

DEPARTMENT OF THE AIR FORCE
Ogden Air Logistics Center (OO-ALC) AFMC
Hill AFB, UT 84056-5609

PERFORMANCE WORK STATEMENT (PWS)

ESSENTIAL REPAIR FOR:

Multiplier Assembly

NSN: 1270-01-343-8506, PN: 583R936H05

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1.0	SCOPE.....	5
1.1	Work Compliance.	5
1.2	Maintenance.	5
1.3	Special Testing.....	5
1.4	Function.	5
1.5	Rework Testing.	5
1.6	Modification and Reliability.....	5
1.7	Survivability.	5
1.8	Non-Essential Service.....	5
1.9	Clarification Statement.....	6
2.0	DEFINITIONS AND ACRONYMS.....	7
3.0	Reporting and data Requirements.	9
3.1	Commercial Asset Visibility Air Force (CAV AF) End Item Report.	9
3.2	Contract Depot Maintenance (CDM) Production Report.	9
3.3	Annual Government Property Physical Inventory Report.....	9
3.4	Maintenance Data Collection Reporting.	9
3.5	Counterfeit Protection Plan (CPP).	10
4.0	SECURITY AND FOREIGN DISCLOSURE.....	11
4.1	DD Form 254.	11
4.2	Destructive Notice.	11
4.3	Per Export Control Limitations.....	11
4.4	Uses and Safeguarding of Information.....	11
5.0	Government Property.....	12
5.1	Government Furnished Property.....	12
5.2	Government Furnished Equipment.....	12
5.3	Government Furnished Material.....	12
6.0	Counterfeit Prevention Plan (CPP) Requirement.	13
6.1	Applicability.	13
6.2	Definitions.....	13
6.3	Parts Availability and Use of Parts Brokers.....	13
6.4	Procurement Policies.	13
6.5	Risk Assessment.	13
6.6	Detection and Avoidance Responsibilities.....	14
6.7	Testing and Verification.	14
6.8	Configuration Identification and Traceability.	14
6.9	Counterfeit Notification and Reporting.	14
6.10	Counterfeit Prevention Training.	15

7.0	SCRM RISK MANAGEMERNT.....	16
7.1	Continuity of Operations	16
7.2	Cyber Security	16
7.3	Foreign Influence	17
8.0	ITEM UNIQUE IDENTIFICATION (UID) MARKING (IAW AFMCI 20-104 Para. 3.12)... 19	
9.0	GENERAL WORK REQUIREMENTS.....	20
9.1	Mission Capability (MICAPs).....	20
9.2	Configuration.	20
9.3	Technical Data.....	20
9.4	Cleaning, Corrosion Control and Treatment.	20
9.5	Electrostatic Discharge (ESD).....	20
9.6	Quality.....	20
9.7	Receiving Inspection.	20
9.8	Handling.....	20
9.9	Shipping.	20
9.10	Non-Destructive Inspection (NDI).	21
9.11	Warranty of Work.	21
9.12	Condemnation and Disposition.	21
9.13	Product Quality Discrepancy Report (PQDR).	21
9.14	Environmental Stress Screening (ESS) Requirements.....	21
9.15	Beyond Economical Repair (BER).	21
9.16	Diminishing Manufacturing Sources and Material Shortages (DMSMS) Program/Electronic Parts Screening.	22
9.17	Option for Non-Support.	22
9.18	Safety and Health.	22
10.0	SPECIFIC WORK REQUIREMENTS.....	23
10.1	Inspection.....	23
10.2	Disassembly.....	23
10.3	Repair.....	23
10.4	Spares and Repair Parts.	23
10.5	Update.	23
10.6	Correction of Deficiency (COD) and Engineering Change Proposals (ECP).	24
10.7	Finishing.....	24
10.8	Marking.....	24
10.9	Can Not Duplicate (CND)/ Retest Okay (RTOK) Conditions.	24
10.10	Acceptance Testing.....	24
11.0	SERVICE SUMMARY.	25

11.1 WAWF/Material Inspection and Receiving Reports25

11.2 Defense Repair Information Logistics System (DRILS)25

11.3 Product Quality Discrepancy Report (PQDR)25

11.4 CAV AF.....25

12.0 TECHNICAL ORDERS AND DIRECTIVES. 27

12.1 Applicable Government Documents.27

12.2 Applicable Non-Government Documents.27

1.0 SCOPE.

This Performance Work Statement (PWS) establishes the minimum work requirements for essential repair of the following F-16 A/B recoverable end item; Multiplier Assembly, National Stock Numbers (NSN) and Part Numbers are listed in Section 5, to a serviceable “A” condition. The repair processes used by the Contractor shall bring service life back to the reconditioned end items that would resemble the originally manufactured item. The end items shall be restored to a nearly new condition, but not necessarily cosmetically new in a facility owned and/or operated by the Contractor.

1.1 Work Compliance.

All work performed by the Contractor shall comply, In-Accordance-With (IAW), with the Instructions and Technical Data requirements contained in this PWS and Section 11. Additional work discovered after award of contract that is not covered by the contract will be negotiated and approved by the Contracting Officer (CO) through the Administrative Contracting Officer (ACO) prior to work being started.

1.2 Maintenance.

It is the intent of the Government under this contract that the Contractor will induct funded end item(s) (for the purpose of this contract, end item is defined as the NSN listed under each Contract Line Item Number (CLIN), and repair that end item and subcomponents. Items are to be repaired to a serviceable operating condition. Increases or decreases in work, which impact the maintenance facility or the Government, will be sent through the ACO/CO for negotiation and approval, prior to beginning work.

1.3 Special Testing.

The Contractor shall not design, develop or manufacture tooling or test equipment of a specialized nature as a requirement under this work specification without the express direction of the CO through the ACO.

1.4 Function.

The functional capabilities for which the end item was designed shall not be changed, modified, or altered unless such changes are directed by this work specification and authorized by the OO-ALC Program Manager.

1.5 Rework Testing.

If an item is returned for rework, as a result of a Product Quality Discrepancy Report (PQDR) more than one time in any 12 month period, then a limited Environmental Stress Screening (ESS) will be required before returning the item in serviceable condition. The Contractor will coordinate actions with the Government engineering authority should this occur. Any tests that will be excluded as part of this effort will have prior written approval from the engineering authority through the appropriate Government Contracting Official.

1.6 Modification and Reliability.

The Contractor shall expend no effort under this PWS for additional engineering design or development of the items or components; however, suggested reliability or maintainability improvements are welcomed.

1.7 Survivability.

The Contractor will return the recoverable end items to the original specifications of the item, except as noted in the applicable engineering change orders. The Contractor shall perform an acceptance test and checkout of each completed end item to assure serviceability prior to presentation to the Government.

1.8 Non-Essential Service.

This effort is considered a Non-Mission Essential Service. According to Department of Defense Instruction (DODI) 1100.22, it is determined that the Contractor will not be required to provide services during crisis

unless otherwise directed by an authorized Government representative. The Contractor will contact the CO for instructions concerning services if a crisis situation occurs.

1.9 Clarification Statement.

NSN Stock classes change frequently. The item itself does not change. When the stock class changes but the NIIN does not change, treat the CLIN as the same item.

2.0 DEFINITIONS AND ACRONYMS.

ACRONYM OR PHRASE	DEFINITION
AT	Acceptance Test: The functional and operational tests performed on the end- item to ensure that all performance standards are satisfactorily met to restore the end-item to a serviceable condition.
ACO	Administrative Contracting Officer
BER	Beyond Economical Repair
CALIBRATION	A comparison between two instruments, one of which is a standard of higher accuracy, to detect and correlate or adjust any variation in the accuracy of the instrument or equipment item being compared or tested.
CAV AF	Commercial Asset Visibility Air Force. This is the end item production reporting system for Contractor repairs and GFM transactions.
CCA	Circuit Card Assembly
CDRL	Contract Data Requirements List
CND	Can Not Duplicate
CO	Contracting Officer
CONDEMN	A normally repaired item which, due to the extent of required work process, has been deemed uneconomical to make serviceable.
COMPONENT	A normally repaired item which, due to the extent of required work process, has been deemed uneconomical to make serviceable.
DD FORM 1348-1A	Department of Defense (DoD) form required to be created and attached on all Government Property being shipped from the Contractor's facility IAW DLM 4000.25-1 (ref most current amendment or replacement).
DISASSEMBLE	To remove the components that make up the end-item in accordance with disassembly instructions IAW OEM Technical Data.
DoD	Department of Defense
DRILS	Defense Repair Information Logistics System
ESS	Environmental Stress Screening
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GFM	Government Furnished Material
IAW	In Accordance With
IUID	Item Unique Identification – The program was an initiative incorporated by the Government to improve the tracking of assets during transit, operation, storage, and repair. This program was implemented to provide an easier means for the Contractor and DoD to track unique assets through electronically scanning the asset tag which identifies the item.
MICAP	Mission Capability
NSN	National Stock Number
OEM	Original Equipment Manufacturer- SCI
PQDR	Product Quality Discrepancy Report
PMS	Production Management Specialist: That individual who develops and prepares the Contract Maintenance Purchase Request (PR) package, and is the program manager for the duration of the contract. PMS, as used in this document, refers to the production manager, office, and phone indicated on the title page of the Appendix A.
QAR	Quality Assurance Representative
RECOVERABLE	An unserviceable item that can have maintenance performed to restore it to a serviceable condition.
RTOK	Retest Okay

PWS for the Essential Repair of Multiplier Assembly

ACRONYM OR PHRASE	DEFINITION
SERVICEABLE	Capable of meeting the requirements and performing the function for which it was designed or modified and meets all test requirements established by this work specification and the Technical Data cited in the PWS.
SOW	Statement of Work
SRU	Shop Replaceable Unit
UPDATE	To bring an end-item up to the latest acceptable Government approved configuration without changing its original form, fit or functional capability.
USAF	United States Air Force

3.0 REPORTING AND DATA REQUIREMENTS.

Reporting and data requirements shall be provided in the Contract Data Requirements List (CDRL), DD Form 1423-1. The Contractor shall prepare and submit the following records, forms, or reports in support of this work effort.

3.1 Commercial Asset Visibility Air Force (CAV AF) End Item Report.

Refer to the CAV AF Statement of Work for technical requirements/considerations, responsibilities, and reporting requirements of the CAV AF system. IAW CDRL A001.

- a. DD Form 1348-1A, Single Line Item Release/Receipt Document. The Contractor shall use DD Form 1348-1A as the shipping document for shipment transactions of all end items. The DD Form 1348-1A will be initiated and printed in the CAV AF system. If CAV AF is down, then a manual DD 1348-1A may be utilized, updating CAV one business day. It is imperative that the contractor in completing the DD Form 1348-1A perpetuate some information from the incoming shipping document DD Form 1348-1A for each item received and for all outgoing shipments. Additionally, the contractor shall annotate the DD Form 1348-1A to include the contract number. This is IAW DLM 4000.25-1, directives listed in the contract, or can be as directed by the ACO, PCO, DCMA, PMS or CAV AF POC.
- b. Contractor is required to comply with all CAVAF requirements identified in the CDRLs and attachments to the contract. Additionally, upon completion of the repair, the contractor is required to print the DD1348-1 (in triplicate) from CAVAF. One copy is to be placed inside the box with the returnable repair asset, one outside the box and one copy will be electronically uploaded to WAWF as part of the receiving Report (DD250).
- c. The purpose of CAV AF is to maintain asset visibility and accountability throughout the repair process, update asset condition and balance to Air Force Supply Systems, reports financial and inventory balances, and feeds production and unit repair costs to the maintenance and budgeting systems.

3.2 Contract Depot Maintenance (CDM) Production Report.

The Contractor shall report monthly by contract delivery order on all applicable categories, totals and on-hand balances, providing all listed DID requirements for each repair location, including Sub-Contractor facilities, if applicable, for the contracts maintenance occurrence actions during the reporting period IAW CDRL A002.

3.3 Annual Government Property Physical Inventory Report.

The Contractor shall provide an Annual Government Property Physical Inventory Report IAW CDRL A003.

- a. The Contractor shall conduct an annual 100% physical inventory over the course of a year's time of each NIIN as not to impede maintenance operations. Upon completion of all NIIN's 100% physical inventory, the Contractor shall provide the AF Government inventory listing of the result of all AF GFP in the Contractor's possession.

3.4 Maintenance Data Collection Reporting.

Serial Number tracking by the Contractor is REQUIRED for all received end items. The Contractor shall document all maintenance actions involving maintenance with the disassembly, cleaning, inspection, maintenance and replacement of repaired end items. The Contractor shall load maintenance data to the Defense Repair Information Logistics IAW CDRL A004.

3.5 Counterfeit Protection Plan (CPP).

The Contractor shall adhere to a counterfeit mitigation program. The Contractor shall submit the Counterfeit Protection Plan to the Government IAW CDRL B001. Specific guidance for Counterfeit Mitigation Plan is detailed in Section 6.

4.0 SECURITY AND FOREIGN DISCLOSURE.

The Contractor shall ensure requirements for safeguarding classified information, materials, for obtaining and verifying personnel security clearances, for protecting Government Property and data are fulfilled.

4.1 DD Form 254.

DD Form 254 not required.

4.2 Destructive Notice.

For classified documents, follow the procedures in DOD 5220.22-M, National Industrial Security Program (NISPOM), Section 11 and DoD5200.1-R, Information Security Program Regulation. For unclassified, limited documents, destroy by any method that shall prevent disclosure of contents or reconstruction of the document.

4.3 Per Export Control Limitations.

Foreign Disclosure Restrictions IAW AFMCMAN 21-149 and AFMCI 20-102 do apply.

4.4 Uses and Safeguarding of Information.

Information from the secure website is considered to be proprietary in nature when the contract number and Contractor identity are associated with the direct labor hours and direct labor dollars. At no time will any data be released to the public with the Contractor name and contract number associated with the data.

5.0 GOVERNMENT PROPERTY.

All property owned or leased by the Government. Government Property includes Government Furnished Property (GFP), Government Furnished Material (GFM), and Government Furnished Equipment (GFE). FAR Part 45.

5.1 Government Furnished Property.

GFP is property in the possession of, or directly acquired by, the Government and subsequently furnished to the Contractor for performance of a contract. The GFP furnished to the Contractor is listed below.

Noun	NSN	Part Number
Multiplier Assembly	1270-01-343-8506WF	583R936H05
	1270-01-222-3541WF	583R936H03
	1270-01-096-7120WF	583R936H04

- a. Contractor shall notify the CO, within one (1) workday of any damages when the dollar value exceeds \$10,000.00 and within two (2) workdays for any damages less than \$10,000.00 during the execution of the contract.
- b. When the Government owned asset is in the possession of the Contractor, the asset shall be accounted for, tracked and stored in a secure area where they are protected and handled in such a manner against all damages, weather, and foreign matter. Further, the Contractor shall secure the asset to prevent any damages, pilferages, or loss while in the Contractor's possession IAW DoD 5200.1-R.
- c. Refer to Section 3 of this PWS and CDRL A003 for reporting requirements.

5.2 Government Furnished Equipment.

An all-inclusive term to define all types of equipment. It includes facilities, plant equipment, agency peculiar property, special tooling, and special test equipment. For the purpose of annually reporting dollar values on Department of Defense (DOD) property in the custody of Contractors (DD Form 1662, DOD Property in the Custody of Contractors), items must be categorized according to the specific FAR property definitions. GFE, if authorized on this contract, will be stated and identified in an attachment to this appendix or as another uniquely identified section as part of this contract. The Contractor will comply with the GFE related clauses in the basic contract.

- a. GFE will not be furnished by the Government.

5.3 Government Furnished Material.

Government Property supplied to the Contractor, for incorporation into an end item to be delivered under the contract or which may be consumed in the performance of the contract. It includes, but is not limited to, raw and processed material, parts, components, and assemblies. GFM is also referred to as materials and direct materials under the terms of the contract.

- a. GFM will not be furnished by the Government.

6.0 COUNTERFEIT PREVENTION PLAN (CPP) REQUIREMENT.

Contractors that supply electronic parts or systems that contain electronic parts shall establish policies and procedures to avoid, detect, mitigate and disposition counterfeit electronic parts to prevent such parts from entering the USAF/DoD supply chain. These policies and procedures shall be documented in a CPP for submission and approval in accordance with Data Item Description (DID) DI-MISC-81832 (B001) and accomplished for all specified contract items. DI-MISC-81832 is applicable to Parts, Material and Processes Selection (PMPS) associated with delivery of systems and assemblies to the USAF and DOD. The requirements established by DI-MISC-81832 also apply to electronics components procured in sustainment of such systems and assemblies. The requirements of the recently DoD-adopted SAE 5553, Aerospace Standard, Counterfeit Electronics Parts; Avoidance, Detection, Mitigation, and Disposition shall also apply. (B001). At a minimum, the CPP shall address:

6.1 Applicability.

The Contractor shall identify all Business locations and programs to which the CPP applies. The CPP shall address materials, hardware, electronic parts, and procured assemblies.

6.2 Definitions.

The Contractor shall identify all Business locations and programs to which the CPP applies. The CPP shall address materials, hardware, electronic parts, and procured assemblies.

6.3 Parts Availability and Use of Parts Brokers.

The Contractor shall not procure materials, systems, assemblies, subassemblies or parts from parts Brokers when available from Original Manufacturers (OM) or their Authorized Distributors. In cases where materials, systems, assemblies, subassemblies or parts are no longer available from the OM or their Authorized Distributors, procurement from Brokers may be authorized as defined by the Contractor's policy and their CPP. (Ref. AS5553, paragraph 4.1.1, 4.1.2.e., appendix A).

6.4 Procurement Policies.

The Contractor shall provide and implement policy directing development and implementation of business practices and procedures, and processes to prevent procurement of Counterfeit materials and parts. The Contractor shall identify the appropriate office(s), business units, functional organizations, and programs, who shall have responsibility for development, maintenance and implementation of the CPP. The CPP shall identify the specific roles and responsibility for each. (Ref. AS5553, paragraph 4.1.2, 4.1.3, appendix B, C, D).

6.5 Risk Assessment.

The contract shall address the risk of using unknown sources and or unauthorized suppliers in the CPP. Application or technical risk assessments shall establish the effect that counterfeit parts may have on performance. Vendor or source of supply risk assessments shall establish the potential for obtaining counterfeit parts. Using any risk analysis tool acceptable to the Government, the Contractor shall conduct a risk assessment based upon item characteristics and how likely it is that a counterfeit part will be received. The Contractor shall identify and describe in the CPP how parts are selected for assessment and what risk is acceptable based upon the parts design, construction, material and functional requirements. As a minimum, analysis shall be completed for flagging high risk items, such as items that are obsolete, discontinued, rare, etc. The Contractor shall require completion of a trade study, documented within the CPP, which shall facilitate determining whether 100% testing of parts procured from after-market sources is more cost effective than qualification or requalification of a manufacturer. (Ref. AS5553, paragraph 4.1.2, 4.1.3, appendix B, C, D).

6.6 Detection and Avoidance Responsibilities.

The Contractor shall establish processes for the review and approval of Contractor and applicable Sub-Contractor systems for the detection and avoidance of counterfeit electronic parts and suspect counterfeit electronic parts, which processes shall be comparable to the processes established for Contractor business systems under section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 124 Stat. 4311; 10 U.S.C. 2302 note). The Contractor shall flow down such requirements and processes to their Sub-Contractors per ODASD Memo titled “Overarching DOD Counterfeit Prevention Guidance”, dated 16 March 2012. (Ref. AS5553, paragraph 4.1.4, 4.1.5, appendix E).

6.7 Testing and Verification.

The Contractor shall establish and accomplish testing and verification processes for items not received from an original equipment manufacturer, original component manufacturer, or authorized distributor that are identified as having high risk for counterfeit potential. These processes apply to prime contracts, and to subcontracts or suppliers below the prime contracts. The Contractor shall provide a list of acceptable test facilities if the Sub-Contractor or supplier does not have the capability to perform required testing. Submittal of Certificates of Compliance indicating the parts are not counterfeit shall be acceptable for verification of testing. (Ref. AS5553, paragraph 4.1.4, appendix E).

6.8 Configuration Identification and Traceability.

The Contractor shall identify and control the configurations of all systems, assemblies, subassemblies and parts, and enable mechanisms to provide traceability of parts. The Contractor shall report to the Government when control of the configurations of all systems, assemblies, subassemblies and parts, and mechanisms to provide traceability of parts are not possible. The Contractor shall identify the specific systems, assemblies, subassemblies and parts beyond the Contractors’ control. The Contractor shall be responsible for detecting and avoiding the use or inclusion of counterfeit materials and parts, to include procured assemblies and subassemblies, in such products and shall be responsible for the rework or corrective action that may be required to resolve the use or inclusion of counterfeit materials and parts. The cost of counterfeit electronic parts and suspect counterfeit electronic parts and the cost of rework or corrective action that may be required to remedy the use or inclusion of such parts are not allowable costs under Department contracts, unless:

- a. The Contractor has established a counterfeit avoidance/detection system approved by the DOD.
- b. The counterfeit parts were procured from a DoD-accredited trusted supplier or provided as Government Property.
- c. The Contractor has provide timely notification to the Government. (Ref. AS5553, paragraph 4.1.6, appendix F).

6.9 Counterfeit Notification and Reporting.

The Contractor shall report in writing to the Procuring Activity within 30 days of determining any end item, component, part, or material contained in supplies purchased by the Department of Defense, or purchased by a Contractor or Sub-Contractor for delivery to, or on behalf of, the Department, contains counterfeit electronic parts or suspect counterfeit electronic parts for the purpose of investigation and notification of the Air Force Office of Special Investigations (AFOSI). The Procuring Contracting Officer (PCO) shall coordinate reporting to the appropriate Program Management/Item Management, System Engineering Management, the AFMC Discrepant Materiel Reporting Program (DMRP) Office in 406 SCMS/GULAB, and the AFOSI. Additionally, the Contractor shall within the same 30 day period ensure all suspected or confirmed counterfeit items are entered into the Government-Industry Data Exchange Program (GIDEP) system, which will serve as the DOD central reporting repository. (Ref. AS5553, paragraph 4.1.7, appendix G).

6.10 Counterfeit Prevention Training.

The Contractor shall provide appropriate training and shall require all personnel working procurement with-in their company, to include at a minimum their supply chain management specialists, receiving inspectors, and engineers, to complete said training. The Contractor shall determine the appropriate training required. Training may be developed in-house or may be other Industry accepted training. The CPP shall describe and list the training provided by the Contractor to their personnel.

7.0 SCRM RISK MANAGEMERNT.

7.1 Continuity of Operations

Contractor shall provide a COOP plan in the event an emergency shutdown takes place due to natural and/or manmade causes. A well-developed plan will ensure continued operations with minimal impacts during the time of unplanned interruptions with personnel, equipment, facility, networks, information, Information Technology (IT) Systems, and infrastructure critical to the execution of the Company daily productivity. To be acceptable, the contractor's COOP shall provide the following:

- a. Sufficient overview of what information is included in the COOP; definition of COOP; overview/background of what plan encompasses; general statement of internal/external impact of emergency/disaster on company, overview of efforts to be taken to minimize effects on day-to-day operations; supporting documents reference; identification of how plan is communicated within the company.
- b. Definitions of responsibilities of management; outline basic strategies/emergency management responsibilities of company and its subsidiaries; delegation of decision-making authority and limitations.
- c. Clear description of a continuity environment within the company; identifies and analyzes potential scenarios from the risk assessment
- d. Outline of the expectations used for the planning process based on planning, research, and real-life events; what the agency can expect to experience when entering the continuity environment, expected impact and operational challenges; identifies operational adjustments; identifies the need to delegate functions; identifies unique needs of the company and anticipated effects on customers.
- e. Identification of the logic/process in assessing workload/services in order of priority, uses a recognized methodology to assess, rank, and steps taken to prevent/mitigate internal/external risks.
- f. Identification of any resources that may be necessary to ensure the Company can continue to operate at its continuity site.
- g. Demonstrate safe practices are in place that are efficient, effective, and ethical in implementing potential impact of the loss of essential, critical functions on the organization.
- h. Identification of the ability to facilitate workload/services internally, moving to other worksites, subsidiaries, and or leverage established partnership relationships to promote continuity of daily operations without incurring any additional cost. Any changes to contractual agreement must be pursued through the applicable contracting officers.
- i. Identification of the use of redundancy/backup/secondary networks, IT structure.
- j. Outline of potential training policy and its implementation if required due to redistribution of workload/services internally and/or externally.
- k. Logistics plan for receiving of materials without interruption for parts, workload and services and its end delivery to the customer in a timely, efficient manner.
- l. Consideration to internal and external contracts in place to satisfy customer requirements ensuring COOP processes are in place within each of those entities in case of disruption to their locations.
- m. Sound processes in place for the safeguarding of critical systems, applications, data, technology, technical data, processes, material, parts, equipment, and/or sensitive areas/facility during the disruption at facility.
- n. Sound communication channels in place to communicate with customers and provide regular, timely updates of disruption impacts and progress.

7.2 Cyber Security

Contractor shall provide System Security Plan (SSP) or equivalent that adequately describes network/system framework, system boundaries, system environments of operation, relationships with or connections to other systems, software patches & updates practices, security requirements in place to

protect system(s) from compromise and how they are implemented, incident mitigation & reporting, a sound audit process, and communication plan in accordance with DFARS 252-204-7008, 252.204-7012, 252.239-7018 and/or FAR Clause 52.204-21, and security requirements from NIST SP 80-171 and NIST 800-53. The SSP shall:

- a. Clearly demonstrate utilization of best practices in their network/system framework, operations, security/protections measures, systems isolation (connections to shared networks, systems), Incident mitigation, & reporting, auditing tools, and customer communications plans in accordance with DoD guidelines and regulations;
- b. Safeguard Critical Defense Information (CDI) and to report to the DoD the possible exfiltration, manipulation, or other loss or compromise of unclassified CDI: or other activities that allow unauthorized access to the contractor's unclassified information system on which unclassified CDI is resident or transiting;
- c. Identify sufficient processes in place for company to provide adequate security for covered defense information that is processed, stored, or transmitted on the contractor's internal information system or network per DFARS Clause 252.204-7012;
- d. Identify systems/networks that are accessed by alternate sites, subsidiaries and partners and describes the need for access. Describes whether systems are unclassified/classified. Describes whether Domestic or Foreign owned;
- e. Demonstrate that the contractor's information system, system component, or information system service prior to selection, acceptance, or updates comply with DoD guidelines and regulations.

Contractor shall implement and conduct SCRM, to include Cyber-SCRM in compliance with DoDI 5000.90. These cybersecurity requirements are to be considered throughout all aspects of planning, maintaining, development, production, and distribution. Contractor shall conduct early and continuous monitoring to prevent or reduce impacts of cyber vulnerabilities where adversaries are able to exploit, steal, alter, manipulate, interrupt, or destroy system functionality, information, or technology. Cyber-SCRM shall include, at a minimum, internal monitoring as well as screening potential vendors and suppliers to determine if they:

- a. Provide products and components, or subcomponents, sourced through original equipment manufacturers or government authorized resellers;
- b. Have previously incurred any findings of malicious network intrusions, data breaches, loss of client data or intellectual property;
- c. Have obtained a CMMC certification level or similar indicating that they practice, at least basic cyber hygiene (e.g., access management, timely patch management, identity management, and password management);
- d. Maintains continuous situational awareness of risks and vulnerabilities with considerations to new emerging threats and technologies;
- e. Manage supply chain risks including those associated with foreign ownership, control, or influence concerns. This includes companies that currently do, or potentially will, supply (hardware, software, or firmware) components to the programs. Companies that possess technology relationships with other suppliers or vendors that are known to already be under the influence or control of threat actors.

7.3 Foreign Influence

Contractor shall ensure security measures are in place to prevent any instance of which foreign interest has the power, direct or indirect, whether or not exercised, and whether or not exercisable through the ownership of the U.S. company's securities, by contractual arrangements or other means, to direct or decide matters affecting the management or operations of that company in a manner which may result in unauthorized access to classified information or may adversely affect the performance of classified contracts.in accordance with DOD 5220.22-M. The Contractors foreign influence plan shall:

PWS for the Essential Repair of Multiplier Assembly

- a.** Identify policies, practices, processes, training and other key elements in place to ensure that foreign firms cannot undermine U.S. security and export controls.
- b.** Prevent unauthorized access to critical technology, classified information, and special classes of classified information supporting national security.
- c.** Describe the source, nature and extent of Foreign Ownership Control or Influence (FOCI), including whether foreign interests hold a majority or substantial minority position in the company, taking into consideration the immediate, intermediate, and ultimate parent companies.
- d.** Provide information for any/all existing, pending, or upcoming negotiations of mergers, consolidations, reorganizations, partnerships, acquisitions or takeovers by a foreign interest.
- e.** Describe all bilateral and multilateral security and information exchange agreements.

8.0 ITEM UNIQUE IDENTIFICATION (IUID) MARKING (IAW AFMCI 20-104 Para. 3.12).

The Contractor shall replace damaged markings, identification, and decals. IUID markings are required for all end items and subcomponents to the end item, and the Technical Data listed in Section 11.

- 8.1** Each completed end-item will be permanently and legibly marked with the Contractor's facility identification. This identification will display the name of the Contractor facility, date of maintenance and contract number. This identification can be by decalcomania, rubber stamp, or stencil. When using rubber stamp or stencil, use permanent, waterproof ink or paint of contrasting color; also, end-item identification plates shall reflect the latest configuration/update, i.e., National Stock Number, Part Number as applicable.
- 8.2** For items that do not have an IUID marking specifications the Contractor shall develop the marking specifications in accordance with the latest version of MIL-STD-130N.
- 8.3** IUID markings currently in place on items undergoing repair shall be protected from damage or removal during repair. Ensure 2-D matrix IUID markings are readable per TO 00-25-260. Should IUID marking be rendered unreadable during repair, the Contractor shall notify the CO for determination.
- 8.4** IUID markings which will be potentially destroyed during repair due to technical direction (i.e. paint removal, sand blasting, etc.) shall be recorded prior to maintenance action and replaced with the same UII as part of the repair action.
- 8.5** The Contractor shall submit the required and applicable data for legacy items to the DoD IUID Registry per the data submission procedures at:

<https://www.acq.osd.mil/asda/dpc/ce/ds/unique-id.html>

9.0 GENERAL WORK REQUIREMENTS.

The Contractor shall inspect, test, repair, update, reassemble, calibrate, and retest GFP IAW this PWS and all applicable Technical Data/Directives listed in Section 11.

9.1 Mission Capability (MICAPs).

MICAPs will be identified to the Contractor and work priorities will be set by direction of the Government to ensure “repair to demand” versus “batch repairing”. To meet this, the Contractor will be allowed to move components among reparable end items to expedite repairs. However, this practice shall be limited as to not produce BER assets as a direct result.

9.2 Configuration.

The Contractor is authorized to induct all configurations of the end items listed in Section 5 IAW the quantities in the Delivery Order.

9.3 Technical Data.

The Contractor shall comply with the latest dated T.O.s and other directives used or issued during the time the work is being accomplished.

Note: No technical related issue in this document shall be construed as taking precedence over TOs and/or manufacturer drawings, and their accompanying documents and specifications for these end items.

9.4 Cleaning, Corrosion Control and Treatment.

The Contractor shall clean the end item thoroughly prior-to and after disassembly and maintain cleanliness during this maintenance effort. Accomplish corrosion control and treatment as required, using methods and materials IAW TO 1-1-689, MIL-HDBK-454C, and MIL-STD-1568D.

9.5 Electrostatic Discharge (ESD).

Proper ESD procedures shall be in place prior to contract award. The Contractor shall implement or maintain an ESD Control Program. IAW ANSI/ESD-S20.20-2021.

9.6 Quality.

The Contractor is responsible to ensure all-inclusive management of the quality control requirements are accomplished as outlined in the contract. This includes the establishment of viable quality control program, detail inspection programs, monitoring actions and effective corrective actions.

9.7 Receiving Inspection.

An inspection for proper identity, completeness, and obvious damage shall be performed on each end item upon its receipt at the Contractor’s facility. Any deficiencies found as a result of the inspection shall be brought to the attention of the end item Program Manager through the ACO/CO.

9.8 Handling.

The Contractor shall exercise care to prevent and damages, pilferage, or loss of GFP while it is in the Contractor’s possession. The Contractor shall store all GFP in a secure area and provide protection against all adverse environment conditions. Reusable shipping containers, packaging, and crating material in which the GFP is received shall be handled with care.

9.9 Shipping.

Reusable shipping containers, packaging, and crating material in which the asset is received shall be handled with care. Reusable containers shall be stored for reuse, and configuration of the containers shall not be altered. All assets will always be returned or shipped utilizing a DD 1348-1A unless otherwise

directed by the Government. DD 1348-1A is the authorized shipping document, not a DD250, so that the item can be properly identified.

9.10 Non-Destructive Inspection (NDI).

The Contractor shall accomplish Non-Destructive Inspection (NDI) by disassembly to the extent necessary to assure a definite acceptance or rejection of the suspected item or area. (**Note:** T.O. 33B- 1-1 provides examples of inspection methods and criteria).The Contractor shall accomplish inspections during the maintenance process while the item is accessible for the following:

- a. Quality replacement parts.
- b. Correct dimensions of replacement parts.
- c. Correct type and quantity of parts and materials.

9.11 Warranty of Work.

The Contractor shall warranty their work IAW industry standards. The Contractor shall provide the terms of their warranty in their bid or proposal prior to contract award. Any rework that is done under warranty shall be at no addition cost to the Government.

9.12 Condemnation and Disposition.

Authorization shall be obtained from the ACO/CO through the end item Production Manager initially for the authorization request. Authorization will be obtained from the Equipment Specialist. The Contractor will be allowed to retain condemned units for cannibalization of spare parts.

9.13 Product Quality Discrepancy Report (PQDR).

If a GFP is received from the Contractor and at any time during the warranty period the asset becomes unserviceable the Government will initiate a PQDR and return the asset back to the Contractor. The Contractor shall repair the GFP to serviceable condition at no additional cost to the Government. In addition, if an asset is returned for rework as a result of a PQDR more than 1 time in any 12 month period then the Contractor shall also conduct an ESS at no additional to the Government before returning the GFP to serviceable condition. The Contractor shall coordinate actions with the CO and Production Manager. Any tests that will be excluded as part of this effort will have prior written approval from the Production Manager.

9.14 Environmental Stress Screening (ESS) Requirements.

The Contractor shall conduct an ESS test when the same serial number returns to repair less than 12 months from previous repair date IAW MIL-HDBK-344A. If this is within the Contractor's warranty this will be at no cost to the Government.

9.15 Beyond Economical Repair (BER).

BER is defined as end item(s) which when restored to serviceable "A" condition, in accordance with applicable requirements, the cost will exceed 75% of the Stock Listed price. If the Contractor estimates the total cost of the repair and/or overhaul of any end item received will exceed 75% of the Stock Listed price, the Contractor shall promptly notify the ACO in writing and shall not perform further services on any such items except at the direction of the ACO. Upon receipt of the written notification that a particular item is not repairable, the Contractor shall dispose of the unit in the manner directed by the ACO. The Procuring CO may authorize the Contractor, through the ACO, in writing, to exceed 75% of the Stock Listed Price when an item is in critical supply status.

9.16 Diminishing Manufacturing Sources and Material Shortages (DMSMS) Program/Electronic Parts Screening.

The Contractor shall utilize an Electronics Parts Screening process that shall identify Diminishing Manufacturing Sources (DMS) for parts for the end item design. The Contractor shall be responsible for its Sub-Contractors' parts obsolescence awareness. The Contractor shall regularly check the Government-Industry Data Exchange Program (GIDEP) database for DMSMS items during all repair phases, and shall determine if any of these items are used in, or planned to be used in the end items.

9.17 Option for Non-Support.

In the event that the Contractor no longer wants to support the Transmit Microwave (ALL NSNs included in Section 5) at the end of this contract, the Contractor shall provide the option for the Government to purchase a Production Drawing Package, Depot-Level Technical Data, Depot-Level Support Equipment Requirements Documents, and the Depot-Level Support Equipment.

9.18 Safety and Health.

While performing work under this contract the Contractor shall comply with all applicable federal, state and local regulations regarding occupational safety and health. The Contractor shall notify the Contracting Officer (CO), within eight (8) hours of any damage to Government Property where the dollar value exceeds \$500,000.00 and within two workdays, for any damage to Government Property less than \$500,000.00 during the execution of the contract. Mishap notifications shall contain, as a minimum, the following information:

- a. Contract, Contract Number, Name and Title of Person(s) reporting.
- b. Date, Time and exact location of accident/incident.
- c. Brief Narrative of accident/incident (Events leading to accident/incident).
- d. Cause of accident/incident, if known.
- e. Estimated cost of accident/incident (material and labor to repair/replace).
- f. Nomenclature of equipment and personnel involved in accident/incident.
- g. Corrective actions (taken or proposed).
- h. Other pertinent information.

If requested by the designated CO, the Contractor shall immediately secure the mishap scene/damaged property and impound pertinent maintenance and training records, until released by the Procuring Safety Office.

10.0 SPECIFIC WORK REQUIREMENTS.

The Contractor shall repair, update, inspect, reassemble, and test the reworked end-item and components and calibrate, if applicable, IAW T.O. 00-25-234 or other Government Approved Technical Data, and the Technical Data listed in Section 11 as applicable.

10.1 Inspection.

The Contractor shall accomplish a thorough inspection of each end-item, reusable or replacement component parts and materials (external and internal) for the following:

- a. End item for loose or missing parts, materials and attaching hardware.
- b. End item for dents, punctures, bent pins, cracked, wrinkled or misalign conditions that may cause chafing.
- c. Component parts, material, and attaching hardware to determine serviceability, and conformance with the Technical Data.
- d. Structural parts for dents, punctures, cracks, oversized holes, evidence of chafing, corrosion, and, deterioration.

10.2 Disassembly.

The Contractor shall disassemble each item only to the extent necessary to accomplish inspection, testing, fault isolation and maintenance IAW Technical Data listed in Section 11 as applicable and Government Approved Contractor Technical Data.

Note: Serviceable precision matched or mated component parts shall be handled in a manner to ensure their reinstallation as a matched set.

10.3 Repair.

The repairs consist of repairing or replacing components and/or sub-assemblies. The reusable disassembled item components shall be used as replacement components for restoring the Program Memory Module to serviceable condition. The sub-assemblies are not required to maintain the end item identification.

- a. Maintenance and replacement of accessory and component parts shall be IAW this PWS, the Technical Data cited in Section 11 and this PWS. In the event that a deviation from the Technical Data is required, an approval request in letter form shall be submitted to the Production Manager via e-mail to obtain approval or disapproval.

10.4 Spares and Repair Parts.

The Contractor will be allowed to retain condemned units for cannibalization of spare parts upon approval of the OO-ALC Production Manager. Upon completion of the contract, per existing disposal code assigned to the item, the Contractor shall dispose of parts retained for cannibalization.

- a. Replacement parts and materials shall also be IAW Section 11. In the event that a deviation from the Technical Data is required and the Contractor desires the use of a substitute part, an approval request in letterform shall be submitted to the ACO/CO, who will obtain the appropriate engineering office determination and respond accordingly.

10.5 Update.

The Contractor shall update the GFP as outlined in TOs and other directives listed in Section 11. This shall be accomplished concurrently with the maintenance required by this PWS and shall be to the latest approved and supportable configuration however, functional capabilities for which the item was designed shall not be changed. Performance and reliability Class 2 Revision Notices will be incorporated as

determined by the Contractor. These Revision Notices will be incorporated under contract however, the functional capabilities for which the end-item was designed shall not be changed.

10.6 Correction of Deficiency (COD) and Engineering Change Proposals (ECP).

COD updates and improvement ECPs which are negotiated and funded separately, will be accomplished in accordance with the mutually agreed to schedules. Items will not be updated to the latest approved and supportable configuration specified in the contract under the following conditions:

- a. Updates are not funded/authorized separately, e.g. spares not covered by the production COD clause.
- b. Updates will not be required if the received configuration is compatible with configurations in use at the time of receipt and those updates are not required to satisfy update schedules which are bilaterally agreed to between the Contractor and the Government.

10.7 Finishing.

The Contractor shall replace damaged internal protective finish to the extent necessary to ensure serviceability and provide adequate protection IAW Government Approved Contractor Technical Data, and the Technical Data listed in Section 11.

- a. External finishing of the end-item shall be accomplished only to the extent necessary to provide adequate protection, using high quality commercially available finish materials. Minor scratches are to be touched up or spot painted to provide necessary protection.

10.8 Marking.

Each completed end-item will be permanently and legibly marked with the Contractor's facility identification. This identification will display the name of the Contractor facility, date of maintenance and contract number. This identification can be by decalcomania, rubber stamp, or stencil. When using rubber stamp or stencil, use permanent, waterproof ink or paint of contrasting color; also, end-item identification plates shall reflect the latest configuration/update, i.e., National Stock Number, Part Number as applicable.

- a. Check that components requiring an IUID mark, IAW MIL-STD-130, have supplemental label/tags installed and that they can be verified, refer to T.O. 00-25-260. The supplemental IUID mark shall be placed adjacent to or near existing label not to cover any existing marking.
- b. The Contractor shall replace damaged markings, identification, and decals as outlined per the applicable Technical Data, Government Approved Contractor Technical Data and MIL-STD-130.

10.9 Can Not Duplicate (CND)/ Retest Okay (RTOK) Conditions.

End Items deemed to be serviceable on initial inspection and subsequently pass Acceptance Test Procedures (ATP) will not be repaired and will be considered to be end items that meet CND/RTOK conditions.

10.10 Acceptance Testing.

The Contractor shall perform an acceptance test and checkout of each completed end item to assure serviceability prior to presentation to the Government. Test and checkout shall be accomplished IAW the specifications found in Section 11.

- a. Upon satisfactory completion of final acceptance test, the Contractor shall cover and seal all port, vents and electrical connections/plugs with suitable caps to prevent entry of foreign matter or damage during handling and shipment. (NAS 847)
- b. All completed work shall be subject to acceptance inspection by Defense Contract Management Agency (DCMA).

11.0 SERVICE SUMMARY.**11.1 WAWF/Material Inspection and Receiving Reports**

Performance Objective	Performance Threshold
The Contractor will report material handling/reporting requirements accurately by using WAWF/Material Inspection and Receiving Reports	Receiving Reports in WAWF must have an accuracy rate of 98%
The Contractor will report material handling/reporting requirements completely by using the WAWF/ Material Inspection & Receiving Reports.	Receiving Reports in WAWF must have a completeness rate of 100%.
The Contractor will perform workmanship inspections on all repaired items as identified on the Material Inspection & Receiving Reports.	Random Sampling inspections must pass with a 100% workmanship rate.
The Contractor will perform workmanship inspections on all repaired items as identified on the WAWF /Material Inspection & Receiving Reports.	Process Proof Evaluations inspections must pass with a 100% workmanship rate.

11.2 Defense Repair Information Logistics System (DRILS)

Performance Objective	Performance Threshold
The Contractor will report Maintenance Data Collection information for all items worked.	Must maintain 100% or above completeness on all required documentation. Reference CDRL exhibit A004.

11.3 Product Quality Discrepancy Report (PQDR)

Performance Objective	Performance Threshold
The Contractor must perform a test evaluation of items returned due to failures reported from the field units.	Must maintain 100% accuracy in reporting all required discrepancy report documentation.
The Contractor must perform a test evaluation of items returned due to failures reported from the field units.	Must maintain 100% completeness on all required discrepancy report documentation.
The Contractor must repair each item to a serviceable, nearly new condition.	Item should not be returned for rework more than 1 time in a 12 month period. A 2nd return during a 12 month period will require ESS testing.
The Contractor will perform Environmental Stress Screening (ESS), when applicable.	When ESS testing is required, the Contractor must maintain a 100% accuracy rate to pass the ESS tests.

11.4 CAV AF

Performance Objective	Performance Threshold
The Contractor will report Supply and Maintenance transactions through the repair process from receipt to shipment.	Must maintain 100% or above completeness on all required documentation. Reference CDRL exhibit A001
The Contractor must maintain and provide accurate CAV AF reporting.	Contractor input into the CAV AF system must be 100% accurate. Errors must be corrected within 1 working days of discovery by Contractor or notification of the error. IAW CDRL A001
The Contractor must provide timely CAV AF reporting.	Contractor input into the CAV AF system must be 98% on time. IAW CDRL A001

PWS for the Essential Repair of Multiplier Assembly

The Contractor shall report by delivery order all on-hand balances and production produced during the reporting period.	CDRL A002
The Contractor shall conduct 100% physical inventory by in NIIN in EXCEL.	CDRL A003

12.0 TECHNICAL ORDERS AND DIRECTIVES.**12.1 Applicable Government Documents.**

ANSI/ESD-S20.20-2021	Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment.
AFMCMAN 21-149	Contract Depot Maintenance (CDM) Program
CAV AF Manual	Commercial Asset Visibility Air Force (Version 8.01 or higher)
DOD 4100.39-M	Federal Logistics information System (FLIS) Procedures
DOD 4160.28-M	Defense Demilitarization: Program Administration (Incorporated and cancelled DoD 4160.21-M 1 June 2011)
DODI 4140.1	Department of Defense Supply Chain Materiel Management Policy (Replacing DoD Directive 4140.1 Dec 2011)
DODI 4140.67	Department of Defense Counterfeit Prevention Policy (26 April 2013)
DLM 4000.25-1	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
DLM 4000.25-2	Military Standard transaction Reporting and Accountability Procedures (MILSTRAP)
ESD-TR20.20	Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment.
MIL-HDBK-344A	Environmental Stress Screening or Electronic Equipment
MIL-HDBK-454C	Requirements for Electronic Equipment
MIL-STD-1568D	Materials and Processes for Corrosion Prevention and Control in Aerospace Systems
MIL-I-46058C	Insulating Compound, Electrical
MIL-STD-130N	Identification Marking of U.S. Military Property
ANSI/ESD-S20.20.2021	ESD Associated Standard for the Development of an Electrostatic Discharge Control Program for – Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electronically Initiated Explosive Devices).
NAS 847	Cap and Plug, Protective, Dust and Moisture Seal
SAE-AS5553	Aerospace Standard, Counterfeit Electronics Parts; Avoidance, Detection, Mitigation, and Disposition
SAE-ASI2500	Corrosion Prevention and Deterioration Control of Electronic Components and Assemblies
TO 00-20-2	Maintenance Data Documentation
TO 00-25-234	General Shop Practice Requirements for the Repair, Maintenance, and Test of Electrical Equipment
TO 00-25-260	Asset Marking and Tracking Item Unique Identification (IUID) Marking Procedures
TO 00-5-1	AF Technical Order System
TO 00-5-2	AF Technical Order Distribution System
TO 1-1-689	Avionics Cleaning/Corrosion Manual
TO 33B-1-1	Non-Destructive Inspection Methods
TO 00-35D-54	USAF Deficiency Reporting, Investigation and Resolution

12.2 Applicable Non-Government Documents.

583R936	Source Control Drawing
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Technical Orders/Manuals, Technical Directives and other applicable publications required to accomplish the work effort, but not in possession of the Contractor, shall be acquired as authorized and directed by the ACO. Commercial

PWS for the Essential Repair of Multiplier Assembly

publications can be substituted for Technical Orders and Military Standards if the Contractor can substantiate to the engineering control authority that such publications will accomplish the same purpose.

NOTE: Primary source for military specifications and standards is:

DLA DOCUMENT SERVICES/QUICK SEARCH ASSIST

700 Robbins Ave. Bldg. 4, Sec D.

Philadelphia, PA 1911-5094

DSN: 442-6396

COMM: (215) 697-6396

WEB: <http://quicksearch.dla.mil>