

4/29/2004
Statement of Work
For
Technical, Engineering, Logistical Services and Supplies
In Support of Overhaul, Repair, and Recapitalization
of the AH-64 and H-47 Weapon Systems

1.0 Purpose

1.1 The purpose of this acquisition is to procure technical, engineering and logistical services and supplies to support Corpus Christi Army Depot (CCAD) and Research, Development, and Engineering Command (RDECOM) at CCAD in the overhaul, repair, and recapitalization of the AH-64/H-47 weapon systems. This effort is in support of all CCAD overhaul, repair, and recapitalization activities for the AH-64 and H-47 weapon systems.

1.2 Through this technical, engineering and logistical support, the combined AMCOM and CCAD goals are to reduce repair turnaround time (RTAT) and increase the reliability and quality of overhauled/repaired weapon systems.

1.3 This acquisition is designed to provide RDECOM at CCAD with engineering assistance based on Original Equipment Manufacturer (OEM) product design and logistics database. Included in this effort is the assistance in selective qualification testing of AH-64/H-47 components at CCAD for the purpose of introducing new repairs, processes, or methods. All changes, repairs, manufacturing planning, and new sources for flight safety part/critical safety items (FSP/CSI) must be coordinated with the Aviation Engineering Directorate, Huntsville.

1.4 This acquisition includes the provisioning of parts required to support Depot Level Overhaul, Recapitalization, and Repair Programs for both the AH-64 and H-47 as identified per attachments.

1.5 Through the collection of Reliability and Maintainability (R&M) data and monitoring of this data, The Boeing Company-Mesa, herein referred to as "the Contractor", shall provide information to RDECOM at CCAD and CCAD for AH-64/H-47 components being processed through CCAD. Contractor shall assist CCAD in identifying and tracking customer-centered performance measures focused on repair turnaround time, assuring the appropriate Contractor resources are available to recommend corrective action to improve RTAT and increasing reliability.

1.6 The contractor shall incorporate a team approach to engineering and technical support projects.

2.0 Program Management

2.1 A Program Manager shall be the single responsive focal point for organizing, administering, correlating, communicating, and integrating the tasks, costs, schedules, and other contract performance information for the successful completion of the objectives stated within this SOW.

2.2 The contractor shall have the responsibility for the establishment, documentation, surveillance, and control of program management procedures, and the use of program management tools for planning and controlling all contract tasks and resources.

3.0 Technical

3.1 RTAT Analysis. The Contractor shall prepare and submit an RTAT and Reliability Analysis on each overhaul/recapitalization program in Year 1 and all subsequent years as necessary IAW DIMISC-80508A

3.2 (CDRL A001). The RTAT analysis shall identify any impact to reliability if the recommendation is incorporated.

- Establish the average RTAT for each component
- Define the methodology used to calculate the RTAT
- Identify cycle time drivers
- Identify opportunities for cycle time reduction

3.2 The Contractor will perform process proofing type activities of their internal & separate quality/quality related processes - where those processes directly impact or interface with CCAD operations. This will include continuous participation on-site with CCAD to assure joint establishment of an effective preventive and corrective action program to identify, isolate and correct material/work process discrepancies. In addition, corrective action will extend to the site of manufacture for resolution of deficiencies occurring there. Such efforts may include investigation/analysis of service revealed deficiencies, and data analysis to determine root cause of deficiency(s), for correction of noncompliances to manufacturing/assembly requirements. Price will be developed on an individual basis and separately funded, negotiated, and contracted for. Written procuring activity approval is required before the contractor is authorized to proceed. The Contractor will maintain records which establish the effectiveness of these activities through documentation of corrective actions and analyses which periodically feed management reports to the Contractor & CCAD as well as direct future activities to areas of concern or risk. The Contractor will perform joint process proofing type activities of Contractor/CCAD quality/quality related processes: processes which impact or interface with CCAD operations and are jointly performed by the Contractor and CCAD. The Contractor will maintain records which establish the effectiveness of these activities through documentation of corrective actions and analyses which periodically feed management reports to the Contractor & CCAD as well as direct future activities to areas of concern or risk. The Contractor shall perform at a minimum, quarterly evaluations which analyze, on an overarching basis, the effectiveness of all process proofing activities with the results presented to the CCAD Commander or his designee at a meeting to be scheduled NLT 30 days following completion of each evaluation. CCAD & RDECOM Quality will be kept apprised of the schedule, and may at their discretion, participate. CCAD Quality & RDECOM Quality may, at their discretion, initiate and/or undertake separate or joint evaluations of any separate or joint Contractor/CCAD quality/quality related activities. Full support shall be provided as needed to accomplish these activities with timely responses & timely action taken as needed to ensure contract compliance. The investigation of PQDRs reporting nonconforming spares furnished to CCAD shall be identified separately from discrepancies that are found within the service facility. This will allow all effort expended during the PQDR investigations to be tracked independently from routine preventive measures that are initiated internally. Reliability and Quality analysis shall be based on data provided which includes but is not limited to the following sources.

- Field generated PQDRs
- Failure data generated by testing processes
- First pass yield percentages from testing activities

3.3 The Contractor shall develop work scope and process improvement recommendations to be utilized in the Depot Repair Procedures based on best commercial practices considering ongoing improvement initiatives at CCAD. Recommendations to include parts integrity and mix and match decisions as well as acceptance test experience following overhaul. Recommendations shall include anticipated impact on RTAT and Reliability. Recommendations shall be provided in written form IAW DI-MISC-80508A (A002).

3.4 The Contractor shall advise CCAD in establishing best commercial practices in the areas of production planning, production control, materials management, and process engineering in collaboration with other supporting OEMs and subcontractors. Contractor shall make recommendations to improve CCAD work and testing processes in accordance with the goal of increasing acceptance test pass rate. Recommendations shall be IAW DI-MISC-80508A (CDRL A003).

3.5 The Contractor shall provide recommendations IAW DI-MISC-80508A (CDRL A004) and technical support to depot AH-64/H-47 weapon system testing and support equipment maintenance practices, upgrades, and modernization initiatives. The Contractor shall also provide information and recommendations to support CCAD or AMCOM IMMC economic analysis. The Contractor shall work with CCAD to develop AH-64/H-47 Automated Test Equipment (ATE) projects.

3.6 The Contractor shall work with CCAD to address flight line issues and make recommendations because of findings.

3.7 The Contractor shall develop, in coordination with AMCOM and CCAD, a process alignment program. This program will be developed to enable CCAD and OEM to jointly incorporate the best manufacturing and repair procedures on AH-64/H-47 weapon systems. Recommendations shall be provided in written form IAW DI-MISC-80508A (CDRL A005).

3.8 The Contractor shall support CCAD with resolving special tooling, fixtures and test equipment needs, to include providing technical data and hardware when mutually agreed to by Contractor and CCAD. Services and supplies provided to CCAD shall be in accordance with approved ISO 9001:2000, ANSI-NCSL, Z540-1-1994, ISO 10012 or equivalents, applicable DMWRs, Technical Manuals, and/or appropriate industry standards.

3.9 At the request of CCAD, the Contractor shall provide AH-64/H-47 second-source testing capability to CCAD for specific AH-64 and H-47 components as identified in Section J, Attachment 0001 and 0002. Price will be developed on an individual basis and separately funded, negotiated, and contracted for. Written procuring activity approval is required before the Contractor is authorized to proceed. Contractor shall document the results of the test(s) IAW DI-NDTI-80809b (CDRL A006).

3.10 The contractor shall provide special process rework (i.e. shotpeening, plating, etc.) for parts where CCAD does not have, or has limited in-house capabilities. Items that will require special process will come from CCAD. Quantities and schedules for repair of these parts will be determined by CCAD or AMCOM, as required, to produce parts to support the CCAD AH-64/H-47

Production Line. Price will be developed on an individual basis and separately funded, negotiated, and contracted for. Written procuring activity approval is required before the contractor is authorized to proceed.

3.11 The contractor shall provide limited support to the Government in the qualification of the repair of AH-64/H-47 Critical Safety Items (FSP/CSI), including critical processes, IAW AMCOM Regulation 702-7. This may include support of the Government's efforts for limited coupon testing or engineering analysis for process certification.

4.0 Engineering

4.1 The Contractor shall provide RDECOM at CCAD with engineering analysis for IAED approval on any changes recommended pursuant to this contract to AH-64/H-47 depot repair processes and recapitalization initiatives. The analysis shall be prepared IAW DI-MISC-80508A (CDRL A008).

4.2 The Contractor shall work with RDECOM at CCAD in identifying, analyzing and recommending technical manual/data changes and improvements.

4.3 The contractor shall provide RDECOM at CCAD Engineering assistance for new repair engineering instructions and procedures for rework not otherwise covered under other contracts, such as Engineering Change Proposal (ECP) contract for H-47 and Post Production Sustainment Support (PPSS) contract for AH-64.

4.4 The Contractor shall participate in the coordination and oversight of all government AH-64/H-47 Project Engineering Instructions (PEIs) that RDECOM at CCAD provides to CCAD to demonstrate/verify developed repairs.

4.5 The Contractor shall work with CCAD and RDECOM at CCAD in identifying and analyzing Army data to support reliability and maintainability improvement programs, including recapitalization. The Contractor shall perform analysis and develop recommended overhaul process and configuration changes necessary to achieve continuous reliability improvement. The analysis shall be prepared IAW DI-MISC-80508A (CDRL A009).

4.6 The Contractor shall support a repair-engineering program that will identify, develop, qualify, and validate repairs for hardware in accordance with guidelines established by the RDECOM at CCAD office. The contractor shall assist RDECOM at CCAD with monitoring and evaluation of parts in the Storage, Analysis, Failure Evaluation and Reclamation (SAFR) facility to identify new candidates for repair engineering projects.

4.7 The Contractor shall assist CCAD and RDECOM at CCAD in developing depot procedures, with respect to aircraft, contractor recommended new repairs and new processes, but not facilities, to eliminate or minimize asbestos containing material; Ozone Depleting Chemicals, EPA listed Hazardous Air Pollutants, EPA 17 Chemicals, Volatile Organic compounds, Chemicals on the EPCRA 302 and 313 lists.

5.0 Logistical

5.1 Background

5.1.1 Logistical effort includes parts support, complete services required to manage continual pre-positioning of AH-64 and H-47 parts that are required by the depot's overhaul/recapitalization process. Technical services to be provided shall be focused on CCAD's Pre-Shop Analysis (PSA) and Contractor efforts to best utilize the pre-positioned assembly material.

5.1.2 Usage will determine depot overhaul factors for these parts in support of the AH-64 and H-47 weapon systems. Furthermore, consumption data will set the foundation for subsequent replenishment based on CCAD/Contractor acquired knowledge of production line demand rates. By combining this acquired knowledge with Contractor visibility of factory production lead times, replenishment of parts for draw-out by CCAD personnel is assured.

5.1.3 Once Government-furnished parts are drawn out of the facility, new orders will be placed for replenishment by the contractor. The new parts will arrive at and be stored in the warehouse facility managed by the Contractor. CCAD will take ownership of material when released from the warehouse.

5.2 Requirement

5.2.1 The Contractor shall be responsible for assuring the correct parts are available for CCAD production. The Contractor shall manage the parts, develop replenishment rates beyond the government-furnished material, and assure the best interests of both CCAD and the Contractor are maintained. This process ensures the best pre-positioning decisions on behalf of both the government and Contractor.

5.2.2 Contractor shall work in conjunction with PSA personnel to integrate the parts into depot repair operations. Contractor shall provide on-site personnel to serve as the focal point(s) for AH-64 and H-47 material and logistic services. This service may also be extended to include On Condition Maintenance (OCM), Crash Damage, and AH-64 and H-47 Recapitalization initiatives. Additionally, the Contractor may be required to assist PSA evaluation of crash-damaged aircraft off-site.

5.2.3 The contractor shall institute a process to comply with QE-STD-1 and QE-STD-2. The contractor may submit plans and processes to be evaluated as equivalent to QE-STD-1 and QE-STD-2. The contractor shall supply FSP/CSI's from approved and tested sources. All contractor recommendations to CCAD's overhaul/repair/recapitalization production processes involving flight safety/critical safety items must be aware of frozen planning and record keeping requirements.

5.2.4 The Contractor shall establish and implement approved procedures to the Contracting Officer to receive, inventory, safely and securely store, assemble/package, prepare for Government pickup, issue, replenish and restock AH-64 and H-47 parts. Additional Contractor responsibilities shall include receipt, inventory management, storage, assembly/package of material, delivery preparation, issue, and restocking of AH-64 and H-47 parts. In the procedures, the Contractor shall include the recommended process for CCAD artisans and production controllers to draw material and to requisition the appropriate material configuration. The Contractor shall identify, define, and deliver all workstation packages applicable to the AH-64/H-47 in accordance with CCAD production schedules. A workstation package is a material configuration per workstation that derives the most efficient and economical mix of parts. The Contractor shall provide the workstation package IAW DI-MISC-80508A (CDRL A010). The package configuration is based on the current DMWR output configuration. The Contractor shall

maintain a workstation package warehousing plan IAW DI-MGMT-80004 (CDRL A011) to support CCAD production schedules. This warehousing plan is subject to Government approval.

5.2.5 Upon initial contract award, it is anticipated that the contractor will not be able to provide 100 percent of parts but will establish cut-in dates based on lead times. Therefore, the contractor shall directly communicate and coordinate with "all sources of supply", i.e. AMCOM, DLA, CCAD, etc., in order to conduct gap analysis. The contractor's role as material integrator will expand in scope as added to the partnership. The contractor will serve as central point of contact and lead on all material requirements as identified in Section J, Attachments 0001 and 0002. As Material Integrator, the contractor shall communicate and coordinate with all sources of supply, maintaining a central database/record to determine gaps between required material delivery dates and estimated delivery dates in support of the AH-64 and H-47 program/production lines. The Material Integrator shall report to AMCOM and CCAD all gaps in expected delivery and all risks to CCAD production as a contract deliverable on a monthly basis IAW DI-MISC-80508A (CDRL A007). The Material Integrator shall attend all government program reviews and working sessions to report gaps and production risks. The analysis and reviews shall include all steps that are being taken to reduce lead times and gaps in material delivery.

5.2.6 The Contractor shall monitor, track, and record for depot status, the AH-64 and H-47 structural material requisitions during factory manufacture. The Contractor shall coordinate shipment from the factory to receipt at the warehouse. The Contractor shall receive AH-64 and H-47 materials into the warehouse.

5.2.7 The Contractor shall prepare and submit inventory status reports. As a minimum, each report shall clearly summarize the inventory status for all material in the warehouse; identify current month and cumulative quantity demands (requisitions), issues, due-ins, and usage factors or rates. The Contractor shall prepare the reports IAW DI-MISC-80508A (CDRL A013). The Contractor shall clearly define and mark all assembly/package contents on boxes and crates to include identifying synthetic part numbers. The Contractor shall provide CCAD a supplemental cross-reference book containing diagrams of assemblies/packages and assembly/package contents and associated part numbers.

5.2.8 The Contractor shall safely and securely store material within the warehouse IAW the Contractor's environmental, health, and safety policies and procedures as identified in warehousing plan.

5.2.9 The Contractor, upon notification from CCAD Production Control, shall stage assemblies and packages specific to the Program Control Number (PCN) undergoing repair or overhaul at the depot for each stage of production. Material assembling/packaging will include removing parts from storage, and grouping parts into assemblies/packages.

5.2.10 The Contractor shall provide unique major structure material handling equipment for material movement within the warehouse (e.g., forklifts and related safe-handling equipment), and transportation devices (e.g., cradles designed for transporting large structural assemblies).

5.2.11 The Contractor shall prepare the correct assembly/package for transportation, issue, and Government pickup. Preparation includes placing the assemblies in appropriate transportation device(s), staging the assembly in an appropriate forklift accessible area within and/or adjacent to the warehouse, and documenting the material issue to the Government. The Government is responsible for material movement between the warehouse and the CCAD workstation.

5.2.12 The contractor shall maintain flexible warehousing hours of operation to accommodate CCAD production work schedules as stipulated by the Contracting Officer Representative.

5.2.13 The Contractor shall provide and maintain a contract performance plan IAW DI-MGMT-80004 (CDRL A014).

5.2.14 Each part or material package supplied by the Contractor shall identify asbestos, Ozone Depleting Chemicals, EPA listed Hazardous Air Pollutants, EPA 17 Chemicals, Volatile Organic Compounds, Chemicals on the EPCRA 302 and 313 lists in 12-point characters on the outside of the package.

5.2.15 The Army Maintenance Management System – Aviation (TAMMS-A)

Publications required to complete the forms and records are:

- DA PAM 738-751
- TB 1-1500-341-01
- TM 1-1500-328-23
- DA Forms 2410
- DD Forms 1574/1574-1
- DD Forms 1577/1577-1
- DD Form 1577-2
- DD Form 1577-3

Upon award of the contract, these Manuals/Forms shall be requested from the Contract Officer on DA Form 4790R.

For each item listed in TB 1-1500-341-01 (Aircraft Components Requiring Maintenance Management and Historical Data Reports) which is to be delivered to the Army under this contract, the contractor shall initiate and/or complete all TAMMS-A forms and records per DA PAM 738-751 (Functional Users Manual for the Army Maintenance Management System – Aviation (TAMMS-A)). This includes all TAMMS-A forms and records required for each component(s) and/or part(s) listed in TB 1-1500-341-01 that is in/on the final assembly.

DA Form 2410, Component Removal and Repair/Overhaul/Gain/Installation/Loss Record. This form is required IAW DA Pamphlet 738-751 and TB 1-1500-341-01. If the item(s) being procured has a later Part Number (PN) than the same item listed in the TB, a DA Form 2410 is still required. Preparation and disposition of this form is outlined in DA Pamphlet 738-751.

The following are required forms for procurement of NEW COMPONENT contracts:

DA Form 2410 copy 1 – Contractor may retain for his information or discard.

DA Form 2410 copy 2 – This shows the gain of a new item(s) to the Army inventory. Copy 2 shall be sent to AMCOM as addressed below.

DA Form 2410 copy 3 – This shows installation/loss of an item(s). This copy shall be put into a waterproof container and attached to the item for shipment.

DD Form 1574/1574-1, Serviceable tag/label-materiel. Attach yellow tags/labels to components/module and shipping container after repair/overhaul, or production to show item is serviceable.

All copy '2's of the DA Form 2410s are to be forwarded to: Commander, U.S. Army Aviation and Missile Command (AMCOM), ATTN: AMSAM-MMC-MA-NM, (DA Form 2410), Redstone Arsenal, Alabama 35898-5230 or FAX (256) 876-3574 at time of shipment. The copy '3' is to remain with the component/part until it is installed on the next higher assembly. After installation, the copy '3' should be sent to AMCOM. A log containing the serial number, part number, DA Form 2410 control number, and copy number for all DA Form 2410s shall be maintained by the contractor. A copy of this log covering all DA Form 2410 transactions from the time of the previous transaction report or start of the contract to time of delivery, shall be made available to the QAR prior to the DD-250 signing. Once verified by DCMA, the contractor shall FAX or e-mail the log along with a copy of the DD-250 to AMCOM.

All DA Form 2410s forwarded to AMCOM for each new item, and/or item repaired, overhauled, or modified shall be checked by the Government for errors. All DA Form 2410s with errors will be returned to the contractor for correction within ten (10) workdays of receipt. The contractor shall correct the DA Form 2410s and return to AMCOM within ten (10) working days after receipt. Once verified by DCMA and concurrent with DD-250 signing, the contractor shall FAX or e-mail the DA Form 2410s along with a copy of the DD-250 to AMCOM.

The method of shipment of DA Form 2410s must be traceable so that the package can be tracked in case the shipment is not received by AMCOM.

The following forms are required forms and records for MAINTENANCE REPAIR/OVERHAUL/ MODIFICATION COMPONENT contracts:

DA Form 2410 Copy 1 – To show removal of item(s). When item is received for repair/overhaul this copy will not be with item. This copy 1 is prepared by the activity that removed the component from the next higher assembly. Copies 2 and 3 should remain with the item. When item(s) are disassembled for repair/overhaul and there are internal DA Form 2410 tracked parts the contractor shall complete copy one for the removal of each tracked component removed from the end item. That copy one will be forwarded to AMCOM. Copy two & three will be attached to the component being removed.

DA Form 2410 Copy 2 – To show repair/overhaul of item(s). This copy shall be completed when repair/overhaul is finished. The backside shall be filled out to show what parts were replaced during repair/overhaul. When an item is repaired/overhauled with internal DA Form 2410 tracked parts and the tracked part is not serviceable and has to be replaced, a copy 2 shall be completed to show a gain of the new item to the Army inventory to be installed in the item repaired/overhauled.

DA Form 2410 Copy 3 – To show installation/loss of item(s). Once the item(s) is repaired/overhauled, this copy shall be put into a waterproof container and attached to the item for shipment. When internal DA Form 2410 tracked parts are installed, this copy shall be completed to show their installation of each item. When item(s) are not serviceable, this copy is filled out to show the loss of the item to the Army inventory.

Detailed preparation and disposition instructions for each form and tags/labels are outlined in DA Pamphlet 738-751.

DA Form 2408-16, Aircraft Component Historical Record. This form shows historical data for selected aircraft and engine Time Change (TC), Retirement Change (RC), and Condition Change (CC) component(s)/ module(s), and part(s) that are removed and replaced at specified aircraft

operating hours, specified component operating hours, specified component starts. Ship with the component(s)/module(s).

DD Form 1574/1574-1, Serviceable Tag/Label-Materiel. Attach yellow Tags/Labels to component/module and shipping container after repair/overhaul, or production to show item is serviceable.

DD Form 1577/1577-1, Unserviceable (Condemned) Tag/Label-Materiel. Attach Red Tags/Labels to component/module to show item is unserviceable and will be destroyed.

DD Form 1577-2 and 1577-3, Unserviceable (Repairable) Tag/Label-Materiel. Attach green Tags/Labels to component/module to show item is unserviceable but repairable.

All copy '2's of the DA Form 2410s are to be forwarded to: Commander, U.S. Army Aviation and Missile Command (AMCOM), ATTN: AMSAM-MMC-MA-NM, (DA Form 2410), Redstone Arsenal, Alabama 35898-5230 or FAX (256) 876-3574 at time of shipment. The copy '3' is to remain with the component/part until it is installed on the next higher assembly. After installation, the copy '3' should be sent to AMCOM. A log containing the serial number, part number, DA Form 2410 control number, and copy number for all DA Form 2410s shall be maintained by the contractor. A copy of this log covering all DA Form 2410 transactions from the time of the previous transaction report or start of the contract to the time of delivery shall be made available to the QAR prior to the DD-250 signing. Once verified by DCMA, the contractor shall FAX or e-mail the log along with a copy of the DD-250 to AMCOM.

All DA Form 2410 copy '2's forwarded to AMCOM for each new item, and/or item repaired, overhauled, or modified will be checked by the Government for errors. All DA Form 2410s with errors will be returned to the contractor for correction within ten (10) workdays of receipt. The contractor shall correct the DA Form 2410s and return to AMCOM within ten (10) working days after receipt. Once verified by DCMA and concurrent with DD-250 signing, the contractor shall FAX or e-mail the DA Form 2410s along with a copy of the DD-250 to AMCOM.

If DA Form 2410 assistance is required, contact AMCOM, AMSAM-MMC-MA-NM by one of the following methods:

Telephone:	DSN 897-1658, Commercial 256-313-1658
DATAFAX:	DSN: 746-3574, Commercial 256-876-3574
E-mail:	tamms-a@redstone.army.mil

All forms, tags, and manuals will be supplied by the Government Contract Officer upon award of this contract. The Contractor shall complete and send DA Form 4790-R to the contracting Officer to obtain all forms, tags, and manuals they need to meet the contract requirements. This DA Form 4790-R, shall be obtained from the Contracting Officer.

Submit data in accordance with DI-ALSS-81529 (CDRL A015).

5.2.16 The Serial Number Reporting Requirement (SNRR)

This SOW applies to items identified as Flight Safety Parts (FSP/CSI)/Critical Safety Items (FSP/CSI) (ref. currently contracted Boeing FSP/FSP/CSI documents (145-PJ-002 Rev. J dated 19 November 2002), or items identified in Government document TB1-1500-341-01 dated 27 March 2003. The SNRR is a reporting requirement for serial number assignment/approval.

In order for the contractor to fulfill the requirements of this SOW, it will be necessary for the contractor to have or initiate serial number controls for each designated item and follow the reporting as instructed below or according to government approved alternate instructions. This serial number control/reporting requirement applies to the end item(s) to be delivered under this contract and to any components of the end item(s) required to be serialized by this contract whether produced by the contractor or a subcontractor. If subcomponents are Government Furnished Parts (GFP), no reporting is required.

In the event this contract prescribes activities such as; maintenance, overhaul, inspection, repair, test or modification of items, and no reserialization or part number change is required on the end item, and no new subcomponents requiring serialization are produced either by the contractor, or any subcontractor, then there is no reporting requirements under this SOW.

In the event the contractor does not have a serial number development and assignment system for specific part number, the contractor may recommend serial numbers or submit a request that serial numbers be assigned by the government as part of a contract.

Supplier serial number prefixes to be utilized shall be provided prior to assigning the item(s) a serial number. This list and revisions shall be submitted to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NM (SNRR), Redstone Arsenal, Alabama 35898-5230, E-MAIL: snrr@redstone.army.mil or FAX (256) 876-4904 with copies of the transmittal document and data furnished to the cognizant Administrative Contracting Officer.

Simultaneously with each delivery of the designated items under this contract, the contractor shall submit a copy of the DD-250 to DCMA QAR which is used to accept delivery of the aircraft items and which will contain a list of all serial numbers of the accepted items. The content of submission is as follows:

- a. Serial numbers
- b. Contract Number (include Delivery Order and Shipment Number)
- c. Contractor's Name
- d. Commercial and Government Entity (CAGE) Code
- e. National Stock Number
- f. Part Number
- g. Nomenclature
- h. Model

The contractor shall assign unique serial numbers to the items delivered under this contract. The contractor shall not use serial numbers that have previously been used for an item with the same base part number nor shall the contractor reuse a serial number assigned to items delivered under this contract for any subsequent production or delivery of items having the same base part number.

Submit data in accordance with DI-ALSS-81530 (CDRL A016).

6.0 Environmental

6.1 The Contractor and its first tier subcontractors shall comply with all applicable federal, state, and local environmental statutes and regulations for all activities defined in

the SOW. The contractor and its first tier subcontractors shall use National Aerospace Standard (NAS) 411 as a guide for implementing a Hazardous Material Management Program (HMMP). The contractor shall update the current Hazardous Material Management Program Plan and submit IAW DI-MGMT-81398 (CDRL A018).

6.2 The contractor shall maintain company/corporate environmental policies and procedures that describe the manufacturing processes utilized by the contractor to comply with existing applicable pollution prevention and hazardous material management requirements. The contractor shall provide the government, through the agency of Defense Contract Management Agency (DCMA), the ability to review the existing policies and procedures. The DCMA shall not have approval authority nor input to the creation or modification of company/corporate policies or procedures.

6.3 The use of toxic chemicals, hazardous substances shall be avoided or minimized in the operation, repair and maintenance of the equipment and its components, whenever feasible. The contractor and its subcontractors shall not use Class I and should avoid or minimize the use of Class II Ozone Depleting Substances (ODSs). The contractor's systems engineering process shall ensure that Class I ODSs are not required and that Class II ODSs are avoided or minimized.

6.4 The Contractor and its first tier subcontractors shall report hazardous materials (HAZMATs) which travel with the weapon system, parts, or other deliverables to the Government with special emphasis on the Environmental Protection Agency (EPA) list of 17 toxic chemicals as well as the DOD top 10 toxic Release inventory (TRI) List of Hazardous Chemicals. The contractor shall update the HMMP Progress Report and submit IAW DI-MISC-81397 (CDRL C017).

6.5 When EPA 17 or DOD top 10 TRI listed hazardous materials are identified, the contractor shall conduct an alternative materials and alternative process opportunity assessment to determine the availability of possible substitute materials and feasibility of using an identified alternative.

6.6 Contractor shall assist CCAD and AMCOM EELO with recommending replacement part material, process chemicals, and procedures for all asbestos containing materials, ozone depleting chemicals, EPA listed Hazardous Air Pollutants, EPA 17 Chemicals, Volatile Organic Compounds, Chemicals on the EPCRA 302 and 313 list. (All actions with respect to this paragraph will be priced separately.)

7.0 CCAD Responsibilities

7.1.1 CCAD will provide a network access for use by the contractor at the warehouse facility.

7.1.2 CCAD will utilize and maintain its existing depot facilities in performing the AH-64/H-47 weapon systems Depot Overhaul work except for circumstances as described in SOW paragraph 3.9. CCAD shall also make available to the Contractor employees environmentally controlled

work/office areas. The government will provide telephone, fax, and network access to accommodate on-site personnel.

7.1.3 CCAD will provide adequate storage space to receive and store material and Structural Repair Assemblies. This space will be a protected and secure area.

7.2 Manpower

7.2.1 CCAD will provide the overall shop management and labor for work at CCAD to perform AH-64/H-47 weapon systems overhaul and repair.

7.3 Production Systems

7.3.1 CCAD will utilize its own production systems to manage and track the AH-64/H-47 weapon systems overhaul/recapitalization processes.

7.4 Production Scheduling/Shop Loading

7.4.1 CCAD will develop, implement, and provide to Contractor, the depot production schedule and shop loads to meet AH-64/H-47 weapon systems overhaul/ recapitalization requirements.

7.5 Production Performance

7.5.1 CCAD will be responsible for meeting AH-64/H-47 weapon systems production delivery schedules.

8.0 CCAD/Boeing Joint Responsibilities

8.1 Performance Metric Management

8.1.1 Jointly, CCAD and Contractor shall review depot overhaul performance metrics and identify corrective actions to reduce production schedule risks, increase depot production capacity, and improve product reliability.

8.2 Interface to Industrial & Financial Systems (IFS) is a requirement under this contract. CCAD will provide necessary access to IFS for the purpose of production planning, inventory management, warehouse transactions, and interface to CCAD systems.

9.0 RDECOM/AMCOM Responsibilities

9.1 Product/Depot Engineering: The RDECOM Quality will analyze contractor reports of process proofing activities and corrective actions along with comments and recommendations provided by CCAD. In addition, the

AMRDEC may attend quarterly status meetings provided to the CCAD Commander. The conclusions derived from these as well as the CCAD recommendations may result in RDECOM Quality, in cooperation with CCAD Quality, at their discretion, initiating and/or undertaking separate or joint evaluations of any separate or joint contractor/CCAD quality/quality related activities.

9.1.1 RDECOM at CCAD will maintain configuration control of the AH-64/H-47 aircraft component overhaul process. RDECOM at CCAD will participate in process and configuration change evaluations as required. RDECOM at CCAD shall perform routine depot engineering support and manage the SAFR program.

10.0 AMCOM/CCAD/Boeing Responsibilities

10.1 Initial Provisioning Conference will be held at the start of the contract to determine material position for each of the piece part of the weapon systems. Quarterly in process review for the total program shall be held at either CCAD or AMCOM.