# STATEMENT OF WORK (SOW)

for

Inspection and Repair Only As Necessary (IROAN)

of the

AN/GSQ-261 Tactical Remote Sensor System (TRSS)

# Intelligent Communications Controller (ICC)

NSN 5895-01-418-4723

P/N 87001B3900 CAGE 01365

Bobbi J. Webster (C4I-SR)
Equipment Specialist
Marine Corps Systems Command
MCSC, Albany, GA

Charlotte F. Fannin (Code 575-3)
Material Management Specialist
Supply Chain Management Center
MCLB Albany, GA

William T. Reynolds (C4I-SR)
Logistics Management Specialist
Marine Corps Systems Command
MCSC, Albany, GA

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**Intelligent Communications Controller (ICC)**
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1.0 Scope. This Statement of Work (SOW) identifies the work effort that shall be performed by the contractor for the IROAN of the Intelligence Communications Controller (ICC), NSN 5895-01-418-4723, part number 87001B3900, CAGE code 01365; hereafter referred to as the ICC. This document contains requirements to restore the ICC to Condition Code "A". Condition Code "A" is defined as "serviceable and issuable without qualification, including new, used, repaired or reconditioned material that is serviceable and issuable to all customers without limitation or restriction, including material with more than six months shelf-life remaining."

1.1 Background. IROAN, for the purpose of this SOW, is defined as "That maintenance technique which determines the minimum repairs necessary to restore equipment, including its components and assemblies to prescribed maintenance serviceability and reliability standards utilizing all necessary diagnostic equipment and applicable test procedures in order to minimize disassembly and parts replacement." IROAN of the ICC shall ensure that all serviceability criteria are met or exceeded and optimum reliability of the original design (or approved modified configuration, if applicable) is achieved.

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. Any remaining conflicts will be resolved at the discretion of the Logistics Management Specialist (C4I-SR): Commander, Attn Logistics Management Specialist (C4I-SR), Marine Corps Systems Command, 814 Radford Boulevard Suite 20343, Albany, Georgia 31704-0343, commercial telephone number (229) 639-6585, DSN 567-6585.

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

| | |
|---|---|
| Engineering Drawing 87001B3900, CAGE 01365 | Technical Data Package for Intelligent Communications Controller |

| | |
|---|---|
| TM 09856-10/1 | Operation Instructions, Sensor Mobile Monitor System, AN/MSC-77 |
| TM 09856-24&P/3 | Maintenance Instructions with Parts Breakdown, Sensor Mobile Monitor System, AN/MSC-77 |
| TM 09864-14&P | Operation and Maintenance Instructions with Parts Breakdown, Test Set, Tactical Remote Sensor System, TS-4458/GSQ |
| DoD 4000.25-1-M | Military Standard Requisitioning and Issue Procedures (MILSTRIP) |

Military Standard (For Reference Only)

| | |
|---|---|
| MIL-HDBK-61 | Configuration Management Guidance |

2.3 Industry Standards

| | |
|---|---|
| JESD625-A | Requirements for Handling Electrostatic-Sensitive-Discharge (ESDS) Devices |
| ANSI/ASQC Q9001 | Quality Systems-Model for Quality Design, Development Production, Installation, and Servicing |

Industry Standard (For Guidance)

| | |
|---|---|
| ANSI/EIA-649 | National Consensus Standard for Configuration Management |

Copies of Military Standards and Specifications are available from 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: 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 Supply Chain Management Center, Attn: Code 583-1, 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (299) 639-6476 or DSN 567-6476.

3.0 Requirements

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall be responsible for all materials, labor, equipment, facilities, and replacement of missing/repair parts necessary to inspect, diagnose, restore, test and calibrate the ICC. Upon completion of repair, the subject item shall be Condition Code "A".

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

Phase I Pre-Induction
Phase II Repair
Phase III Inspection, Testing and Acceptance
Phase IV Preparation for Shipment and/or Storage

3.2.1 Phase I (Pre-Induction). A pre-induction inspection analysis shall be performed for each ICC within five working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Logistics Base, SCMC (Code 575-3), 814 Radford Blvd., Albany, Georgia 31704-0230 for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. Equipment Inspection and Maintenance Worksheet DA-2404 (Appendix A) shall be used to report all anomalies and shall be provided to MCSC Code C4I-SR, Albany, Georgia in accordance with section 4.0 of this SOW.

3.2.2 Phase II (Repair). After pre-induction tests and inspections have been completed, repair of the ICC shall be accomplished in accordance with this SOW. Deficiencies noted on the Equipment Inspection and Maintenance Worksheet DA-2404 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. The following Standards and Publications shall be used to assist the Contractor to restore the ICC to Condition Code "A".

| | |
|---|---|
| Engineering Drawing 87001B3900, CAGE 01365 | Technical Data Package for Intelligent Communications Controller |
| TM 09856-10/1 | Operation Instructions, Sensor Mobile Monitor System, AN/MSC-77 |
| TM 09856-24&P/3 | Maintenance Instructions with Parts Breakdown, Sensor Mobile Monitor System, AN/MSC-77 |

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|---|---|
| TM 09864-14&P | Operation and Maintenance Instructions with Parts Breakdown, Test Set, Tactical Remote Sensor System, TS-4458/GSQ |
| DoD 4000.25-1-M | Military Standard Requisitioning and Issue Procedure (MILSTRIP) |

3.2.3 Phase III (Inspection, Testing and Acceptance)

a. Inspection, Testing and Acceptance of the ICC 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 conducting tests in accordance with applicable procedures and specifications.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. Marine Corps Systems Command (MCSC) Code C4I-SR, Albany, Georgia 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 the item(s) 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 in accordance with the 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 will be responsible for arranging for the 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). The Management Control Activity (MCA/Code 573-2) will coordinate Government Furnished Equipment/Government Furnished Material (GFE/GFM) requests and maintains 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 the 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 a copy of the DD1348 to Material Management Department, Management Control Activity (Code 573-2), 814 Radford Blvd., Suite 20320, Albany Georgia 31704-0320 or faxing a copy to commercial (229) 639-5498 or DSN 567-5498.

3.4 Contractor Furnished Materiel (CFM). The contractor may requisition material as required in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP), Chapter 11 provided 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 material 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, test, marking, packaging, storing, and transporting ESD sensitive components.

3.6 Quality Assurances Provisions. The contractor shall provide and maintain a Quality System that as a minimum adheres to the requirements of ANSI/ISO/ASQC Q9001-1994, Quality Systems-Model for Quality Design, Development Production, Installation, and Servicing or equivalent. 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.

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 of the work. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives designated by MCSC, PMM123, 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-SR, Albany, Georgia representative. The contractor shall, at no additional cost to MCSC, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

3.9 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.

4.0 Reports

4.1 Equipment Inspection and Maintenance Worksheet. The Contractor shall complete the Equipment Inspection and Maintenance Worksheet, DA-2404 for each ICC being repaired. The deficiencies shall appear in Column c of this form. Column d must be completed in accordance with paragraph 4.2. This form should accompany the equipment during the repair process. The report shall be identified by United States Marine Corps Serial Number.

4.2 Final Inspection. The Contractor shall complete Column d of the Equipment Inspection and Maintenance Worksheet, DA-2404 for each ICC after each deficiency is repaired. The completed document shall be available prior to final acceptance testing. One copy of the document shall be provided to Marine Corps Systems Command, Attn: PMM123 (Code C4I-SR), 814 Radford Blvd., Suite 20343, Albany, Georgia, 31704-0343 after final acceptance of the ICC.

4.3 Progress Report. The Contractor shall provide a Progress Report by serial number in the contractor's format summarizing the progress and status of the ICC. This report should be submitted 60 days after the first deficiency is noted on the Equipment Inspection and Maintenance Worksheet, DA-2404. Subsequent submissions shall be within 10 days after the last business day of each month. One copy of this document is to be provided to Marine Corps Systems Command, Attn: PMM123 (Code C4I-SR), 814 Radford Blvd. Suite 20343, Albany, Georgia, 31704-0343.

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

| 1. ORGANIZATION | | | | 2. NOMENCLATURE and MODEL | | |
|---|---|---|---|---|---|---|
| 2. REGISTRATION/SERIAL/NSN | 4a. MILES | 4b. HOURS | 4c. ROUNDS FIRED | 4d. HOT STARTS | 5. DATE | 6. TYPE INSPECTION |

7. APPLICABLE REFERENCES

| TM NUMBER | TM DATE | TM NUMBER | TM DATE |
|---|---|---|---|

COLUMN a - Enter TM number.

COLUMN b - Enter applicable condition status Symbol.

COLUMN c - Enter deficiencies and shortcomings.

COLUMN d - Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e - Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" - Indicates a deficiency in the equipment that places it in an inoperative status.

CIRCLED "X" - Indicated a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until the corrective action can be accomplished.

HORIZONTAL DASH "(-)" - Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)" - Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLACK-BLUE INK, OR PENCIL - Indicates that a satisfactory condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

| 8a. SIGNATURE *(Person(s) performing inspection)* | 8b. TIME | 9a. SIGNATURE *(Maintenance Supervisor)* | 9b. TIME | 10. MANHOURS REQUIRED |
|---|---|---|---|---|
| | | | | |

| TM ITEM NO. a. | STATUS b. | DEFICIENCIES AND SHORTCOMINGS c. | CORRECTIVE ACTION d. | INITIAL WHEN CORRECTED e. |
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DA FORM 2404
1 APR 79

Procedes edition of 1 Jan 84, which will be used

# CONTRACT DATA REQUIREMENTS LIST

*(1 Data Item)*

*Form Approved*
*OMB No. 0704-0188*

The public reporting burden for this collection of information is estimated 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the

| A. CONTRACT LINE ITEM NO. | B. EXHIBIT | C. CATEGORY: TDP ____ TM ____ OTHER X |
|---|---|---|
| D. SYSTEM/ITEM AN/GSQ-261, TRSS ICC | E. CONTRACT/PR NO. | F. CONTRACTOR |

| 1. DATA ITEM NO. | 2. TITLE OF DATA ITEM | 3. SUBTITLE |
|---|---|---|
| A001 | Request For Deviation | Configuration Management |

| 4. AUTHORITY (Data Acquisition Document No.) | 5. CONTRACT REFERENCE | 6. REQUIRING OFFICE |
|---|---|---|
| DI-CMAN-80640C | SOW 3.9 | MCLBA (583) |

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

17. PRICE GRO

18. ESTIMATE TOTAL PR

16. REMARKS

Blk 4 - Contractor format submitted in .pdf or .doc format is authorized.

Blks 10 & 12 - RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation.

RFDs will be reviewed and disposition determined within 30 calander days upon receipt by the Government.

Block 14: 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.

| 14. DISTRIBUTION | | | |
|---|---|---|---|
| a. ADDRESSEE | b. COPIES Draft | Final Reg | Final Repro |
| MCLBA (583-1) | 0 | 1 | 0 |
| 15. TOTAL → | 0 | 1 | 0 |

| G. PREPARED BY | H. DATE | I. APPROVED BY | J. DATE |
|---|---|---|---|
| James C Clark | 8/22/02 | William L. Reynolds | 8/23/02 |

DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED. Page ___ of ___ Pages