DEPARTMENT OF THE AIR FORCE
AIR FORCE SUSTAINMENT CENTER
TINKER AIR FORCE BASE, OKLAHOMA 73145

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AF CONTRACT NO: XXXXX-X

STATEMENT OF WORK (SOW)

TYPE OF WORK: REMANUFACTURE OF F-16 HEAT EXCHANGER. (INPUTs)1660-01-046-0943, PN 764967-5 AND/OR 1660-01-331-0068, PN 764967-7. (OUTPUT) NSN 1660-01-331-0068, PN 764967-7.

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PREFACE SHEET

	END ITEM RECEIVED AS		END ITEM TO BE DELIVERED AS	
LINE ITEM NUMBER	**NATIONAL STOCK NUMBER**	**PART NUMBER**	**NATIONAL STOCK NUMBER**	**PART NUMBER**
0001	1660-01-046-0943 1660-01-331-0068	764967-5 764967-7	1660-01-331-0068	764967-7

SECTION 1 GENERAL INFORMATION

1.1. DEFINITIONS

1.1.1. The following definitions are applicable to this SOW:

a. Administrative Contracting Officer (ACO): A contracting officer assigned the responsibility for the post award functions related to the administration of a Government contract in the field. The ACO is normally located in the Defense Contract Management Agency (DCMA). The ACO is responsible for ensuring the Contractor performs in accordance with the terms of the contract.

b. Consumable Part: Piece parts that are not typically reused during remanufacture.

c. Contracting Officer (CO): A person with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the contracting officer acting within the limits of their authority as delegated by the contracting officer. "Administrative contracting officer (ACO)" refers to a contracting officer who is administering contracts (see definition above). “Termination contracting officer (TCO)" refers to a contracting officer who is settling terminated contracts. A single contracting officer may be responsible for duties in any or all of these areas. Note: the use of the term Procuring Contracting Officer (PCO) is also used in this document due to references within the DFARS, see definition below.

d. Defect: A characteristic that does not conform to the specified requirements.

e. End Item: An end item is a complete piece of Government equipment as listed in Government supply catalogs and suitable for Government storage and issue. End items may contain one or more Shop Replaceable Units (SRUs). End items are also referred to as Line Replaceable Units (LRUs). End items covered by work under this SOW are listed on the preface sheet.

f. Initial Production Evaluation (IPE): An IPE is a planned Government review of early production items and processes to evaluate a Contractor’s ability to complete the work in accordance with (IAW) the contract, applicable technical orders, and other guidance required by this SOW.

g. Pre-Award Survey (PAS): A conference to allow the contracting officer to evaluate the capability of a perspective Contractor to accomplish the requirements of procurement action prior to Contract award.

h. Procuring Contracting Officer (PCO): The individual authorized to enter into contracts for supplies on behalf of the Government by formal advertising or negotiation and who is responsible for overall procurement of the contract. Note:

this term is retained to align with references in the DFARS. As it pertains to the work specified herein, the PCO is functionally equivalent to the Contracting Officer (CO) definition in FAR Part 2, stated above.

i. Product Quality Deficiency: Any defect or nonconforming condition. Included are deficiencies in design, specification, material, manufacturing, and workmanship.

j. Product Quality Deficiency Report (PQDR): Standard Form (SF) 368 is used to record and transmit product quality deficiency data.

k. Recoverable Component: Accountable, non-expendable part or sub-assembly of an end item. Also referred to as a Shop Replaceable Unit (SRU). SRUs may be re-installed in an end item after inspection/repair and deemed serviceable. If applicable to the scope of this SOW, SRUs will be listed on the preface sheet.

l. Remanufacture: An end item remanufacture, as described within this SOW, is the action taken to return the end item to a like-new condition. This remanufacture process is consistent with the provisions of Federal Acquisition Regulation (FAR) 22.1003-6(a)(1).

m. Repair: An end item repair is the action taken to return the end item to a serviceable condition by replacing all exposed consumable items and only the damaged recoverable parts that do not meet the TO inspection criteria. Repair consists of end item testing to determine deficiencies, disassembly as required to support maintenance actions required, thorough cleaning, refurbishment or replacement of all disturbed components not meeting inspection criteria, replacement of all soft parts (seals, gaskets, etc.) exposed during repair, re-assembly of assemblies and subassemblies, performing all adjustments and alignments, testing and calibration of subassemblies and end items, and final inspection (e.g. safety wiring, painting, affixing decals) IAW the applicable TO and approved test documentation.

n. Report of Discrepancy (ROD): Used to report shipping and packaging discrepancies such as material damage due to shipping, supply documentation errors, misdirected material, shortage of material, incorrect item technical markings, and if the wrong item was received. RODs must be submitted via WebSDR.

o. Re-usable Component: Non-accountable, expendable part or assembly that may be re-installed in an end item after inspection/repair and deemed serviceable.

p. Serviceable: An item is considered serviceable if it is capable of meeting the functional and test requirements for which designed or modified as established by the applicable technical documents in SECTION 3.

q. Supply Discrepancy Report (SDR): A tool used to report shipping or packaging discrepancies attributable to the responsibility of the shipper, and to provide appropriate responses and resolution. Formerly known as a ROD.

r. Special Tooling (ST): Special tooling refers to all specialized jigs, dies, fixtures, molds, patterns, taps, gauges, other equipment and manufacturing aids and replacements designed for a specific project and cannot be used otherwise without substantial modification or alteration. Some Technical Orders generically refer to this tooling as support equipment.

s. Special Test Equipment (STE): STE consists of interconnected/interdependent items or equipment assemblies, including standard or general-purpose items or components, brought together to become a new functional entity for special test purposes. They are single or multipurpose integrated test units engineered, designed, fabricated, or modified to accomplish special purpose testing in the direct performance of contract maintenance. It does not include consumable property, special tooling, buildings, materiel, special test facilities (except foundations and similar improvements necessary for installing special test equipment, plant equipment items, or similar capital items used for general plant testing purposes). Some Technical Orders generically refer to this test equipment as support equipment.

t. Technical Order (TO): An Air Force publication that gives specific technical directives and information with respect to the inspection, storage, operation, modification, and maintenance of Government equipment. Technical orders contain approved processes and piece part information that must be followed to ensure the item retains its qualification status.

1.2. INITIAL PRODUCTION EVALUATION REQUIREMENTS

1.2.1. IPE shall be completed within sixty (60) calendar days of receipt of first delivery order. The IPE requirement may be waived by the Government at the time of contract award.

1.2.2. The IPE shall be conducted on three (3) units of each line item. The condition of the items at IPE will be as follows: one (1) each complete and ready to follow the disassembly, cleaning, inspection, and component replacement/repair procedures; one (1) each fully disassembled, cleaned, and ready for assembly; and one (1) each assembled and ready for testing. The Contractor shall furnish written notice to the PCO within fifteen (15) business days after the required quantity of end items are available for the IPE.

1.2.3. The PCO shall notify the Contractor of the projected dates that the Government IPE Evaluation Team will arrive at the Contractor's facilities to conduct the IPE. The Contractor shall permit entrance to the Evaluation Team into its facilities. This includes

access to Contractor telephones and other communication devices that will allow the Evaluation Team to consult with appropriate Government personnel in the accomplishment of the IPE evaluation.

1.2.4. After concluding the IPE, the Evaluation Team will provide official written notice of IPE approval/disapproval through the PCO. Note: any requirements from section 2 of this SOW that cannot be met will result in disapproval. If disapproved, the Government will identify the corrective actions the Contractor must accomplish. An IPE will only be considered successfully completed when final written approval is provided by the PCO.

1.2.5. Under no circumstances shall the Contractor begin production on any quantity of items other than the three (3) IPE units that will be evaluated by the Evaluation Team prior to the successful completion of the IPE.

1.3. REPORTING/DATA REQUIREMENTS

1.3.1. Data requirements are specified in the Contract Data Requirements List (CDRL, DD1423), summarized in the following Table.

CDRL No.	Title	Data Item Description (DID) No.	SOW Paragraph(s), If applicable
A001	CAVAF CFM End Item Report	DI-MGMT-81838	2.2.6
A002	CDM Monthly Production Report	DI-PSSS-81995	2.2.6
A003	Government Property Annual Inventory Report	DI-MGMT-80441D	2.2.6, 4.3.4
A004	Production Surge Plan	DI-MGMT-80969	1.14.2, 1.14.4
A005	Technical Data Package	DI-SESS-80776B	1.10, 2.1.4
A006	Supply Discrepancy Report	DI-MGMT-80503	1.4.3

1.3.2. In addition, the Contractor shall maintain for five years and deliver upon agency request a document package containing the following documentation for each end item produced:

a. Maintenance Data Sheet

b. Test Data Sheet

c. Quality Acceptance Review Documentation

d. Parts replaced listed by each serial numbered end item remanufactured

1.4. QUALITY PROGRAM AND INSPECTION SYSTEM REQUIREMENTS

1.4.1. The Contractor shall establish, document, and maintain a quality system as a means of ensuring that the end item conforms to specified requirements. The quality system shall be in accordance with contract requirements.

1.4.2. When a Deficiency Report is received for an end item remanufactured under the terms of this contract, the Contractor shall comply with the ACO's directions. Guidance is provided in TO 00-35D-54, USAF Deficiency Reporting, Investigation, and Resolution.

1.4.3. The Contractor shall report discrepancies incident to shipment which include material damage due to shipping, supply documentation errors, misdirected material, shortage of material, incorrect item technical markings, and if the wrong item is received within two (2) business days of discovery. The Contractor shall report and resolve the discrepancies using the DoD web-based application WebSDR link located within the CAV AF system described in the CAV AF SOW. This system of reporting a Supply Discrepancy Report (SDR), formerly called a Report of Discrepancy (ROD), has been developed in compliance with DoD regulations 4140.1-R and 4000.25-M Volume 2, which requires automated SDR processing. In those situations where the SDR initiator is unable to gain access to the AF WebSDR, an electronic copy of all SDR forms shall be submitted to the ACO and PCO within two (2) business days of discovery. Refer to CDRL A006, Paragraph 1.3.1. Other discrepancies must be reported via the Contract Request Form, refer to Paragraph 2.2.7.

1.4.4. The Contractor shall support quality audits as required by the ACO. These audits could require that one or more end items be removed from the production line and subjected to any combination of inspection, testing, disassembly, or assembly to determine that the standards of performance and technical conformance meet the requirements of this SOW. The Contractor shall be required to correct a deficient process to eliminate the cause(s) of any defects as directed by the ACO.

1.4.5. The Contractor shall support quality assurance reviews to be conducted at the site of remanufacture at the request of the Government throughout the contract period.

1.4.6. The Contractor shall support a quality acceptance review by the DCMA representative at the site of work as specified in this SOW for each end item worked under the terms of this contract.

1.4.7. Requests for deviation/waiver shall be submitted to the PCO through the ACO using the Request for Variance (RFV) DD1694. Work shall not be initiated on assemblies/components affected by deviation/waiver pending approval/disapproval. Requests shall include the contract number, NSN, and part number (P/N) of the end item and lowest part/assembly affected, effect on cost/price and delivery schedule, description of deviation waiver, justification for deviation/waiver, and proposed corrective action taken.

1.5. SPECIAL TOOLS AND TEST EQUIPMENT

1.5.1. The ST/STE required to accomplish the scope of work to be completed on end items under this contract are listed in the specified remanufacture technical documents listed in SECTION 3 of this SOW. If the equipment specified in the applicable technical documentation are not designated as Government furnished in this contract, the Contractor is responsible for furnishing part number identical or substitute ST/STE from commercial sources.

1.5.2. If the Contractor intends to substitute ST/STE, a list of the proposed substitute ST/STE shall be provided to the PCO with the proposal for review by the cognizant engineering authority prior to award, or if held, during the PAS conference, the Contractor shall demonstrate that suitable substitute ST/STE can be acquired and meets the standards stipulated in the technical data by the following actions:

a. Displaying drawings, schematics, or specifications which illustrate that the prospective Contractor understands the exact nature of the work to be performed and the ST/STE required to perform the tasks.

b. Explaining the capabilities of substitute ST/STE to ensure that it is adequate to perform the specified testing requirements.

c. Defining how substitute ST/STE will be designed, built, and calibrated without assistance from the Government, by an internal engineering capability, or via the services of a recognized outside engineering agency as approved by the cognizant engineering activity.

1.5.3. The equipment shall be in possession of the Contractor prior to the IPE team visit.

1.5.4. The Contractor shall show documentation certifying the accuracy of all calibrated ST/STE to the ACO prior to work performed as outlined in this SOW.

1.5.5. Support Equipment Calibration Requirements. The Contractor shall ensure documentation certifying the accuracy of all calibrated ST/STE is made available to the ACO prior to work being performed. The Contractor shall ensure ST/STE calibration is maintained throughout performance of this contract. Upon request, the Contractor shall show calibration data to the ACO for each ST/STE item as follows:

a. ST/STE part number and serial number

b. Date calibrated

c. Calibration due date

d. Calibration source

e. Calibration procedure used

f. Is and Was data

g. Facsimile of the current stamped calibration sticker affixed to ST/STE item

h. Verification of full performance compliance IAW this SOW for ST/STE items not requiring calibration

i. Traceability to the National Institute of Standards and Technology

1.6. PRECIOUS METALS RECOVERY PROGRAM

1.6.1. The Precious Metals Recovery Program is not applicable to this SOW. The handling and control of precious metals shall be IAW AFI 23-101, Materiel Management Policy, if necessary.

1.7. NUCLEAR HARDNESS REQUIREMENTS

1.7.1. The Contractor shall notify the PCO if the work degrades the nuclear hardness of the item within one (1) business day of determination. The Contractor shall not continue maintenance actions until Government approval is obtained from the PCO.

1.8. PARTS CONTROL PROGRAM

1.8.1. The Contractor shall establish, document, and maintain a parts control program for the work associated with this SOW.

1.8.2. The Contractor shall establish the parts control program for each end item from the PREFACE SHEET using technical documentation specified in SECTION 3, consisting of the applicable Illustrated Parts Breakdown (IPB) TO or Government engineer approved OEM parts list, hereafter referred to as the Government approved parts list.

1.8.3. Approval from the PCO is required for the Contractor to use any parts not contained in the Government approved parts list. Requests to deviate from the Government approved parts list must be submitted via the RFV DD1694 to the PCO who will forward the request to the cognizant engineering authority. The Contractor shall otherwise maintain configuration of items worked under the scope of this contract as identified in the Government approved parts list or this SOW. If Government provided technical data is utilized, the Contractor shall notify the PCO via the RFV DD1694 of any configuration discrepancies noted between the applicable IPB, engineering drawings, and the current configuration of the end item. The Contractor shall obtain written

authorization from the cognizant engineering activity via the PCO for configuration deviations prior to implementation.

1.8.4. The IPB shall serve as the current configuration baseline for an end item or system unless otherwise stated in this SOW.

1.8.5. The Contractor shall only use replacement parts purchased directly from the end item OEM, OEM-authorized distributor where the OEM remains the manufacturing source, or purchased from DLA. In the event that parts are not available from either of these three sources for a pending remanufacture operation, the Contractor shall request permission to utilize an alternate source via the RFV DD1694 to the PCO. Use of surplus material should be considered a last resort option. The Contractor shall provide documentation showing unsuccessful attempts to obtain parts from the OEM, OEM-authorized distributor(s), or DLA with any alternate sourcing requests. The cognizant engineering authority shall provide written authorization through the PCO for any deviations from the aforementioned sources and/or approval or disapproval of surplus material. Refer to Paragraph 2.1.3 for additional information.

1.8.6. The Contractor shall keep records to allow traceability of sourcing of replacement parts for each end item remanufactured by serial number. These records shall be furnished for inspection upon Government request.

1.8.7. The Contractor shall be required to perform work as specified by this SOW for all end items unless written disposition instructions are provided by the PCO. Requests for condemnation shall be submitted by the Contractor in writing via the Contract Request Form process (refer to Paragraph 2.2.7), signed by the ACO then submitted to the PCO for review and processing.

1.9. OZONE DEPLETING SUBSTANCES

1.9.1. This SOW is not explicitly requiring the use of a Class 1 ozone depleting substance (ODS) in the performance of this contract. The Contractor is authorized to use a suitable substitute for any Class 1 ODS which may be required by the engineering or technical data specified by this SOW. The Contractor shall immediately identify the substitute in writing to the PCO when a substitute has been determined.

1.10. TECHNICAL ORDER MAINTENANCE

1.10.1. If Government provided technical data is used to accomplish the work specified in this SOW, the Contractor shall maintain all TOs and other technical directives applicable to the work requirements in an updated and current status according to TO 00-5-1, AF Technical Order System, and TO 00-5-3, Air Force Technical Order Life Cycle Management. Refer to CDRL A005, Paragraph 1.3.1.

1.10.2. In the event of a TO change during the contract, the Contractor shall evaluate the impact of the change on the Contractor's performance. The Contractor shall consider the impact of this change on costs, schedules, and any other pertinent factors. The Contractor shall provide a written evaluation, along with specific justification/applicable data documenting the impact on the Contractor's performance, to the PCO within ten (10) business days after receipt of the change. The Contractor shall not incorporate these technical order changes until approved by the PCO.

1.11. CONTRACTOR EMPLOYEES

1.11.1. Contractor employees shall identify themselves by introducing themselves or being introduced as Contractor personnel and displaying distinguishing badges or other visible identification for meeting with Government personnel. In addition, Contractor personnel shall appropriately identify themselves as Contractor employees in telephone conversations and in formal and informal written correspondence.

1.12. SAFETY AND HEALTH STATEMENT

1.12.1. 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 PCO, within eight (8) hours of any damage to Government property where the dollar value exceeds $500,000.00 and within two (2) 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. Contractor, 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

1.12.2. If requested by the designated PCO, the Contractor shall immediately secure the mishap scene/damaged property and impound pertinent maintenance and training records,

until released by the Procuring Safety Office. Contractors will not dispose of contract data related to a mishap until notified to do so by the PCO.

1.13. ITEM UNIQUE IDENTIFICATION REQUIREMENTS

1.13.1. The Contractor shall develop and implement Item Unique Identification (IUID) marking in accordance with the latest version of MIL-STD-130, Identification Marking of U.S. Military Property. Marking requirements may have already been identified in Government provided TOs listed in SECTION 3. Each asset produced during the course of this contract shall be marked.

1.13.2. IUID markings currently in place on items undergoing remanufacture, if applicable, shall be protected from damage or removal during remanufacture. Ensure 2-D matrix IUID markings are readable per TO 00-25-260, Unique Identification Asset Marking and Tracking. Should IUID marking be rendered unreadable during remanufacture, the Contractor shall notify the PCO for determination.

1.13.3. IUID markings which will be potentially destroyed during remanufacture due to technical direction (e.g. paint removal, sand blasting, etc.) shall be recorded prior to maintenance action and replaced with the same Unique Item Identifier as part of the remanufacture action.

1.13.4. The Contractor shall submit the required and applicable data for newly marked items to the DoD IUID Registry per the data submission procedures at https://www.acq.osd.mil/asda/dpc/ce/ds/unique-id.html.

1.14. SURGE

1.14.1. Surge is an unplanned increase in demand above Best Estimated Quantities (BEQ) due to major theater warfare or national emergency (i.e., surge, refer to DFARs 217.208-70 and DFARs 252.217.7001). To ensure a timely response during such a scenario, the Government has the option to request a maximum 20% increase above contractual BEQs. The targeted 20% increase can/shall be used during real-world surge, if necessary.

1.14.2. The Contractor shall develop an initial surge plan, IAW DI-MGMT-80969 (A004, Paragraph 1.3.1), to ramp up production to meet the non-peacetime BEQ (i.e. 20% increase). The plan shall be delivered to the PCO within 60 days of issuance of the first Delivery Order. The plan shall include, for each item on the contract, i) how the Contractor proposes to meet the requirement, ii) a timeline to implement the plan after notice of a surge, iii) an assessment of the Contractor's ability to sustain the surge through termination of the surge requirement, and iv) a list of any limiting factors or supply chain risks that will impact surge production and future requirements for

identified items. The initial plan should be considered a starting point that may be updated if/when the Government invokes the surge requirement.

1.14.3. In the event the Government needs to invoke the surge option, the PCO will notify the Contractor in writing via unilateral modification and will provide, when able, details on the item(s), quantities, an updated delivery schedule, and an estimated termination date where applicable. The timeline for responding to a PCO surge request is subject to the urgency of the requirement which will be stated in the written request.

1.14.4. Upon notification by the PCO of a surge requirement, the Contractor shall be required to provide the Government with an updated surge plan IAW DI-MGMT-80969 (A004, Paragraph 1.3.1) to meet these new conditions. The Contractor can then expect to see additional orders and/or see the priority status elevated on current orders. The Contractor shall then be willing to work to meet and sustain this demand for quantity levels above and beyond normal peacetime requirements, through one or more of the following actions:

a. Maintain a certain level of safety stock of components to draw from to perform additional repair.

b. Add additional shifts/employees to increase production within the Contractor facility and with sub-tier suppliers.

c. Work with the various manufacturing sites and their supply chains to expedite production.

1.14.5. When schedule and quantities for surge are above the contract terms for BEQs, they may drive additional costs by the Contractor and shall be negotiated separately.

SECTION 2 DESCRIPTION OF WORK

2.1. GENERAL

2.1.1. The work performed under this contract is to remanufacture the end item(s) specified in the PREFACE SHEET of this SOW. The work encompasses the disassembly, cleaning, inspection, maintenance, core manufacture, re-assembly, testing, and finishing actions required to return the end item to a like new condition. The work shall be accomplished IAW documents as specified in SECTION 3. In the event that a situation develops where these instructions conflict with the documents listed in SECTION 3, this SOW shall take precedence. All core manufacture work encompassed by chapters 7 and 8 of the Technical Order 15A4-85-3 is to be performed in-house at contractor's facility. Contractor will be evaluated on their capability to perform this work in-house, and subcontracting any portion of this work will be deemed unacceptable. This requirement will be validated during the IPE.

2.1.2. When a particular remanufacture is constrained for lack of remanufacture materials that are not and will not be immediately available, the Contractor may request via the Contract Request Form process (refer to Paragraph 2.2.7) authorization to remove components or subassemblies from other inducted assets (the donor) prior to full disassembly for remanufacture in order to expedite remanufactures. Component removal requests shall be subject to review and approval/disapproval by the cognizant engineering activity. Such component removal actions should only be considered upon exhaustion of all other sources of remanufacture materials. The Contractor shall not initiate any component removal action unless such action shall satisfy all remanufacture material requirements for the recipient end item. The Contractor shall not remove any piece parts from serviceable units. At the Contractor’s expense, the Contractor shall then replace all removed donor subassemblies with remanufactured or new subassemblies and all component parts with new component parts on the donor assembly. The Contractor shall ensure the contract delivery schedule is not negatively affected by the removal of any components or subassemblies from any inducted assets. The Contractor shall not condemn donor end items or subassemblies.

2.1.3. Obsolescence and Diminishing Manufacturing Sources and Material Shortages (DMSMS). Due to the nature of aging equipment and constraints within the defense supply chain, parts obsolescence and DMSMS are expected to present increasing challenges to the sustainment of Air Force end items. While executing the work specified in this SOW, the Contractor may need to consider unique parts sourcing actions in support of the work specified in this SOW if sourcing is not available through the OEM or DLA (refer to Paragraph 1.8, Parts Control Program).

a. Examples of alternative parts sourcing options which the Contractor may request include manufacturing at the Contractor’s facility (if technical data is available) or reverse engineering (if data is not available). In either case, the Contractor shall be able to demonstrate having the necessary capabilities,

experience, equipment, and/or technical data necessary to execute the alternate sourcing proposed. If reverse engineering is to be considered, refer to additional requirements in Paragraph 2.1.4.

b. The Contractor shall request authorization to deviate from sourcing parts from OEM or DLA by submitting an RFV DD1694 to the PCO. Authorization from the Government cognizant engineer, as communicated in writing through the PCO, must be received prior to executing the requested deviations. If the Contractor requires the Government to consider non-recurring expenses (NRE) associated with the parts source deviation request, a quote for NRE shall accompany the request. Any approval received for alternate parts sourcing options shall only be applicable to work accomplished within the scope of this contract; for example, it would not necessarily imply authorization to be considered a manufacturing source for DLA in the future.

2.1.4. Reverse Engineering (RE) of Obsolete/Unobtainable Parts. Authorization requests to reverse engineer obsolete or unobtainable piece parts are subject to the following additional requirements.

a. Any RE request shall require a three-part approval process, at minimum, as follows:

i. The Contractor shall request authorization via RFV DD1694 to proceed with a RE effort. This request must include 1) documented attempts to obtain the parts from DLA or the OEM, 2) a quote for the engineering effort required, 3) a robust RE plan, and 4) a proposed qualification plan for validating the RE design.

ii. Following approval to move forward with the RE plan, the Contractor shall complete the RE process and submit the final RE design for review by the Government cognizant engineer. Approval of the design, as communicated in writing via the PCO is required prior to prototype or initial production.

iii. The Contractor shall produce a minimum of three (3) prototypes using the RE design to verify production conformance with the approved RE design. The Contractor shall prepare a report (format is up to the Contractor) including a full dimensional analysis, material and process certificates, and installation on the NHA to verify proper fit, form, and function for all three prototypes. Final cognizant engineering approval of the prototype testing report, as communicated in writing via the PCO, is required prior to full production and utilization of RE parts in the NHA.

b. All Government Rights IAW DFARS 227.7103-5 apply in the development of RE designs, drawings, and associated technical data. Refer to CDRL A005, Paragraph 1.3.1.

2.2. SPECIFIC WORK REQUIREMENTS

2.2.1. Basic remanufacture requirements. The end item shall be cleaned, disassembled, components inspected, assembled, and tested according to applicable TOs and/or OEM specifications (refer to documents in SECTION 3). If any component part does not meet inspection requirements as specified in the applicable TO and/or OEM specifications, or if there is any doubt as to its serviceability or longevity, the Contractor shall replace the component if it cannot be restored to the original life expectancy, or nearly so. The Contractor is expected to include the cost of replacing a percentage of re-usable and recoverable components, as identified above, in their remanufacture cost proposal. The pricing for these items shall be included in the remanufacture cost.

a. If the Contractor desires to replace or modify an existing remanufacture process with a Contractor developed process, the Contractor shall submit to the PCO a completed RFV DD1694 containing all technical data or other information related to the proposed change for review and approval by the cognizant engineering authority. The Contractor must receive written authorization from the cognizant engineering authority via the PCO prior to making any process changes or modifications.

2.2.2. Over and Above shall only be considered for missing components or for components damaged due to causes unrelated to the normal use of the end item necessary to return the item to the original life expectancy, or nearly so, as specified in this SOW.

a. Over and above requests shall be submitted by the Contractor using the Contract Request Form, refer to Paragraph 2.2.7. Proposals for over and above costs shall be submitted at the same time as the request.

b. Written approval from the PCO in the form of a signed and funded SF-30 modifying the contract shall be obtained prior to performing any over and above work. It is the responsibility of the Contractor to ensure this written approval has been obtained, and failure to obtain approval in advance of commencing over and above work means the Contractor is performing work at risk of not being paid. The Government is under no obligation to pay for over and above work that has not been approved in advance. The Government shall be the sole authority to determine whether over and above is appropriate.

2.2.3. End Item Identification and Marking. Permanently and legibly mark each remanufactured end item with the Contractor's CAGE and date of remanufacture. This identification shall be permanently affixed to the end item by stamp, stencil, or similar means. Refer to latest version of MIL-STD-130 for additional marking requirements.

2.2.4. Quality Acceptance and Processing.

a. Quality acceptance of each end item shall be performed prior to packaging and transportation. Quality acceptance shall be performed by DCMA at the remanufacture site. Quality acceptance documentation for each end item shall be maintained by the Contractor as part of the item document package.

b. Each end item identified as serviceable shall be delivered to the Government defect free.

c. Following quality acceptance by DCMA, the Contractor shall notify the Supply Planner (SP) in writing of the completion of remanufacture process. Within one (1) business day of shipment, the Contractor shall provide proof of shipment through delivery of an accepted Receiving Report (DD250) in the Procurement Integrated Enterprise Environment (PIEE) to the SP. The Receiving Report shall include the carrier and tracking number.

2.2.5. Shipping Documentation.

a. The Contractor shall ensure the appropriate tag is attached to each end item generated.

i. Serviceable tags/labels are DD1574/1574-1 (Yellow)

ii. Unserviceable (repairable) tags/labels are DD1577-2/1577-3 (Green)

iii. Unserviceable (condemned) tags/labels are DD1577/1577-1 (Red)

iv. Suspended tags/labels are DD1575/1575-1 (Brown)

b. Shipments under this contract shall be by Commercial Bill of Lading (CBL) by the fastest traceable means.

c. Items remanufactured as a result of a quality deficiency shall be shipped at the Contractor's expense.

2.2.6. The Contractor is required to comply with all Commercial Asset Visibility Air Force (CAVAF) requirements identified in the CDRLs (A001, A002, A003, Paragraph 1.3.1) and attachments to the contract. Additionally, upon completion of the remanufacture, the contractor is required to print the DD1348-1A (in triplicate) from CAVAF. One copy is to be placed inside the box with the returnable remanufactured asset, one outside the box and one copy will be electronically uploaded to PIEE as part of the Receiving Report (DD250).

2.2.7. The Contractor shall use the Contract Request Form attached to this document when requesting condemnation, component removal, or over and above. Adequate justification shall be provided along with the required supporting documentation noted on page two of the form for each kind of request. When completed and coordinated by DCMA representative, the Contractor shall submit the form to the PCO through the ACO

for Government review. The Contractor shall not perform any work in accordance with submitted requests until written authorization from the cognizant engineering authority via the PCO is received.

2.3. DELIVERY SCHEDULE

2.3.1. One hundred percent (100%) of end items listed in the PREFACE SHEET shall be delivered IAW the contractual delivery schedule. The Contractor shall meet the delivery schedule.

SECTION 3 APPLICABLE DOCUMENTS

3.1. APPLICABLE TECHNICAL ORDERS

3.1.1. Specific Technical Orders

PART NUMBER	TO NUMBER	DATE	TITLE
L8742918-1	15A4-85-3	28 FEB 2017	Technical Manual

3.1.2. General Technical Orders

TO NUMBER	DATE	TITLE
00-5-1	19 NOV 2024	AF TECHNICAL ORDER SYSTEM
00-5-3	23 APR 2025	AF TECHNICAL ORDER LIFE CYCLE MANAGEMENT
00-25-260	10 MAY 2022	METHODS AND PROCEDURES MANUAL -- UNIQUE IDENTIFICATION ASSET MARKING AND TRACKING
00-35D-54	15 FEB 2024	USAF DEFICIENCY REPORTING, INVESTIGATION AND RESOLUTION

3.2. OTHER PUBLICATIONS

3.2.1. Air Force Publications

DOCUMENT NUMBER	DATE	TITLE
AFI 23-101_AFMCSUP	10 DEC 2021	MATERIAL MANAGEMENT POLICY
AFMAN 23-122_AFMCSUP	25 JUN 2025	MATERIEL MANAGEMENT PROCEDURES

3.2.2. DoD/GSA/Air Force Forms

FORM NUMBER	TITLE
AFMC FORM 158	PACKAGING, HANDLING, STORAGE, AND TRANSPORTATION ACQUISITION AND SUSTAINMENT PRODUCT SUPPORT INSTRUCTION
DD250	MATERIAL INSPECTION AND RECEIVING REPORT
DD254	DOD CONTRACT SECURITY CLASSIFICATION SPECIFICATION
DD1348-1A	ISSUE RELEASE/RECEIPT DOCUMENT
DD1423	CONTRACT DATA REQUIREMENTS LIST (CDRL)
DD1574 DD1574-1	SERVICEABLE TAG – MATERIEL SERVICEABLE LABEL – MATERIEL
DD1577-2 DD1577-3	UNSERVICEABLE (REPAIRABLE) TAG – MATERIEL UNSERVICEABLE (REPAIRABLE) LABEL – MATERIEL
DD1577 DD1577-1	UNSERVICEABLE (CONDEMNED) TAG – MATERIEL UNSERVICEABLE (CONDEMNED) LABEL – MATERIEL
DD1575 DD1575-1	SUSPENDED TAG – MATERIEL SUSPENDED LABEL – MATERIEL
DD1694	REQUEST FOR VARIANCE (RFV)
SF328	CERTIFICATE PERTAINING TO FOREIGN INTERESTS
SF364	REPORT OF DISCREPANCY
SF368	PRODUCT QUALITY DEFICIENCY REPORT (PQDR)

3.2.3. Other Government Publications

PUBLICATION NUMBER	TITLE
MIL-STD-130	IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY
NIST SP 800-53 Rev. 5.2.0	SECURITY AND PRIVACY CONTROLS FOR INFORMATION SYSTEMS AND ORGANIZATIONS
NIST SP 800-61 Rev. 3	INCIDENT RESPONSE RECOMMENDATIONS AND CONSIDERATIONS FOR CYBERSECURITY RISK MANAGEMENT
NIST SP 800-161 Rev. 1, Update 1	CYBERSECURITY SUPPLY CHAIN RISK MANAGEMENT PRACTICES FOR SYSTEMS AND ORGANIZATIONS
NIST SP 800-171 Rev. 3	PROTECTING CONTROLLED UNCLASSIFIED INFORMATION IN NONFEDERAL SYSTEMS AND ORGANIZATIONS

3.3. CONTRACTOR DOCUMENTS

PART NUMBER	DRAWING NUMBER	TITLE AND DATE
N/A	N/A	N/A

SECTION 4 GOVERNMENT PROPERTY

4.1. GOVERNMENT PROPERTY

4.1.1. Unless Government furnished equipment (GFE) or Government furnished property (GFP) is specifically provided for by the terms of the contract, the Contractor shall furnish all material, support equipment, special tools, special test equipment, and services required in performance of this contract. If GFE/GFP is provided, the following requirements apply.

4.2. DISPOSITION OF GOVERNMENT PROPERTY

4.2.1. Within ninety (90) business days prior to contract expiration, the Contractor shall submit a letter to the managing property administrator requesting disposition instructions in the transfer of Government furnished property (GFP). A list identifying GFP shall include the NSN, part number/CAGE, noun, quantity, condition code, and dollar value shall be submitted through the ACO to the property administrator for disposition instructions.

4.2.2. If a follow-on contract is being awarded or is in the negotiation or solicitation stage, the existing GFP may be retained to the extent required to support the current contract and/or follow-on contract.

4.2.3. The Contractor shall comply with preservation, packaging, and packing instructions as specified in the basic contract and/or on the AFMC Form 158, Packaging, Handling, Storage, and Transportation Acquisition and Sustainment Product Support Instruction.

4.3. OTHER

4.3.1. The Contractor shall not obtain GFP through the utilization of requisition codes assigned exclusively to this contract for any other contracts.

4.3.2. The Contractor shall not transfer GFP charged to this contract to any other contract, Contractor, or activity without the advance approval of the property administrator through the PCO.

4.3.3. The Government reserves the right to withdraw any GFP in possession of the Contractor to supply other urgent USAF requirements. If any item so removed by the Government is still required to complete the contract, the Contractor shall take appropriate action to replace the removed item.

4.3.4. Additional requirements per DFARS 252.245-7005 apply. Refer to CDRL A003, Paragraph 1.3.1.

SECTION 5 CONSUMABLE PARTS REPLACEMENT REQUIREMENTS

5.1. 100% CONSUMABLE PART REPLACEMENT REQUIREMENTS

N/A

SECTION 6 SUPPLY CHAIN RISK MANAGEMENT (SCRM)

6.1. GENERAL

6.1.1. The Contractor shall identify, assess, plan for, and mitigate actual or potential threats, vulnerabilities, and disruptions to the Air Force's supply chain through the lifecycle to ensure mission effectiveness. The Contractor shall inform and include the Government in any mitigations or alterations to the program. The SCRM plan shall address the broad spectrum of supply chain risks that have the potential to: jeopardize the integrity of products, services, people and technologies; compromise intellectual property; disrupt the flow of product, materiel, information, and finances needed for continued Air Force operations; and drive material cost increases to the program. The Contractor shall develop and execute processes for identifying supply chain risks as early as possible; the persistent and comprehensive tracking, monitoring, and re-evaluation of supply chain risks and their corresponding mitigation actions; and communicating supply chain risks to affected stakeholders and the Government. The Contractor shall notify in writing the identified actual and potential supply chain risks. The Contractor's SCRM program and processes shall apply to the prime and their suppliers, subcontractors, associated integrators, and vendors, spanning the entirety of the supply chain, from raw material stage to delivery of a finished product and/or service. As part of the overall SCRM approach, the Contractor shall establish, document and maintain documentation about subcontractors/vendors for all parts that will be used for Government contracts. The Contractor shall continuously monitor their sources of supply for unknown, unauthorized, non-certified, or unqualified sources providing parts or services from any sub-tier supplier within the contractor's supply chain. The Contractor shall investigate and submit findings to include root causes, impacts and a corrective action plan.

6.2. CONTINUITY OF OPERATION (COOP)

6.2.1. The Contractor shall include a SCRM plan detailing the offeror's supply chain risk management approach, providing specific emphasis on the risks associated with a.) Continuity of Operations b.) Foreign Influence and c.) Cybersecurity. The Contractor shall detail the specific supply chain risk (listed below) and provide a management and mitigation plan identifying how the offeror will ensure SCRM is effective over the life of the contract.

6.2.2. The Contractor will develop (and/or update) and provide to the U.S. Government a Continuity of Operations Plan (COOP), also known as a Business Operations Plan. This will outline the processes and actions to prepare for, and respond to, unplanned natural and man-made disruptions to mission essential operations. The COOP will address disruptions caused by:

a. Natural causes possible in the local vicinity (winter weather, earthquakes, hurricanes, fires, flooding, wind, pandemics, etc.) and

b. Man-made causes (cyber-attacks, electrical outages, strikes affecting workforce, civil unrest, modes of transportation, and receiving/shipping goods, etc.).

6.2.3. The plan will explain:

a. How work will continue

b. Ability to use and/or augment the current workforce,

c. Ability to repair/restore key infrastructure (machinery, computers, logistics etc.)

d. How to communicate with and inform the U.S. Government and others in the supply chain.

6.2.4. The Contractor shall provide essential records management for personnel working on U.S. Government contracts. Records will be accessible to key members of the Government. Contractor shall ensure continuous records management support (training, etc.) despite any change in personnel.

6.2.5. This requirement has been determined to be essential. Therefore, the Contractor shall prepare for the continuation of essential DoD services during crisis IAW DFARS 252.237-7023, DFARS 252.237-7024, and other applicable references as necessary. In a state of emergency, when notified by the Government, the Contractor shall provide all services necessary to ensure mission accomplishment. On occasion, services may be required to support an activation, or exercise of contingency plans outside normal duty hours.

6.3. FOREIGN INFLUENCE

6.3.1. The Contractor shall disclose any Foreign Ownership, Control or Influence (FOCI) for the purpose of initial or continued facility clearance eligibility. An SF 328, Certificate Pertaining to Foreign Interest, shall be submitted to the Government cognizant security office specified in each DD254, Department of Defense Contract Security Classification Specification.

6.3.2. The Contractor shall provide information regarding FOCI. If the contract requires access to classified information, DD254 shall be required. The Contractor shall provide an update on its financial health and potential FOCI when a merger or acquisition occurs.

6.3.3. Foreign contractor participation is excluded at the prime and subcontractor level, unless authorized through a current approved National Interest Determination (NID). It is solely the responsibility of the Contractor to obtain necessary certification from the U.S. Department of State and to comply with all applicable federal laws and regulations.

Questions must be directed to the U.S. Department of State's Directive of Defense Trade Controls.

6.3.4. Subcontract Management. The Contractor shall be responsible for any subcontract management necessary to integrate work performed on this requirement and shall be responsible and accountable for subcontractor performance on this requirement. The Prime Contractor will manage work distribution to ensure there are no Organization Conflict of Interest (OCI) considerations. The Contractor may add subcontractors to their team only after notification to the Procuring Contracting Officer (PCO) and/or Contracting Officer Representative (COR).

6.3.5. Foreign Disclosure: Foreign Disclosure Restrictions apply.

6.4. CYBERSECURITY

6.4.1. The Contractor shall develop and implement a cybersecurity protection of supply chain information plan and provide a copy to the U. S. Government. The Contractor shall conduct early and continuous monitoring throughout the contract 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. The Contractor's plan shall:

a. Make specific reference to those aspects of the National Institute of Standards and Technology Special Publication (NIST SP) 800-161 Rev. 1, Cybersecurity Supply Chain Risk Management Practices for Systems and Organizations, that represent the Contractor's implemented processes and practices,

b. Include a description of how the Contractor shall protect the supply chain from exploitation due to the insertion of counterfeits/malware, unauthorized production, tampering, theft, insertion of malicious software and hardware, functionality alteration, and any other elements that would allow adversaries to gain unauthorized access to data, alter data, interrupt communications, or otherwise disrupt operations,

c. Inform the U.S. Government of any instances of unauthorized access and/or compromise, such as those listed in item "b" above, to the Contractor's digital information and parts and components and

d. Make specific reference to those aspects of NIST SP 800-53 Rev. 5.2.0, Security and Privacy Controls for Information Systems and Organizations, that represent the processes and practices the Contractor will implement. The plan and processes shall apply to the prime and their suppliers, subcontractors, associated integrators, and vendors, spanning the entirety of the supply chain, from raw material stage to delivery of a finished product.

6.4.2. The Contractor and any subcontractors shall provide to the Government a system security plan (or extract thereof) and any associated plans of action developed to satisfy the security requirements of DFARS 252.204-7012 and NIST SP 800-171 Rev. 4, Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations, in effect at the time the solicitation is issued or as authorized by the contracting officer. The system security plan shall describe the Contractor's unclassified information system(s)/network(s) where covered defense information associated with the execution and performance of this contract is processed, is stored, or transmitted. The Contractor shall develop and update an incident-handling capability plan that utilizes guidance provided in NIST SP 800-61 Rev. 3, Incident Response Recommendations and Considerations for Cybersecurity Risk Management, consisting of:

1. Incident response policy and plan,
2. Procedures for performing incident handling and reporting,
3. Guidelines for communicating with outside parties regarding incidents,
4. Incident team structure and staffing model,
5. Relationships and lines of communication between the incident response team and other groups, both internal and external,
6. Services the incident response team should provide, and
7. Staffing and training the incident response team.

6.4.3. Any incident reported to Defense Industrial Base Cybersecurity Program (https://dibnet.dod.mil) shall also be reported to the responsible contracting officer within seventy-two (72) hours.