-5	Add Power Switch AM-6545/GRC-193
MI-87107B-45/3	Radio Frequency Amplifier AM-6545
TI-03745A-15/1B	Weatherproofing Antenna, AT-1011/U
TI-08446A-13/3 W/CH 1	PM Performance Standard for AN/GRC-171A(V)2
TI-08446A-15/1	Radio Set AN/GRC-171A(V)2
TI-08446A-25/2	Install Transistor in AN/GRC-171A(V)2
TI-5820-14/20 W/CH 1&2	PM Procedures for AN/MRC-138/138A & GRC-193
TM-06743A-14/2	AN/UYQ-3A- Operation and Maintenance Instructions
TM-08446A-14/1 W/CH 1&Errata	Radio Set, AN/GRC-171A(V)2
TM 11-5820-401-20P	Radio Sets AN/VRC-12/43-49
TM 11-5820-401-34P-2-1	Receiver Transmitter Radio RT-246/VRC-246A
TM 11-5820-401-34P-2-2	Receiver Transmitter Radio RT-524/VRC-524A
TM 11-5820-401-34P-3	Radio Receiver R-442A/VRC
TM 11-5820-401-35-9 W/CH 1&2	MT-1029/VRC & MT-1898/VRC
TM 11-5895-262-24P W/CH A	Antenna AS-1729/VRC
NAVSHIPS 0967-266-6080	HD-580A/TSQ-18 Technical Manual Overhaul Instructions

NAVSHIPS 0967-266-6070	HD-580A/TSQ-18 Operation and Maintenance Instructions
NAVSHIPS 0967-266-6120	HD-580A/TSQ-18 TM & Illustrated Parts Breakdown
DoD 4000.25-1-M	MILSTRIP Manual

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

JESD625-A	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
ANSI/ISO/ASQC Q9002-1994	Quality Systems-Model for Quality Assurance in Production, Installation and Servicing

Industry Standards (For Guidance)

ANSI/EIA-649	National Consensus Standard for Configuration Management

Copies of Military Specifications and Standards 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 Bases, Albany, GA 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., Suite 20320, Albany, Georgia 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 provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, test and calibrate the ADASC. Upon completion of repairing the subject item it shall be Condition Code "A".

3.2 Detail Tasks: The following tasks describe the different phases for repair of the ADASC:

Phase I	Pre-Induction
Phase II	Repair
Phase III	Inspection, Testing and Acceptance
Phase IV	Packaging, Handling, Storage and Transportation (PHS&T)

3.2.1 Phase I - Pre-Induction: A pre-induction inspection analysis shall be performed for each ADASC within five working days of induction into the Contractor's facility for evaluation of rebuild capability. If rebuild is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Systems Command (MCSC), Code C4I, Albany, Georgia and/or their representatives for disposition instructions, otherwise assign CC "M" and induct into the rebuild cycle. The Pre-Induction Checklist (Appendix A) shall be used to report all anomalies and shall be provided to the government in accordance with Section 4.0 of this SOW.

3.2.2 Phase II - Rebuild: After pre-induction tests and inspections have been completed, rebuild of the ADASC shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist 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, turnlock fasteners, mandatory replacement items, safety and one-time use items. 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.

b. Publications and Documentation: In addition to the documents invoked in Section 3 of this SOW, the Contractor may use the following documents:

SL-3-03745A	ANTENNA AT-1011/U
SL-3-06743 W/CH 1-5	Direct Air Support Central AN/UYQ-3A(V)1&2
SL-4-07743A/07749A W/CH 1-24	Radio Set AN/MRC-138, AN/GRC-193
SL-4-85023B W/CH 1-10	Receiver-Transmitter RT-246/VRC
MI-06743-35/1	UHF Mast Assembly
MI-06743-35/2	SINCGARS Installation
MI-08180A-24/1 W/CH 1&2	Replace Resistor on MODEM Control RT-1272
MI-5820-35/36A URG W/CH 1-4	Install Handle Guard on AN/VRC-12
MI-5820-35/53	Pads for Radio Frequency Amp AM/6545
MI-87107B-45/1 W/CH 1	Power Amplifier AM-6545
MI-87107B-45/2 W/CH 1-5	Add Power Switch AM-6545/GRC-193
MI-87107B-45/3	Radio Frequency Amplifier AM-6545

TI-03745A-15/1B	Weatherproofing Antenna, AT-1011/U
TI-08446A-13/3 W/CH 1	PM Performance Standard for AN/GRC-171A(V)2
TI-08446A-15/1	Radio Set AN/GRC-171A(V)2
TI-08446A-25/2	Install Transistor in AN/GRC-171A(V)2
TI-5820-14/20 W/CH 1&2	PM Procedures for AN/MRC-138/138A & GRC-193
TM-06743A-14/2	AN/UYQ-3A- Operation and Maintenance Instructions
TM-08446A-14/1 W/CH 1&Errata	Radio Set, AN/GRC-171A(V)2
TM 11-5820-401-20P	Radio Sets AN/VRC-12/43-49
TM 11-5820-401-34P-2-1	Receiver Transmitter Radio RT-246/VRC-246A
TM 11-5820-401-34P-2-2	Receiver Transmitter Radio RT-524/VRC-524A
TM 11-5820-401-34P-3	Radio Receiver R-442A/VRC
TM 11-5820-401-35-9 W/CH 1&2	MT-1029/VRC & MT-1898/VRC
TM 11-5895-262-24P W/CH A	Antenna AS-1729/VRC
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NAVSHIPS 0967-266-6070	HD-580A/TSQ-18 Operation and Maintenance Instructions
NAVSHIPS 0967-266-6120	HD-580A/TSQ-18 TM & Illustrated Parts Breakdown
DoD 4000.25-1-M	MILSTRIP Manual

3.2.3 Phase III - Inspection, Testing and Acceptance

a. Inspection, Testing and Acceptance of the ADASC shall be conducted in accordance with the documents and TM's listed in Section 3.2.2 b.

b. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC (Code C4I), Albany, GA representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

3.2.4 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 scheduled for long-term storage or shipment to overseas destinations shall be in accordance with the level A requirements of MIL-STD-2073-1D, Appendix A, Table A.VI., Electronic Equipment. Items scheduled for domestic shipment for immediate use or short-term storage shall be to 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 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 subject equipment to and from the Contractor.

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

3.4 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.

3.5 Electrostatic Discharge (ESD) Control Program: The contractor shall establish, implement and document an ESD control program following the guidelines provided in JESD625-A. ESD protective measures shall be used during manufacturing, handling, inspection, testing, marking, packaging, storing and transporting ESD sensitive components.

3.6 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 Systems - Model for Quality Assurance in Production, Installation and Servicing. The program shall ensure quality throughout all areas to include processing, assembly, inspection, testing, maintenance and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. MCSC (Code C4I), Albany, Georgia and/or their representative 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.

3.7 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. MCSC (Code C4I), Albany, Georgia and/or their representative shall be permitted to observe the work or to conduct an inspection.

3.8 Rejection: Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCSC (Code C4I), Albany, Georgia and/or their representative. The Contractor shall, at no additional cost to MCSC (Code C4I), Albany, Georgia and/or their representative, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

3.9 Configuration Management: 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 submit a Request for Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

4.0 Reports: All report deliverables shall be submitted in hard copy to Commander, Marine Corps Systems Command (Code C4I), Suite 20343, 814 Radford Blvd., Albany, Georgia 31704-0343, unless directed otherwise in a Contract Data Requirements List.

4.1 Pre-Induction Checklist: The Contractor shall complete the Pre-Induction Inspection Checklist (Appendix A) for each ADASC repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCSC (Code C4I), Albany, Georgia, after final acceptance of the ADASC.

4.2 Test/Inspection Report: The Contractor shall provide a Test/Inspection Report for each ADASC.

4.3 Repairable Item Inspection Report: The Contractor shall provide a Repairable Item Inspection Report for each ADASC. The report shall be identified by United States Marine Corps Serial Number.

4.4 Monthly Progress Reports: The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the ADASC Program.

INSTRUCTIONS

DEPARTMENT OF DEFENSE: DLAR 4140.55/AR 735.11.2/NAVSUPINST 4440.127E/AFR 400.54/MCO 4430.3E, Reporting of Item and Packaging Discrepancies and/or DLAR 4140.60/AR 12-12/NAVSUPINST 4920.9B/AFR 67.7/MCO 4140.1B, processing Discrepancy Reports Against Foreign Military Sales Shipments.
CIVILIAN AGENCIES: See FPMR handbook cited in 19 (2) (a).

REPORT OF DISCREPANCY (ROD) SHIPPING ____ PACKAGING	1. DATE OF PREPARATION	2. REPORT NUMBER
3. TO: *(Name and Address, Include ZIP Code)*	4. FROM: *(Name and Address, Include ZIP Code)*	
5a. SHIPPERS NAME	5b. NUMBER AND DATE OF INVOICE	5c. TRANSPORTATION DOCUMENT NUMBER *(GBL, Waybill, TCN, etc.)*
7a. SHIPPER'S NUMBER *(Purchase Order/Shipment, Contract, etc.)*	7b. OFFICE ADMINISTERING CONTRACT	8. REQUISITIONER'S NUMBER *(Requisition, Purchase Reque etc.)*

9. SHIPMENT, BILLING, AND RECEIPT DATA				10. DISCREPANCY DATA				11.
NSN/PART NUMBER AND NOMENCLATURE (a)	UNIT OF ISSUE (b)	QUANTITY SHIPPED/ BILLED (c)	QUANTITY RECEIVED (d)	QUAN-TITY (a)	UNIT PRICE (b)	TOTAL COST (c)	1 CODE (d)	2

12. REMARKS *(continue on separate sheet of paper if necessary)*

1. DISCREPANCY CODES		2. ACTION CODES
CONDITION OF MATERIAL C1 - In condition other than that indicated on release/receipt document C2 - Expired shelf life C3 - Damaged parcel post shipment SUPPLY DOCUMENTATION D1 - Not received D2 - Illegible or mutilated D3 - Incomplete, Improper or without authority *(Only when receipt cannot be properly processed)* MISDIRECTED MATERIAL M1 - Addressed to wrong activity OVERAGE/DUPLICATE SHIPMENTS O1 - Quantity in excess of that on receipt document O2 - Quantity in excess of that requested *(Other than unit of issue pack)* O3 - Quantity duplicate shipment PACKING DISCREPANCY P1 - Improper preservation P2 - Improper packing P3 - Improper Marking P4 - Improper unitization	PRODUCT QUALITY DEFICIENCIES Q1 - Deficient material *(Applicable to Grant Aid and FMS shipments)* SHORTAGE OF MATERIAL S1 - Quantity less than that on receipt document S2 - Quantity less than that requested *(Other than unit of issue pack)* S3 - Non-receipt of parcel post shipments ITEM TECHNICAL DATA MARKINGS *(i.e., Name Plates, Log Books, Operating Handbooks, Special Instructions, etc.)* T1 - Missing T2 - Illegible or Mutilated T3 - Precauttionary operational markings missing T4 - Inspection data missing or incomplete T5 - Serviceability operating data missing or incomplete T6 - Warranty data missing WRONG ITEM *(Identify requested item as a separate copy in Item 9. above)* W1 - Incorrect item received W2 - Unacceptable substitute OTHER DISCREPANCIES Z1 - See Remarks	1A - Disposition instructions requested *(Reply on reverse)* 1B - Material being retained *(See Remarks)* 1C - Supporting supply documentation requested 1D - Material still required, expedite shipment *(Not applicable to FMS)* 1E - Local purchase material to be returned at supplier's expense unless disposition instructions to the contrary are received within 15 days *(Reply onreverse) (Not applicable to FMS)* 1F – Replacement shipment requested *(Not applicable to FMS)* 1G – Reshipment not required. Item to be re-requisitioned 1H - No action required. Information only 1Z - Other action requested *(See remarks)*

13. FUNDING AND ACCOUNTING DATA

14a. TYPED OR PRINTED NAME, TITLE, AND PHONE NUMBER OF PREPARING OFFICIAL	14b. SIGNATURE

15. DISTRIBUTION ADDRESSEES FOR COPIES

364-103 7540-00-159-4442 *(Previous edition is obsolete)* STANDARD FORM 364 (Rev. 2-80) (
Prescribed by GSA FPMR 101.2

16. FROM:	17. DISTRIBUTION ADDRESSEES FOR DISTRIBUTION
18. TO:	Use window envelope to mail this document. Insert Name and address, including ZIP Code, starting one typing space below the left dot. Each address line must NOT extend beyond right dot. Address must not exceed four single space typing lines.

19. IN ACCORDANCE WITH NOTICE OF DISCREPANCY ON FACE OF THIS FORM:

a. MATERIAL ☐ HAS BEEN ☐ WILL BE SHIPPED — DOCUMENT NUMBER

b. ☐ NO RECORD OF SHIPMENT. RESUBMIT REPORT TO PROPER OFFICE UNDER

c. ☐ AN ADJUSTMENT IN BILLING HAS BEEN/WILL BE PROCESSED AS A ☐ CREDIT ☐ DEBIT

d. ☐ INVOICE/BILL ATTACHED

e. ☐ PROOF OF DELIVERY

f. ☐ AN ADJUSTMENT IN BILLING FOR THIS REPORTED DISCREPANCY WILL NOT BE PROCESSED FOR THE FOLLOWING REASON WHICH IS CITED IN THE INDICATED REGULATION

(1) REASON FOR NOT PROCESSING	(2) PRESCRIBING REGULATION
☐ (a) DISCREPANCY WAS NOT REPORTED WITHIN THE TIME FRAMES ALLOWED AND/OR	☐ (a) CHAPTER 5 OF THE GSA HANDBOOK, DISCREPANCIES OR DEFICIENCIES IN GSA OR DOD SHIPMENTS, MATERIALS, OR BILLINGS (FPMR 101.26.8)
☐ (b) DOLLAR VALUE DOES NOT MEET THE CRITERIA PRESCRIBED IN THE REGULATION OR AGREEMENT INDICATED IN 191(2)	☐ (b) CHAPTER 2 AND/OR 7 OF DOD 4000.25.7.M, MILITARY STANDARD BILLING SYSTEM (MILBILLS) AND/OR DD 1513, U.S. DOD OFFER AND ACCEPTANCE, AS APPLICABLE

20. THE FOLLOWING DISPOSITION IS TO BE MADE OF THE REFERENCED MATERIAL

a. ☐ PROCESS FOR DISPOSAL IN ACCORDANCE WITH SERVICE/AGENCY DIRECTIVES

b. ☐ REPRESENTATIVE WILL CALL FOR DISCUSSION CONCERNING DISPOSITION — DAYS

c. ☐ RETAIN MATERIAL AT NO CHARGE

d. ☐ MATERIAL WILL BE PICKED UP IN: — DAYS

e. ☐ SHIP MATERIAL *Specify location)*

(1) ☐ GBL APPROPRIATION CHARGEABLE:

(2) ☐ CHARGES COLLECT - VIA: ☐ FREIGHT ☐ EXPRESS ☐ PARCEL POST

(3) ☐ PARCEL POST LABEL ATTACHED (4) ☐ FREIGHT PREPAID — ($

f. ☐ OTHER *(Specify)*

21. ☐ IF MATERIAL IS STILL REQUIRED, SUBMIT NEW REQUISITION

22. ☐ REPLACEMENT WITH SATISFACTORY MATERIAL WILL BE MADE ON/OR BEFORE: — DATE

23. REMARKS *(Continue on separate sheet of paper if necessary).*

24a. TYPED OR PRINTED NAME AND PHONE NUMBER OF PREPARING OFFICIAL	24b. SIGNATURE	24c. DATE

STANDARD FORM 364 BACK (REV. 2-80)