



## STATEMENT OF WORK

### **1.0 SCOPE**

1.1 The Contractor shall provide the supplies and services necessary to perform contractor depot level refurbishment of Image Control Unit (ICU), p/n 12271800. This shall include the maintenance required to correct material damaged or failed, and restoration/replacement of the components, subassemblies, or assemblies to condition code A. A "condition code A" asset is defined as one that contains mandatory replacement parts, meets all performance requirements of SC12271800 H, is serviceable and issuable to all customers without limitation or restrictions.

1.2 Remanufacture/Upgrade shall conform to the ICU production configuration p/n 12271800, specification SC12271800 H, and any ECPs added by separate attachment to this contract.

1.3 Failure-Free Through Tank Assembly The contractor shall be responsible for the correction of failures due to supplier workmanship and materials that occur on components provided under this contract through tank production and final acceptance at the U. S. Army Lima Army Tank Plant. *(See Paragraph 8 for further detail)*

### **2.0 REQUIREMENTS**

#### **2.1 General**

2.1.1 The Govt shall deliver repairables consisting of entities and/or components of the ICU (12271800) to the Contractor at his facility, unless otherwise authorized by the Contracting-Officer (CO).

All Line Replaceable Units (LRUs) shall be provided in Serviceable Condition. Units will be shipped in individual shipping containers. A form DD1149 will accompany the ICUs for tracking purposes.

2.1.2 The Contractor shall perform a functional test of the units prior to induction and will advise the Government should a replacement from the Govt provided float quantity be needed because an asset is deemed unserviceable or excessively damaged. The Contractor shall expend no further resources on any ICU that is not determined to be economical to remanufacture.

2.1.3 Upon completion of remanufacture/upgrade the Contractor shall deliver all ICUs to Anniston Army Depot. A form DD1149 shall be sent with the ICUs being shipped. The Contractor is to bear the transportation costs to ANAD. *(See delivery schedule, in Section B of the solicitation)*

#### **2.2 Task A: Remanufacture/Firm Fixed Price**

2.2.1 The Contractor shall induct the item for remanufacture and proceed in accordance with the following subparagraphs.

2.2.1.1 Only those parts, assemblies and subassemblies that will be reused and are not mandatory replacement parts listed in Exhibit B shall be repaired. The remanufacture process may be witnessed by the authorized Government representative located at the Contractor facility should he so elect. The contractor's final proposed repair action may be subject to a Government representative's review and verification.

2.2.1.2 The remanufacture effort is dependent on the use of float units, which are to be provided to the Contractor by the Government as necessary to accomplish the effort. An initial quantity of 10(ten) ICU LRUs will be provided.

2.2.1.3 The requirements for GFP repair parts or float units shall not impact or be the cause of any delay in the delivery schedule without prior approval of the cognizant Government Contracting Officer. The Contractor shall notify the Government upon determining that additional GFP floats or repair parts are required due to the condition of the GFP assets.

2.2.1.4 In the event ICU assets are returned for remanufacture that contain different anomalies or malfunctions, serviceable parts from one failed asset may be removed and installed on a second failed asset, thereby restoring it to an operational condition, assuming the component is not listed in appendix "B" requiring new components.

2.2.1.5 All remanufacture will be based on production level operating characteristics and will include repair efforts intended to return the asset to a "like new" condition and appearance to the maximum extent possible. The restoration of service life shall include performance of preventative maintenance, which shall provide for removal of all foreign matter, corrosion, deep scars, scratches, with touch-up paint applied as needed to any surfaces (IAW product specifications). All parts replaced during the remanufacture effort shall be done IAW the applicable DMWR. This process shall include the restoration of all exterior functional identification markings to a legible condition, using a permanent marking technique.

2.2.1.6 The Contractor is authorized to maintain bench stock to support the remanufacture and upgrade effort. Material declared excess during the performance and completion of the contract will be disposed IAW the Contractor's plant clearance procedures.

### **3.0 Task B : Upgrade/Firm Fixed Price**

3.1 All efforts described in Paragraph 3.0 and sub-paragraphs will be accomplished as part of the "Upgrade" effort. The integrity of all exterior metal surfaces, as stated in the ICU specification by CARC painting per drawing 12344343 Rev B. shall be assured. Touch-up shall be IAW MIL-C-53072A with MIL-P-23377F (primer) and MIL-C-22750E(1) (epoxy coating kit, or its components in bulk).

3.2 The 12271804 chassis will be modified to the latest configuration by adding the machined notch into the mounting flange.

3.3 Mandatory replacement parts for the upgrade portion of this effort are shown in **Exhibit B**.

3.4 A new identification plate shall be applied to each ICU. The plates are to reflect a new manufactured date and not reference the date from the original plate when the ICU was inducted. New serial numbers shall be established beginning with the number 57000 and a "-U" shall be applied after the serial number.

3.5 Unrepairable, unusable parts and components are the property of the Government and shall be disposed of as directed by the Contracting Officer. Shipping charges on removed assets shall be under Government Bill of Lading.

### **4.0 PACKAGING AND MARKING**

4.1 Preservation/packaging/packing shall conform to commercial level per the requirements of ASTM-D3951-95. If any ICUs are received in a polystyrene container, the ICUs shall be returned in the polystyrene containers provided the containers are not damaged. Lens tissues shall be applied to optical surfaces.

### **5.0 QUALITY**

5.1 The remanufacture and upgrade effort shall be performed at a level no lower than ISO 9002 or equivalent.

5.2 **Environmental Stress Screening:** Every ICU will be subjected to two axes 1.7 G rms random vibrations per the call outs found in Table 1. Use the X axis and Y axis.

Table 1

Frequency (Hz)		Input Level (G <sup>2</sup> /Hz)
From	To	
20	80	0.0024
80	350	0.0096

OVERALL INPUT 1.7 G rms  
Axes: X=Tranverse, Y=Longitudinal, Z=Vertical  
Simultaneous Vibration in both axes. 10 minutes for each vibration.

5.3 Final Acceptance Testing will be accomplished with the requirements set forth in SC12271800 H.

## 6.0 Control Test

6.1 Control Testing will consist of two (2) units being subjected to the tests outlined in paragraph 4.2.3.3.2 of SC12271800 H

## 7.0 Task C: Support Equipment

7.1 Government-owned tools and test equipment required to provide support are authorized for use on a rent-free, noninterference basis. The Contractor shall provide the Contracting Officer with a list of all Government-owned tools and test equipment (i.e., nomenclature and accountable contract) with their solicitation.

7.1.1 The Contractor shall provide for the movement, qualification, maintenance and repair of any Government-owned support equipment currently not in place for used in conjunction with this contract.

7.1.2 The cost of administration, equipment update, equipment calibration and other management activities necessary to perform the remanufacture and upgrade effort will be charged against the appropriate CLIN for contract administration and will not be included in the economical repair determination.

## 8.0 Schedule

8.1 The Contractor shall meet the contract delivery schedule in Section B.

## 9.0 Warranty: Failure Free Through the U.S. Army Lima Army Tank Plant.

9.1 The Contractor is responsible under this contract for the correction of failures due to supplier workmanship and materials that occur during ICU integration/operation at Anniston Army Depot, and the U.S. Army Lima Tank Plant prior to the tank's final acceptance.

9.2 Any assets that fail due to supplier workmanship and materials will be returned to the Contractor's facility for rework at no additional cost to the Government.

9.3 The Contractor shall be liable for all transportation costs associated with return, receipt, rework, and re-shipment of repaired assets back to the Government facility involved, when needed repair was attributed to supplier workmanship and materials.

9.4 The Contractor is authorized to maintain bench stock at the repair facility to support the warranty effort. The stock will be based on previous warranty experience, obsolescence and range and depth of U.S.

Army supply support. Material declared excess during the performance and completion of the contract will be disposed of IAW the Contractor's plant clearance procedures.

9.5 The contractor's warranty liability excludes prime contractor induced damage, or damage resulting from abuse, shipment, or improper handling.

**10.0 Minor Waiver and Deviations**

10.1 Contractor authority for minor waivers and deviations and for corrective action and disposition of non-conforming material by a Material Review Board (MRB) is granted for the subject program. The Contractor is authorized to invoke previously approved Standard Repair Procedures (SRP).

**11.0 Progress/Asset Status Reports (CDRL A001, DI-MGMT-80368)**

11.1 The Contractor shall report GFE status and remanufacture/upgrade progress in contractor format to include the following information:

- a. Item Name
- b. Item Part Number/NSN
- c. Number of GFE assets received from the Government
  - Receiver document number
  - Serial numbers received and date of receipt
  - Location received from
- d. Number of remanufactured assets shipped to Anniston Army Depot
  - Shipping document number
  - Date shipped and serial number of units shipped
- e. Serial numbers of assets on-hand for repair/refurbishment and upgrade.

EXHIBIT "B"		
Mandatory Replacement Parts		
Part Number	Description	Quantity
12271823	Cover Access	1
12271898	ID Plate	1
12272176	Valve	1
12272294	Gasket, Access Cover	2
12272445 **	Cell Assy, Optical Element	1
AN960C416L	Washer	1
M83413/8-A08CC	Lead Electrical	1
MS122121	Insert, Screw Thread	1
MS16995-40	Screw	6
MS3212-27	Screw	4
MS3212-30	Screw	5
MS35338-138	Washer	6
MS35338-74	Washer	2
MS51957-78	Screw	1
MS9068-136	O-Ring	1
MS9068-145	O-Ring	1
MS91528-3F4B	Knob	1
NAS620C10	Washer	6
12271804-GFP-R	Chassis (GFP Reworked)	1
12271805	Washer, Key	2
12271807	Retainer, Front	1
12271808	Retainer, Rear	1
12271813	Cathode Ray Tube	1
12271820	Panel, Front Control	1
12271835	Isolator	1
12272177-1	Dial	2
12272341	Mount, ABMM-A	2
AN960C816L	Washer	3
CEC-24 NAS-813-24 BI	Cap Plug	2
LC35GN2	Lens	1
LC35N2	Lens	1
LH89/1	Housing	2
M5423/16-01	Boot	2
MS20813-1	Cap	1
MS25083-2CCB	Jumper	1
MS25237-387	Lamp	2
MS3367-4-9	Strap	15
MS35338-135	Washer	4
MS35338-136	Washer	4
MS51377-2	Valve Core	1
MS51607-1	Valve Stem	1
MS51957-43	Screw	4
MS91528-2E2B	Knob	4
NAS1635-06-04	Screw	1
NAS1635-08-7	Screw	25
NAS620C6	Washer	1
NAS620C8L	Washer	28
SF-24	Cap Plug	1

\*\* The cell assembly will only be replaced if found non-functional

DATA ITEM DESCRIPTION		Form Approved OMB No. 0704-0188	
2. TITLE STATUS REPORT		1. IDENTIFICATION NUMBER DI-NGWT- 80368	
3. DESCRIPTION/PURPOSE 3.1 The Status Report documents the status of contractor effort towards achieving contract objectives. It identifies accomplishments to date and difficulties encountered, and compares the status achieved to planned goals and the resources expended. It is used by the Government to monitor and evaluate contractor performance.			
4. APPROVAL DATE (FY/MONTH) 870608	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) G/T213	6a. DTIC APPLICABLE	6b. GDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract. 7.2 It is not intended that all the requirements herein should be applied to every program. Portions of this DID are subject to tailoring by deletion depending on the specific status reporting requirements of the project. (Continued on Page 2)			
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER G4130
10. PREPARATION INSTRUCTIONS 10.1 <u>Format</u> . The Status Report may be in contractor format. 10.1.1 <u>Identification</u> . The data indicated below shall be contained on a title page or on the first page of the report. a. Title/identification of the system/component/program/project. b. Type of report (e.g., monthly, interim, final). c. Period covered by the report. d. Contract number. e. Preparing activity or contractor's title. f. Security classification, when required. g. Distribution Statement 10.1.2 <u>Page size</u> . The report shall be on 8 1/2 by 11 inch (metric A4) paper. 10.2 <u>Content</u> . The report shall contain the following: 10.2.1 <u>Summary</u> . The summary shall include a brief statement of the overall project status, covering the accomplished technical activities and development, objectives of efforts, summary results of efforts, identification of major problems/deficiencies with impact, and recommended solutions. 10.2.2 <u>Body of report</u> . The Status Report shall contain the following items, where applicable: (Continued on Page 2)			
11. DISTRIBUTION STATEMENT <u>DISTRIBUTION STATEMENT A</u> : Approved for public release; distribution is unlimited.			

DI-MGMT-80368

## Block 7, Application/Interrelationship (Continued)

7.3 This DID is related to DI-FNCL-80331, Funds and Man-Hour Expenditure Report which can be used in conjunction with this report if Block 10 paragraph 10.2.2.3 below is deleted.

7.4 This data item description supersedes DI-A-5004A, DI-A-5008A, DI-A-5028, and DI-E-5039B.

## Block 10, Preparation Instructions (Continued)

10.2.2.1 Milestone/task status. The status of each milestone/task as defined by the statement of work or contract, as applicable:

a. A statement as to whether or not the program/project/task is on schedule; if not, the effort planned to meet the schedule shall be indicated. ~~Include an overall status of each milestone, task, or unit of work. Include updated schedule sheets, milestone charts, or task synopsis sheets identifying phase of task and percentage of completion of each task, technical instruction, or order.~~

b. ~~A comparison of achieved end-product performance capabilities projected against contract baseline values, requirements, or allocations.~~

~~c. Effort expended on each task to date, and a brief description of technical developments and accomplishments.~~

~~d. Key dates in any testing program and a description of tests performed and significant test results. If applicable, a description of the amount and type of down time on the equipment or system under test.~~

~~e. A list of all designs completed and a brief description of each item. For designs in process, provide estimated dates for design and drawing completion.~~

f. A narrative of outstanding problems existing as of the previous status report, and their resolution status.

g. New problem areas encountered or anticipated, their effect on the overall work effort/project, and steps being taken to remedy problem situations.

h. Significant results of conferences, trips, or directives from the Contracting officer's representatives.

i. Any other information which may cause significant changes in the program schedule.

~~10.2.2.2 Future plans. Summary of future plans, recommendations and proposals both for the next reporting period and for any long term plans.~~

~~10.2.2.3 Itemized man-hours and costs. Itemized man-hour and cost expenditure incurred for the reporting period by category and task, total contractual expenditures, and funds remaining as of the reporting date.~~

DI-WGT-80368

**Block 10. Preparation Instructions (Continued)**

10.2.2.4 Contract deliveries status. The status of each deliverable end item, including data deliveries, as required by the contract. Provide item and contract identification, shipping/transmittal data, acceptance status, security classification, and scheduled due date information.

10.2.2.5 Report preparer. Name of person(s) preparing report and telephone number(s).

10.2.3 Appendices. Appendices, where applicable, for tables, references, charts, or other descriptive material. Each appendix shall be identified and referenced in the appropriate area of the report.