

Performance Work Statement

for

TH-1H Transmission Overhaul

Purchase Request: FD2060-21-00044

11 September 2020

Distribution Statement A: Approved for public release: distribution unlimited.

1.0 Description of Services

1.1 Objective(s): This Performance Work Statement (PWS) describes the services required to overhaul the TH-1H Transmission. These services include incoming functional testing, inspection and overhaul actions required to ensure the transmission, National Stock Number (NSN) 1680-00-183-0834, Part Number (PN) 204-040-016-5 is in serviceable condition in the latest approved configuration of NSN 1615-01-574-3521, PN 212-040-007-103. The Contractor shall fault isolate, overhaul unserviceable assets to bring them into serviceable condition, and test after overhaul, all in accordance with the applicable technical guidance for the transmission. The transmission is a Time Changed item which requires overhaul. The Contractor shall document and ensure the time since overhaul data is set to zero. The Contractor shall track and resolve items affected by Product Quality Deficiency Reports (PQDR), perform depot level repair, functional testing, inspection, and packaging. The period of performance shall consist of a basic 1-year ordering period, plus a one 1-year ordering period and one 1-year option period to accomplish overhaul actions on NSN 1680-00-183-0834, PN 204-040-016-5. The contract type is a Firm-Fixed Price Requirements type. Overhauls shall be completed within 90 days after induction. The Contractor shall respond to the Production Management Specialist (PMS) within one business day of the request with the estimated delivery date of the critical item. The Contractor shall report production using the Commercial Asset Visibility Air Force (CAVAF) system by maintaining current inputs. The Contractor shall provide data on the actions conducted for each unit. The Contractor shall report daily or as actions occur. The Contractor shall have no more than one valid PQDR per contract year.

1.2 Benefit to United States Air Force (USAF): This acquisition will benefit the United States Air Force (USAF) by having available assets to support the TH-1H helicopter.

1.3 Background: The transmission is installed on the USAF TH-1H helicopter. There are no other USAF applications. The transmission is a commercial item and not a military unique application. The Original Equipment Manufacturer is Bell Helicopter. The transmission assembly is a flight Critical Safety Item (CSI). The TH-1H is unique to the USAF but variants of the H-1 are used by other services, commercial entities and foreign military customers. This service will only support the USAF TH-1H fleet.

2.0 Services Summary

Performance Objective	PWS Reference	Performance Threshold
Quality of Overhaul	4.6.6	There shall be no more than one valid PQDR and/or QDR per contract year.
Delivery of Overhaul	4.6.2.1	Overhauled assets shall be delivered in accordance with the schedule defined by the contract/order.

		There shall be no more than one late delivery per contract year. The Contractor shall notify the Government if the delivery of any asset will not meet the scheduled delivery date and negotiate a revised delivery date. The late asset shall be delivered by the revised delivery date acceptable to the Government.
CAV-AF reporting	4.2.3	The Contractor shall report production in CAV-AF. The Contractor shall provide data on the actions conducted for each unit. The Contractor shall report as actions occur.
Quality of CDRL deliverable	4.2.1	There shall be no more than one rejection of any deliverable. There shall be no more than one total rejection(s) of deliverables per contract year. The Government will reject a deliverable if one or more technical errors or one more minor errors are found within the deliverable. The rejected deliverable shall be corrected and resubmitted within three business days of notification of Government rejection.
Receipt of CDRL deliverable	4.2.2	There shall be no more than one late submission(s) of deliverables per contract year. The Contractor shall notify the Government if the delivery of any data/document will not meet the scheduled delivery date and negotiate a revised delivery date. The data/document shall be delivered by the revised delivery date acceptable to the Government.
Request for assistance	4.4	The Contractor shall initially respond to a request for assistance within one business day. Follow-up assistance, if required, shall be provided by the suspense date acceptable to the Government.
Adherence to Contractor Quality Management System (QMS)	5.8	100% compliance with the QMS is required.

3.0 Government Property

3.1 Contractor Responsibility: The Contractor shall be responsible for Government property in accordance with the Federal Acquisition Regulation (FAR) and as specified in the contract/order.

3.2 Government Property to be Provided: Government property to be provided includes NSN 1680-00-183-0834, PN 204-040-016-5.

3.3 Reporting of Government Property: The Contractor shall create and maintain records of all Government property accountable to the contract/order. The Contractor shall record receipt and return of Government-Furnished Property (GFP) in the Item Unique Identification (IUID) Registry.

3.4 Loss of Government Property

3.4.1 Definition of Loss of Government Property: “Loss of Government Property” means unintended loss of or damage to Government Property including property that cannot be found after a reasonable search, loss due to inadequate storage, loss due to lack of security, theft, damage requiring repair to restore the item to usable condition, or damage that renders the property useless for its intended purpose. Loss of Government Property does not include manufacturing defects, obsolescence, normal wear and tear, or purposeful destructive testing. Unless otherwise stated in the contract/order, loss of Government Property does not include normal and reasonable inventory adjustments, i.e., losses of low priority consumable material, such as common hardware, as agreed to by the Contractor and the Government Property Administrator.

3.4.2 Reporting Loss of Government Property: The Contractor shall report loss of Government property using Defense Contract Management Agency (DCMA) / Access To eTools.

3.5 Return or Retention of Government Property: All property provided by the Government remains the property of the Government and shall be returned to the Government as directed, but no later than completion of the contract/order, unless the Procuring Contracting Officer (PCO) directs the Contractor to retain the property for continued use under a successor contract. All Government Property shall be returned to the Government in the condition provided unless approved in advance by the PCO. All material generated under the contract/order becomes the property of the Government and shall be returned to the Government as directed, but no later than completion of the contract/order, unless the PCO directs the Contractor to retain the material for continued use under a successor contract.

4.0 Technical Requirements

4.1 Period and Place of Performance

4.1.1 Contract/Order Period of Performance: The period of performance shall consist of a basic one-year period with a one-year ordering period, followed by a one-year option period.

4.1.2 Place of Performance: These services will be performed at the Contractor’s facility.

4.2 Contract Data Requirements List(s) (CDRL)

Document Identifier	DID	Title	PWS Reference(s)
A001	DI-MGMT-81634C	Commercial Asset Visibility Air Force (CAVAF) / Government Furnished Material Report	4.2.3
A002	DI-MGMT-80441C	Government Property Inventory Report	4.2.4
A003	DI-PSSS-81995	Contract Depot Maintenance Production Report	4.2.5
A004	DI-MGMT-82128	Contract Government Furnished Material (GFM) Requisition and Inventory Report	4.2.6

4.2.1 Quality of CDRL Deliverable: There shall be no more than one rejection of any deliverable. There shall be no more than one total rejection of deliverables per contract year. The Government will reject a deliverable if one or more technical errors or one or more minor errors are found within the deliverable. A technical error is defined as the format not being in accordance with the CDRL or the content not being accurate and complete in accordance with the CDRL, PWS or contract. A minor error is exemplified by a typographical error, a grammatical error, etc. The rejected deliverable shall be corrected and resubmitted within three business days of notification of Government rejection.

4.2.2 Receipt of CDRL Deliverable: CDRL deliverables shall be submitted via Wide Area WorkFlow (WAWF) and submitted directly to the MFT member identified on the CDRL. There shall be no more than one late submission(s) of deliverables per contract year. The Contractor shall notify the Government if the delivery of any data/document will not meet the scheduled delivery date and negotiate a revised delivery date. The data/document shall be delivered by the revised delivery date acceptable to the Government.

4.2.3 Commercial Asset Visibility-Air Force (CAV-AF): The Contractor shall report production in CAV-AF. The Contractor shall provide data on the actions conducted for each unit. The Contractor shall report as actions occur. **[CDRL A001, DI-MGMT-81634C, Commercial Asset Visibility Air Force (CAVAF) / Government Furnished Material Report]**

4.2.4 The Contractor shall conduct a 100% physical inventory once per contract year of all GFP. The report shall be in Contractor's format but compatible with .xls or .xlsx format. The report shall include any Contractor held or subcontractor inventories where GFP has been provided by the government for a Contractor's or subcontractor's performance. Once an annual physical inventory has been accomplished, the contractor shall provide their internal property management control records in accordance with FAR Part 52.245-1(f)(1)(iv), *Physical Inventory*. The specific report requirements are listed in CDRL A002, DI-MGMT-80441C, Government Property Inventory Report (**CDRL A002, Government Property Inventory Report, DI-MGMT-80441C**).

4.2.5 The Contractor shall submit a Contract Depot Maintenance Production Report monthly within five (5) business days after the end of each reporting period in accordance with the CDRL. The Contractor shall report on maintenance production figures, status and accountability of assets at the contractor facility. The specific requirements are listed in CDRL A003, DI-PSSS-81995. **(CDRL A003, DI-PSSS-81995, Contract Depot Maintenance Production Report)**

4.2.6 The Contractor shall submit a GFM Requisition and Inventory Report monthly within five (5) business days after the end of the reporting period in accordance with the CDRL. The Contractor shall report on GFM balances by condition code, consumption, turn-ins, transfers, due-ins, receipts, plant clearance and shipping actions. Contractor format is acceptable provided the elements referenced in CDRL A004, DI-MGMT-82128 are included. **(CDRL A004, DI-MGMT-82128 Contract Government Furnished Material (GFM) Requisition and Inventory Report)**

4.3.1 Item Unique Identification

4.3.1.1 Marking Requirement: Unique Item Identification is required for all items to be delivered to the Department of Defense (DoD) that meet the criteria established by the FAR.

4.3.1.2 Reporting in IUID Registry

4.3.1.2.1 Transmission of Government property must be recorded in the IUID Registry. The Government is required to record the transfer of GFP to the Contractor. The Contractor is required to record the receipt of GFP from the Government. The Contractor is required to record the return of GFP to the Government.

4.3.1.2.2 The Government or contractor/subcontractor personnel responsible for causing a “life cycle event” (i.e., abandoned, consumed, destroyed by accident, destroyed by combat, donated, exchanged – repair, exchanged – sold, exchanged – warranty, expended – experimental/target, expended – normal use, leased, loaned, lost, reintroduced, retired, scrapped, sold – foreign government, sold – historic, sold – nongovernment, sold – other federal, sold – state/local, and stolen) will update the item record in the IUID Registry.

4.4 The Contractor shall respond to the Production Management Specialist (PMS) within one business day of the Request for Assistance with the estimated delivery date of the critical item. In the event that a repairable item is required by the Government on an emergency basis to fill MICAP/Surge backorders, the Government PMS or Program Manager (PM) will notify the Contractor in writing via E-mail as soon as the need is identified. Follow-up assistance, if required, shall be provided by a suspense date acceptable to the Government.

4.5 The Contractor shall notify the Government in writing (Email) within three (3) business days of induction, items that are misidentified, misdirected, received incomplete, or missing components/subassemblies. For items received incomplete or missing components/subassemblies, the Government shall provide disposition to include a replacement for the missing item.

4.6 Overhauls

4.6.1 The Contractor shall induct units for overhaul within three (3) business days of receipt or a funded order, whichever is later.

4.6.2 Turn-Around Time (TAT) is measured from the Contractor's receipt of the item and funded delivery order, whichever is latest, to the time the asset is shipped back to the Government. TAT for repairs shall be ninety (90) days. Notification shall be provided to the government when long-lead time parts are required. In the event there is a need for long-lead time parts the contractor shall notify the government PCO within ten (10) days of induction. Mission Incapable Aircraft Parts (MICAP) requirements will take precedence over the routine schedule and shall be expedited to sixty (60) days.

4.6.2.1 There shall be no more than one late delivery per contract year. The Contractor shall notify the Government if the delivery of any asset will not meet the scheduled delivery date and negotiate a revised delivery date. The late asset shall be delivered by the revised delivery date acceptable to the Government.

4.6.3 Overhauls performed under this work specification include all actions necessary to return the items to a serviceable condition. An overhaul is considered successful and an item serviceable when the end item operates and efficiently serves its intended operational purpose in accordance with its system specification. The overhauled asset must be tested using the applicable technical data. All overhauls shall be complete before returning the item to the Government. The Contractor ISO 9001:2008- approved overhaul processes will ensure that all overhauled hardware meets the same performance standards as the original units to ensure that form, fit, function, and interchangeability are maintained for the length of the contract.

4.6.3.1 The Contractor shall document and ensure the time since overhaul data is set to zero using the Air Force Technical Order (AFTO) Form 95. The Contractor shall reference Technical Order (TO) 00-20-1 Aerospace Equipment Maintenance Inspections, Documentation, Policies and Procedures, dated 1 June 2018 for instructions to accurately complete the AFTO Form 95.

4.6.4 The Contractor shall provide, for the length of the contract, all necessary labor, materials, facilities and equipment required to analyze, troubleshoot, overhaul and test the assemblies and parts that are maintained or overhauled under this contract. These services also include alignment, adjustment, calibration, testing, movement, storage and reporting status related services to the overhaul and return of items to the users. The Contractor shall overhaul and perform all testing at the Contractor's facility.

4.6.5 The Contractor shall remain responsible for any actions associated with their subcontractors. When assets are overhauled at subcontractor facilities, the Contractor shall maintain asset visibility and tracking.

4.6.6 The Contractor shall ensure that best practices are implemented to maintain as a minimum, ISO 9001:2008, or equivalent, quality control standards. The Contractor shall maintain a system

to ensure each item is inspected, overhauled and tested in accordance with the engineering data currently being used or developed and approved under this contract. There shall be no more than one validated Product Quality Deficiency Report (PQDR) per contract year.

4.7 Any work performed above the negotiated overhaul price prior to notification to, and approval by, the Government will not be considered reimbursable.

4.8 Government Engineering Assistance

4.8.1 If there is an ambiguous procedure, incomplete procedure or missing repair process, the Contractor shall use the AFMC Form 202 to request engineering assistance.

4.8.2 The Contractor shall reference AFMCMAN 63-1201 Air Force Material Command Engineering Technical Assistance (ETAR) Process date 25 January 2018 for instruction.

4.9 Condemnation

4.9.1 If one or more of the below listed components can not be restored to acceptable tolerances or a new replacement can not be purchased or manufactured, the end item transmission is a condemnation candidate.

NSN	PN	Noun
1615-00-858-8397	204-040-359-1	Case Assy
1615-00-235-5472	205-040-231-5	Ring Gear Assy
1615-00-874-0857	204-040-353-23	Case Assy
1615-00-439-5600	212-040-054-1	Case Assy

4.9.2 The Contractor shall request condemnation authority via email through the Government PCO and Program Manager (PM). The Contractor shall specify the reasons of the request and provide a detailed narrative of actions performed to restore the component to acceptable tolerances in addition to efforts to purchase or manufacture a replacement.

4.9.3 With email authorization from the PCO and Program Manager (PM), the Contractor shall be authorized to retain all condemned items for use in cannibalization down to the Shop Replaceable Unit (SRU) level for use in the repair process.

4.9.4 Condemned items shall be disposed of and demilitarized in accordance with DoD Publication 4160.21-M-1 "Defense Demilitarization Manual."

4.10 Cannibalization

4.10.1 The Contractor is authorized cross cannibalization to fulfill high priority needs. The Contractor shall seek approval for cross cannibalization shall from the PCO and PM via email. The Contractor shall list components by PN and SN removed and used in the end item transmission assembly.

4.10.2 Removing parts, components, or subassemblies to aid in the repair of other units, shall not be reason for condemnation. Parts, components, or subassemblies used to aid in the repair of other units shall be replaced as they become available.

4.11 Transmission Assembly Serial Number (SN)

4.11.1 The Contractor shall notify the Government PM via email upon determination that any cannibalized parts used in another end item will alter the transmission assembly SN.

4.11.2 The Government Integrated Product Team (IPT) will determine the appropriate course of action if a SN change is required.

4.12 Replacement Parts shall be of at least the same quality of the Original Equipment Manufactured part.

4.13 The Contractor shall submit serviceable units to DCMA for Acceptance at Origin on a Material Inspection and Receiving Report (through Wide Area Work Flow).

4.14 Packaging: The Contractor shall package and mark material in accordance with the contract/order Air Force Materiel Command (AFMC) Form 158, Packaging Requirements, and applicable Government regulations.

4.15 Shipping

4.15.1 The Contractor shall ship overhauled assets within five (5) business days by fastest, traceable means after DCMA acceptance.

4.15.2 The Contractor shall package and mark end items and components in accordance with the contract (basic or order, as applicable) Air Force Materiel Command (AFMC) Form 158, Packaging Requirements; MIL-STD-129R, Department of Defense Standard Practice / Military Marking for Shipment and Storage; MIL-STD-130N, Department of Defense Standard Practice / Identification Marking of U.S. Military Property; and MIL-STD-2073-1E, Standard Practice for Military Packaging. The Contractor shall package and mark material in accordance with other applicable Government regulations including, but not limited to, those regarding security, safety and environmental concerns.

4.15.3 In accordance with MIL-STD-2073-1E, Standard Practice for Military Packaging, shipping containers received, which meet the requirements of the AFMC Form 158 and are suitable for return shipment of serviceable assets, shall be reclaimed and stored for reutilization. Unsuitable shipping containers shall be disposed of and replaced with new containers that meet the requirements of the AFMC Form 158.

4.15.4 Contractor is required to comply with all CAVAF requirements identified in the CDRLs and attachments to the contract. Contractor must include a DD1348-1 when serviceable assets are shipped. 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).” DCMA Quality Assurance Representatives (QARs) will not approve or sign the DD1348-1, but will ensure a DD1348-1 is included with each returned serviceable asset. If a DD1348-1 is not included with each returned serviceable asset, DCMA will not sign the receiving report (DD250).

5.0 General Information

5.1 Continuation of Mission-Essential Services During a Crisis: The Functional Commander or civilian equivalent has determined these services are not mission-essential and will not continue in the event of a crisis.

5.2 Security Requirements

5.2.1 All work shall be performed at the Contractor’s facility therefore no access to Government facilities is required.

5.2.2 Access to Government System(s): The Government will provide contractor/subcontractor personnel access to system(s) necessary to perform tasks under the contract/order. The Contractor shall ensure contractor/subcontractor personnel who require access to an unclassified or classified Government Automated Information System (AIS) have the respective background check or security investigation conducted. At a minimum, the Contractor shall ensure contractor/subcontractor personnel who require access to an unclassified AIS have a National Agency Check with Inquiries (NACI) conducted. Upon completion/termination of the contract/order or transfer/termination of contractor/subcontractor personnel, the Contractor shall ensure the system account(s) are closed.

5.2.4 Security Clearance: It is not expected contractor/subcontractor personnel will require security clearances for proper accomplishment of contract/order requirements. Contractor/subcontractor personnel shall not be authorized access to classified information and/or Controlled Unclassified Information (CUI) and classified items or be permitted to work on classified projects and/or programs without an appropriate security clearance and a need-to-know.

5.2.5 Security Incident or Violation: The Contractor shall immediately notify the Government Security Office of any potential or actual security incident or violation.

5.3 Environmental Management System (EMS): These services shall not be performed at a Government facility; therefore, the EMS requirement does not apply.

5.4 Agency Affirmative Procurement Programs: This acquisition does not require the purchase of Environmental Protection Agency (EPA)-designated products or United States Department of Agriculture (USDA)-designated products; therefore, the requirement does not apply.

5.5 Safety Requirements

5.5.1 Contractor Compliance: The Contractor shall comply with Government Safety and Health regulations including, Public Law 91-596 as amended by Public Law 101-552 [Occupational Safety and Health Act of 1970 (OSHA)] and DoDD 4715.1E, Environment, Safety, and Occupational Health (ESOH).

5.5.2 Mishap Notification/Investigation: The Contractor shall report mishaps including damage to DoD property; occupational illness to DoD military or civilian personnel; injury to on- or off-duty DoD military personnel; injury to on-duty DoD civilian personnel; and damage to public or private property or injury or illness to non-DoD personnel caused by Government operations. The Contractor shall ensure the Safety Office and the PCO are notified of mishaps. The Contractor shall contact the Multi Function Team (MFT) (COR, if available, or another MFT member) by telephone within one business day. The Contractor shall cooperate with Government safety investigations.

5.6 Inspection of Services: In accordance with the Inspection of Supply/Services clause(s) identified in the contract/order, the Government reserves the right to inspect Contractor performance.

5.7 Invoicing/Payment and Receipt/Acceptance: The Contractor shall submit/process payment requests and receipt/acceptance documents via WAWF.

5.8 Quality Control Plan/Quality Management System (QMS): The Contractor shall ensure the quality of services through a quality and/or inspection system. The Contractor shall maintain a Quality Control Plan (QCP) addressing detection of quality program problems and defects, identification of root causes for quality related problems/defects, correction of root causes related to detected problems/defects, and follow-up to ensure quality related problems/defects do not recur. 100% compliance with the QMS is required.

5.9 Trafficking in Persons: The Contractor shall comply in accordance with the FAR and applicable supplements and shall be in compliance with all applicable guidance and clauses listed in the contract as it relates to Trafficking in Persons. Additional information about Trafficking in Persons is available at the site for the Department of State's Office to Monitor and Combat Trafficking in Persons. <http://www.state.gov/j/tip>

6.0 Appendices

6.1 Appendix A, Reference(s)

Publication	Title of Publication	Date of Publication	Sections(s) that Apply
FAR and supplements	Federal Acquisition Regulation	https://www.acquisition.gov/	Sections applicable to contract and PWS
DoDD 4715.1E	Environment, Safety, and Occupational Health (ESOH)	March 19, 2005	Entire
Public Law 91-596 as amended by Public Law 101-552	Occupational Safety and Health Act of 1970	December 29, 1970 as amended through January 1, 2004	Entire
DoD Publication 4160.21-M-1	Defense Demilitarization Manual	18 August 1997	Entire
MIL-STD-129R	Department of Defense / Standard Practice / Military Marking for Shipment and Storage	15 December 2002 Change 1 - 15 January 2004, Change 2 - 10 February 2004, Change 3 - 29 October 2004, Change 4 - 19 September 2007 http://www.acq.osd.mil/log/sci/ait/MIL-STD-129PCH4.pdf	Entire
MIL-STD-130N	Department of Defense / Standard Practice / Identification Marking of U.S. Military Property	17 December 2007 Change 1 – 16 November 2012 http://www.acq.osd.mil/dpap/pdi/uid/docs/MIL-Std130N_Ch1.pdf	Entire
MIL-STD-2073-1E	Department of Defense / Standard Practice for Military Packaging	15 December 1999, Notice 1, 10 May 2002	Entire

TO 00-20-1		Aerospace Equipment Maintenance, Inspection, Documentation, Policies and Procedures	Entire
AFMCMAN 63-1201		Air Force Material Command Engineering Technical Assistance (ETAR) Process date 25 January 2018	Entire