

**EXPRESS  
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## 1.0 INTRODUCTION

The purpose of this Statement of Work (SOW) is to set forth the logistics support requirements for the U.S. Army Aviation and Missile Command (AMCOM) and its customers' managed systems/equipment/technology, hereinafter referred to as the Army. A current list of categories and representative examples of Army missions is included in Attachment 02.

## 2.0 SCOPE

The contractor shall provide all labor, incidental materials, and other services necessary to perform the requirements specified herein, including the documentation of these efforts. The contractor shall perform special logistics analyses that embrace the total logistics/maintenance operations of Army managed/supported systems, independent analyses, and shall formulate and recommend alternative solutions to logistics problems. In the execution of these efforts, the contractor shall evaluate, analyze, critique, and/or assess the technical aspects of work performed. The contractor shall provide life cycle logistics activities to include: performance based logistics support, unique item identification support, training plan support, Human Systems Integration (HSI) strategy support, manpower estimate support, interoperability support, product support planning and capability support, integrated scheduling support, asset and property management support, and special kits, outfits, sets, tools, measurement and diagnostic equipment support. In addition, the contractor shall perform cost estimating efforts based on data to be furnished by the Government.

The contractor may be required to perform services at its own facility (off-site) or at a duty station at any U.S. Government facility or other designated facilities (on-site) within the Continental US (CONUS) or outside the Continental US (OCONUS), as specified by individual task orders.

The contractor shall have the capability to provide logistics support required by this Statement of Work in the event of a deployment, whether contingency or for training purposes. In providing the support required by this SOW in a deployed status, the contractor will be required to abide by the rules of engagement, policies and procedures established for the particular operation supported.

The contractor shall provide logistics support covering all twelve (12) IPS elements defined by the AR 700-127 (11 Oct 2016), paragraph 2-2:

- (1) Product support management.
- (2) Design interface.
- (3) Sustaining engineering.
- (4) Supply support.
- (5) Maintenance planning and management.
- (6) Packaging, handling, storage, and transportation.
- (7) Technical data.

- (8) Support equipment.
- (9) Training and training support.
- (10) Manpower and personnel.
- (11) Facilities and infrastructure.
- (12) Computer resources.

### **3.0 LOGISTICS FUNCTIONAL SPECIALTY AREAS**

The contractor shall provide Integrated Product Support (IPS) to facilitate development and integration of the individual logistic support elements in the following areas:

**3.1. IPS PRODUCT SUPPORT MANAGEMENT:** The contractor shall provide analytic/logistic expertise to support planning and management of cost and performance across the product support value chain, from design through disposal. It includes development and implementation of product support strategies to ensure supportability is considered throughout the system life cycle. Representative activities may include but not limited to:

- a. Provide integrated logistics support input, advice, and recommendations for the International, Co-Production, and Foreign Military Sales (FMS) programs.
- b. Provide the following field support maintenance engineering services:
  - (1) Review and provide input and recommendations for provisioning efforts resulting from proposed and approved engineering changes related to operation safety and maintenance of fielded equipment IAW SAE GEIA-STD-0007.
  - (2) Perform maintenance engineering analysis of field reports.
  - (3) Analyze equipment improvement reports to correct deficiencies or malfunctions.
  - (4) Review and recommend the establishment of maintenance allocations and maintenance support criteria.
  - (5) Review and evaluate Product Support Analysis/Record (PSA/PSARs) data and make recommendations for improvement.
  - (6) Perform evaluations and investigations of system IPS efforts and make recommendations for the reduction of operation and support (O&S) costs.
  - (7) Review readiness rates and provide recommendation for improving field readiness posture.
  - (8) Provide inputs and recommendations for the materiel fielding process.

(9) Contribute to Modification Work Order (MWO) fielding team field support readiness team.

c. Provide the following Field Support Engineering and Analysis Services:

(1) Review and provide recommendations in the establishment of economical repair limits for end items and secondary items.

(2) Provide expertise to the Continuous Technology Refreshment (CTR) programs and provide input and recommendations for the development and implementation of CTR actions. These actions shall focus on complementing and enhancing the supportability cost reduction initiatives through technology insertion/upgrades.

(3) Review and provide recommendations in the establishment of the reclamation, fabrication, demilitarization, or depot maintenance production line procedures.

(4) Review and provide recommendations for the update of test programs and adapters for use with Depot Maintenance Plant Equipment (DMPE).

(5) Perform sample data collection and analysis.

(6) Research and analyze maintenance procedures, policies, and regulations and provide recommendations for improvement.

(7) Update and maintain logistics related databases.

(8) Perform logistics value engineering analyses and develop recommended implementation proposals.

(9) Review and evaluate logistics suggestions.

d. Provide maintenance engineering services in support of materiel changes and modification on fielded systems to include efforts required in conjunction with implementation of materiel change after change approval. Representative activities include:

(1) Prepare draft MWO fielding plans which shall be prepared IAW AR 750-10, to include estimation of MWO application costs by Department of the Army (DA) or contractor personnel, and the establishment and maintenance of MWO accomplishment records.

(2) Verify MWO manuscripts, technical procedures, modification kits, and other associated/related items; verify/review all documentation/drawings associated with the change activity to include parts lists, schematics diagrams, specifications; prepare (in

draft format) MWO Fielding Plan (MWOFP) and MWO Memoranda of Agreement (MOA) between AMCOM and major Army commands receiving the modification, and provide input and advice to MWO installation teams.

(3) Review reports from the field regarding allocation of repair parts, recommended stockage level changes, and provide inputs and recommendations to provisioning reviews and conferences.

(4) Review Engineering Change Proposal (ECP) packages for feasibility, i.e., investigate and analyze the need for the ECP as compared to the total impact on logistics, safety, cost, and system readiness. The contractor shall make recommendation for approval/disapproval to Configuration Control Board members.

(5) Review Technical Data Package (TDP) and/or Depot Maintenance Work Requirements (DMWRs):

(a) Review existing drawings to detect errors in parts list, next higher assembly designations, ECP incorporation, and maintenance data to assure accuracy to support manufacture maintenance use.

(b) Evaluate and recommend revisions to specifications or drawings to support the fabrication or procurement of TPSs, special test equipment or contractor maintenance.

(c) Ensure Unique Identification (UID) has been addressed in TDPs/DMWRs of UID-candidate parts.

e. Review and evaluate Equipment Improvement Recommendations (EIR)/field reports and provide recommendations on corrective action with complete supporting rationale.

f. Review, verify, and reconcile logistics data. Representative data includes:

(1) The data/databases associated with Provisioning and/or Maintenance Logistics, including unclassified electronic data processing files of the Logistics Modernization Program (LMP) or other automatic processing systems (ADPSs) for which AMCOM/PEO has responsibility to ensure accuracy and completeness. These data files include the PBOM, the Modification Work Order Accomplishment System (MWOAS), the depot maintenance files and the PSAR.

(2) New data/records for the establishment of a new manual or a computer record system.

g. The contractor shall perform and/or provide input and recommendations in the following representative activities:

(1) Provide input for provisioning records containing all required data resulting

from repair part changes IAW AR 700-18 and SAE GEIA-STD-0007 as reference and “information only.”

(2) Provide input and/or recommended updates for records on Sets, Kits and Outfits (SKOs) and supply catalogs (SCs) IAW MIL-STD-40051-1 and/or -2.

(3) Provide input and/or recommended updates for Depot Maintenance Plant Equipment (DMPE) listings by system and depot.

(4) Provide input and/or recommended updates for depot maintenance analyses, to include CLA, CDA and APSA.

(5) Review, reconcile and provide recommended updates/corrections for system-related PBOM records using SAE GEIA-STD-0007, AR 700-82 and AMC PAM 700-25 as reference and “information only.” Correct the following representative data elements: source, maintenance, and recoverability (SMR) codes, overhaul factors, failure factors, demilitarization (DEMIL) code, essentially codes, interchangeability codes, part number standardizations, drawing numbers, indenture codes, and next higher assembly coding.

(6) Review, analyze and verify parts data consistency between engineering drawing parts lists, the PBOM and the overhaul consumption data to validate depot maintenance parts requirement lists by system.

(7) Provide input and/or recommended updates for Mandatory Parts List (MPL) against approved engineering changes.

(8) Review preliminary maintenance allocation charts (PMACS) against applicable PBOM to detect and report inconsistencies and errors between the two.

(9) Provide input and/or recommended updates for LSAR data.

(10) Provide input and/or recommended updates for MWOs.

(11) Provide input for data/records on existing and future deliveries of AMCOM-managed ammunition data cards, DD Form 1650 for use in Government computer systems.

(12) Provide input, update, verify data and perform evaluations and analyses of Deficiency Reports data and warranty data in the appropriate approved database. Access, review and evaluate related information in other databases to provide pertinent data for component analysis.

(13) Monitor changes to the PBOM to ensure an adequate configuration control plan is maintained. Evaluate and verify the End Item (EI) or the Next Higher Assembly (NHA) by the assignment of Useable On Codes (UOC) or Serial Number effectivity for clarity of Repair Parts applications and for the requisitioning of items in the Repair Parts

and Special Tools List (RPSTL) technical parts manuals.

(14) Evaluate the accuracy of failure factors. Failure factors shall be identified using AMC PAM 750-5 and AMCOMR 750-2, as reference and information only, and provided for Government review and acceptance.

(15) Provide inputs, advice, and recommendations for Product Support Integrated Master Schedule.

(16) Provide inputs, advice, and recommendations for type classification. Develop and provide draft type classification package.

(17) Provide inputs, advice, and recommendations for type classification material release. Develop and provide draft material release package.

(18) Provide inputs, advice, and recommendation for Property Accountability, to include Government owned non-fielded, Government Furnished, Contractor Acquired, and fielded Property. Be familiar with the Government Accountable Property Systems of Record.

(19) The contractor shall support and participate in engineering design reviews, participate in diagnostics strategy meetings, develop IPS assessments for specific elements of IPS, participate in IPS meetings, program reviews and other related logistics meetings and events for the specified systems and prepare logistics support package analysis.

(20) The contractor shall research, prepare and recommend updates to the LCSP and other Acquisition support plans for IPS. The contractor shall prepare drafts of specific logistics acquisition documents as contained within the DOD 5000 series regulations, following the requirements of the applicable regulations and pamphlets, as identified by the individual TOs.

(21) The contractor shall provide support for preliminary planning, analysis, financial management, draft IPS master schedule, and associated work for the individual logistics support elements throughout the life cycle of the assigned systems.

(22) The contractor shall provide logistics scheduling support for specified systems. This shall include Microsoft Project Gantt Chart development, linking and Integrated Master Scheduling activities for specified systems.

(23) The contractor shall provide analyses and studies to assess initiatives, readiness, field issues, acquisition logistics, obsolescence or other logistical studies to include, but not limited to the following:

- (a) Army Transformation, Velocity Management, and Logistics Initiatives
- (b) Condition Based Maintenance



- (c) Logistics Management Information
- (d) Basis of Issue Plans (BOIP) Feeder data/Data Interchange
- (e) Manpower Requirements Criteria (MARC)
- (f) Program/Manpower Estimate Report (MER)
- (g) Maintenance Allocation Chart (MAC)

(24) The contractor shall provide property audit assistance support to the Government. The contractor shall support the Government with audibility support for all property for specified systems. The contractor shall participate in a quarterly mini-audit with the Government to review and update property records.

(25) The contractor shall provide input to and analysis of UID deliverables to ensure UID-marking is occurring for applicable items. Compare deliverable data to DoD IUID Registry data to ensure complete and accurate data is submitted to the DOD IUID Registry.

h. Provide support to special Logistics Data Management projects. Representative activities include:

(1) Provide input and/or recommended updates for PMACs and maintenance allocation charts (MAC).

(2) Review support list allowance card (SLAC) lists/decks against weapon system's databases.

(3) Provide input and/or recommended updates for weapon system basic issue items lists (BIIL) against weapon system's databases.

(4) Prepare draft briefing charts and provide contributions to pre-briefing reviews.

(5) Provide input and/or recommended updates for maintenance float IAW AR 750-1.

(6) Prepare outline of recommended technical requirements for test equipment to support system maintenance at depots.

(7) Prepare recommendations to reduce O&S costs.

(8) Perform validation of maintenance procedures.

(9) Perform logistical, technical, and physical inspection of equipment at Continental United States (CONUS) or outside Continental United States (OCONUS) locations.

(10) Perform verification of repair level analysis and prepare recommended source, maintenance, and recoverability code changes.



(11) Perform evaluations and analysis of data obtained by sample data collection (SDC) programs.

(12) Provide data input and perform evaluations and analyses of Deficiency Reports data and warranty data.

(13) Perform physical configuration comparisons between like items of hardware manufactured by different companies and prepare parts interchangeability and substitutability listings.

(14) Provide recommended transportation inputs to the system fielding plans.

(15) Provide expertise and recommendations for transportation functions in the movement of AMCOM managed materiel.

(16) Perform analysis/special studies dealing with the transportation of materiel from the origin to the destination.

(17) Provide inputs, advice, and recommendations to materiel fielding teams.

(18) Review and provide input for Depot Maintenance Studies.

(19) Review and prepare recommended Depot Maintenance Parts Requirements List (DMPRL).

(20) Review, compile, analyze, and/or recommend updates to mission support categories for Army standard test equipment.

i. Provide input, advice, and recommendations concerning grounding actions, Safety- of-Flight (SOF) messages, Safety-of-Use messages, and Government-Industry Data

j. Exchange Program (GIDEP) or maintenance information messages.

k. Provide IPS input to elements within AMCOM preparing messages for transmittal to the field. Provide technical input and recommendations to the Army concerning the critical safety items program.

l. Review hardcopy Design Change Notices (DCNs) resulting from approved ECPs to assure that data is complete, accurate, and adequate to build a new PBOM record and to identify broad variances in price for new and old parts, or prepare DCNs to support in- house approved changes to equipment.

m. Conduct analysis in support of readiness management. Representative efforts to be performed include providing input for preparing readiness reports and providing recommendations for preparation of criteria in support of new or modified equipment.

n. Generate cost avoidance summaries realized as a result of historical data reconstruction.

o. Reconstruct historical maintenance data for CONUS and OCONUS locations.

p. Develop, evaluate, and review OCONUS draft Army equipment management policies and procedures.

q. Facilitate obsolescence/DMSMS mitigation by providing input, recommendations, and advice regarding obsolescence planning, component monitoring and analysis and cost-effective issue resolution.

**3.2. IPS2 DESIGN INTERFACE:** The contractor shall provide IPS expertise required for product sustainment, planning, and coordination and HSI influence in the initial functional allocation of tasks among people, hardware and software. The contractor shall provide recommendations in the development and documentation of product-related design constraints and readiness requirements. The contractor shall provide logistics expertise on all aspects of standardization and interoperability. Representative activities may include but are not limited to:

a. Analytical/Information Support.

(1) Provide analytic/logistic input to the IPS functions, inclusive of Logistic Support Analysis (LSA); logistics information services; analysis of maintenance, supply and fielding plans; evaluation of Technical Data Package (TDP) and Depot Maintenance Work Requirements (DMWRs) logistics/manufacturing data; and provide recommendations and input for developing/updating inputs for Life Cycle Sustainment Plan (LCSP) and annexes. Such analysis support shall address impact on system sustainment and readiness.

(2) Provide analytic/logistic input to the logistic engineering and Logistics Laboratory functional areas. Requirements include: the analysis of Logistics Research and Development (R&D) technologies and their applications to Army managed/supported systems, Front End Logistics Support Analysis (FELSA) for Pre-Milestone A systems, planning/applications of Logistic Advanced Technology Demonstrations (ATDs), and impacts to supportability of Army systems/support systems resulting from the U.S. Army Training and Doctrine Command (TRADOC) Battle Lab Future Operational Capabilities (FOCs) and Doctrine. The support includes the analysis of logistics technologies through on-going market research/analysis, technology integration, and logistics ATDs to be implemented by logistic engineering and Logistics Laboratory functional areas.

(3) Provide input and recommendations for implementation of logistics models and engineering/technical support of the Army Replenishment Parts Purchase or Borrow (RPPOB) and Price Challenge Programs.

(4) Provide analytic/logistic input to the logistic engineering/front end analysis functional area, including analysis of maintenance and supply plans, development of Level of Repair Analysis (LORA), review of technical documentation, i.e., PSA portion of a SOW and trade studies (design/support trade-off analyses).

(5) Provide input and recommendations for concurrent engineering activities, including recommendations for development of concurrent engineering application tools, Automated Information System (AIS) improvement and development of analytical/logistical tools supporting Integrated Product Development Programs.

b. Analysis of Army Logistic Policy Evolution

c. Provide assessment of short and long range logistics impacts to Army managed/supported weapon systems based on the U.S. Army Logistics Integration Agency (USA LIA) initiatives that are planned and implemented to meet requirements of Defense Management Review Decision (DMRD).

d. Provide recommendations in determining the impact on the materiel developer and user community associated with the implementation of and development of cost estimates.

e. Plan, assess, and contribute to program reviews structured to ensure S&I assessments have been performed. This encompasses plans for standardization of system components, commercial off-the-shelf (COTS) equipment, ammunition, Petroleum, Oil and Lubricants (POL) and POL equipment loading and handling equipment, logistics systems, sets, kits, outfits and tools (SKOTs) and related procedures.

f. Analyze the materiel contractor's S&I program and data deliverable to identify deficiencies and recommend changes to comply with DOD Directives pertaining to the S&I program.

g. Review system acquisition Requests for Proposals (RFPs) to ensure that S&I is properly considered.

h. Provide RAM support to include review, assessment, analysis, evaluation, recommendations, trade-studies, RAM data collection, and data collection management in support of the IPS effort. The contractor shall assist with the performance of an analysis of an emerging or existing design to minimize the impact of the design on the systems logistics footprint. The contractor shall focus on the following support:

(1) Minimizing the use of external Test Measurement and Diagnostic Equipment.

(2) Maximizing the use of Built-In-Test (BIT) and Built-In-Test Equipment (BITE), subject to the specific governing specifications of standards listed in the

individual TOs.

(3) Maximizing forward replacement of components.

(4) Minimizing Operations and Support (O&S) costs, maximization of cost savings and ease of maintenance.

i. Emphasize commonality, modularity, and interchangeability of major components for systems design, in order to simplify maintenance, logistics and training burdens. Representative activities include:

(1) RAM engineering reviews

(2) Reliability Programs

(3) Design Analysis

(4) Availability Programs

(5) Maintainability Programs

(6) Integrated Diagnostics Programs

- Testability Analysis
- Diagnostics Maturation Testing
- Built-In Test Analysis

j. The contractor shall provide planning and managing support of the HSI effort to optimize total system performance, reduce life cycle cost and minimize risk of personnel loss or injury by ensuring a systematic consideration of the impact of material design on human systems throughout the system life cycle for specified systems IAW AR 602-2 or other regulations as specified in the individual Task Orders (TO). HSI requirements are based on IPS elements and HSI considerations.

**3.3. IPS3 SUSTAINING ENGINEERING.** The contractor shall provide analytic/logistic expertise to support in-service systems in their operational environments. Representative activities may include but not limited to:

a. Assist in root cause investigations and assist in the creation of “get well” plans and solution implementation ensuring IPS areas IPS1 – IPS16 are considered in the determination of a solution.

b. Assist in the analyses supporting root cause investigations providing logistics related expertise that includes input from IPS areas IPS1 – IPS16 as required.

c. Assess, prepare and provide recommendation to areas IPS1 – IPS 16 based on

experiences and issues reported from equipment usage.

**3.4. IPS4 SUPPLY SUPPORT:** The contractor shall provide expertise to identify, plan, and resource for all aspects of supply support. Representative actions may include but not limited to:

a. Conduct analysis in support of commodity management. Representative actions include input and recommendations to supply reports, for provisioning of repair parts to support new equipment, in determining requirements for acquiring/distributing/replenishing the inventory, after reviewing supply control studies and budget stratification, and for disposing of secondary items.

b. Provide expertise for war operations, contingency operations other than war, or exercises or plans to support these operations. Representative tasks include inputs for supply control of war reserve asset, analysis of war reserve requirements to support major operations, analysis and logistics recommendations for ammunition management, software recommendations input to mobilization plans, and recommendations for operations/execution of contingency planning. Representative actions include reviewing supply systems, the review of Logistics Data and modeling, providing input for metrics, providing contributions to supply functions, and compiling reports.

c. Provide recommendations and input to the Serial Number Reporting Requirement (SNRR) activity as part of the process in DA PAM 738-751.

d. Provide provisioning support for the specified systems. The contractor shall review tasks and actions and provide recommendations to the government for a complete range of technical data necessary to ensure supply chain support for specified equipment.

**3.5 IPS5 MAINTENANCE PLANNING AND MANAGEMENT:** The contractor shall provide analytic/logistic expertise to identify, plan, resource, and implement, maintenance concepts and requirements may include but not limited to the following representative IPS activities:

a. Assess and prepare (in draft format) IPS, LSA, and Human Systems Integration (HSI) requirement data for the correction and update of existing data. Maintenance planning shall be conducted during all milestones of the acquisition process and include:

(1) Evaluate and/or develop maintenance concept data. Facilitate coordination with other Major Subordinate Commands (MSCs) and supporting activities on maintenance planning matters.

(2) Conduct LORA to optimize system support.

(3) Define actions and recommend support required for materiel fielding.

(4) Conduct studies and develop alternative strategies for inter-service maintenance requirements, proposed organic and contractor mix, projected workloads, and the use of Interim Contractor Support.

(5) Provide input and recommendations for concept formulation and concept definition of developmental systems/subsystems, training devices, and related equipment relative to logistics management aspects. Evaluate and provide recommendations to the Capability Development Document (CDD) for programs prior to Milestone B and the Capability Production Document (CPD) for programs post Milestone B. Provide input to the formulation of Request for Proposals (RFPs).

a. Provide input and recommendations for the preparation of initial or amended Procurement Appropriation Data Interchange (DI). Analyze DI shortfalls and recommend corrective actions.

b. Evaluate and assess automated data processing, network, and data base requirements to enhance Relational Data Base Management Systems (RDBMS) implementation to support the logistics function.

c. Provide input and recommendations for the preparation of initial or amended Basis of Issue Plan Feeder Data (BOIPFD) IAW regulations specified in individual task orders.

d. Provide input and recommendations for the preparation of Qualitative and Quantitative Personnel Requirements Information (QQPRI) IAW regulations specified in individual task orders.

e. Formulate and update plans to include the preparation (in draft format), update, or review of the following plans/documentation:

(1) Materiel Fielding Plan (MFP)

(2) Provisioning Program Plan (PPP)

(3) Product Support Analysis Plan (PSAP)

(4) Depot Maintenance Support Plan (DMSP)

(5) Test Program Set Management Plan (TPSMP)

(6) Depot Maintenance Program Plan (DMPP)

(7) Technical Manuals Verification Plan (TMVP)

(8) Supportability Integrated Product Team Plan (SIPTP)

- (9) Human Systems Integration Management Plan (HSIMP)
- (10) Core Logistics Analysis (CLA)
- (11) Core Depot Assessment (CDA)
- (12) Analysis of Product Support Alternatives (APSA)
- (13) Item Unique Identification (IUID) Plan
- (14) System Demilitarization and Disposal Plan
- (15) Replaced System Sustainment Plan
- (16) Preservation and Storage of Unique Tooling
- (17) Computer Resource Life Cycle Management Plan (CRLCMP)
- (18) Plan for Materiel Release
- (19) Post Production Support Plan (PPSP)
- (20) Interim Contractor Support to Objective Support Plan

**3.6. IPS6 PACKAGING, HANDLING, STORAGE AND TRANSPORTATION:**

**(PHS&T)** The contractor shall provide expertise pertaining to all functions related to packaging, handling, storage and expertise regarding functions of transportation and transportability. Representative activities may include but not limited to:

a. Evaluate existing documentation and make recommendations to ensure that all system equipment and support items are preserved, packaged, marked, handled, and stored properly for short or long term requirements.

b. Prepare recommended inputs for Statement of Objectives which supports procurement actions, compliant with FAR and AR 700-145 requirements for Unique Identification (UID) of tangible items.

c. Provide input and advice for the development, coordination, and update of PHS documentation and specifications.

d. Evaluate and determine recommended item packaging level requirements and storage requirements based on one or more of the following:

- (1) Geographical and environmental restrictions.
- (2) System constraints i.e., design specifications, safety precautions for



hazardous material and item configuration.

(3) Need for special handling equipment and procedures.

(4) Special security requirement (aircraft weapons/sensitive materiel).

(5) Impact on spare and repair parts.

e. Provide input and advice for the management, coordination, and execution of the Department of Defense Stock Readiness Program.

f. Provide input, advice, and recommendations to Foreign Military Sales (FMS) customers in determining and processing PHS actions.

g. Provide input, advice and recommendations to Quality Assurance Teams (QATs).

h. Provide inputs and recommendations to the AMCOM's procurement work directive cycle processes concerning transportation requirements. Develop transportation cost estimates for the worldwide movement of materiel.

i. Review and provide logistics inputs and recommendations to the transportability engineering program. Identify potential transportability problem items and analyze and secure transportability reports to obtain transportability approval, including Class V items (missiles).

j. Provide recommendations relative to major and secondary item transportation procedures for the worldwide movement of materiel, including Class V materiel (missiles).

k. Plan and recommend actions associated with movement of the system in its shipping container.

l. Evaluate and determine recommended transportation modes and networks available and authorized for use or make recommendations to the customer based on established design parameters and constraints.

m. Plan, assess, and prepare draft documentation for:

(1) Transportability Demonstration

(2) Validation/Verification of Technical Manuals

(3) Airdrop and Container Requirements

(4) Unit's Mobility (PLL/ASL)

**3.7. IPS7 TECHNICAL DATA:** The contractor shall provide analytic/logistic technical data expertise to identify, plan, resource and implement management actions to develop and acquire information to operate, install, maintain, and train on the equipment to maximize its effectiveness and availability; effectively catalog and acquire spare/repair parts, support equipment, and all classes of supply. The contractor shall provide expertise and manpower necessary to translate materiel system requirements into discrete engineering and product support documentation. Representative activities may include but not limited to:

a. IPS Planning. Provide recommended plans and provide expertise to accomplish the following requirements of the IPS program:

(1) Prepare (in draft format) and update IPS milestone management models using, AR 70-1, AR 700-127, and DA PAM 700-127.

(2) Develop and/or update Life Cycle Sustainment Plan, using AR 700-127 and DA PAM 700-127.

(3) Tracking of all logistics requirements within program and acquisition documents.

b. HSI Planning.

(1) Review and/or analyze HSI requirements in program management documentation IAW AR 602-2 and AMCOM Supplement 1 to AR 602-2.

(2) Develop draft and/or recommended updates for the HSI Management Plan IAW AR 602-2.

(3) Provide input and recommendations for the preparation and/or update of HSI Assessment and HSI Integration Report IAW AR 602-2.

c. Technical Publications. Review, evaluate, verify, and provide technical recommendations for technical publications development which may include participation in the hardware Physical Teardown (PT) of the assigned weapon system/major end item for evaluation/validation of Repair Parts and Special Tool List (RPSTL) and validation/demonstration of all approved technical maintenance manuals, task procedures, tools, and calibration and test equipment requirements.

(1) Develop draft procedures, manuscripts, illustrations, parts listings, and camera-ready materials for Field and Sustainment maintenance; review and research proposed changes to publications from various sources including Engineering Change Proposals (ECPs), DA Forms 2028, Design Change Notices (DCNs), and Logistics Assistance System Report (LASR); review military standards and specifications and perform analyses; conduct plans and validation certifications; review and evaluate commercial publications and prepare draft supplemental data.

(2) Review publications for consistency with logistics data bases/Technical Drawings; incorporate approved changes to the logistics data bases into the appropriate technical publications; prepare draft manuscripts, supplemental data and camera-ready copies; validate new/changed publications materials; conduct publications verification efforts at verification sites; file publications; and provide technical publication support services such as keyboarding, illustrating/computer graphics, researching, reviewing and editing.

(3) Prepare recommended RPSTL illustrations and parts listing in generation breakdown order to reflect the production equipment scheduled for tactical deployment. Review hard copy DCNs resulting from approved ECPs to assure data is accurate and complete for incorporating into RPSTL. Review Provisioning Bill of Material (PBOM) database to assure all the RPSTL data elements are accurate and complete. Prepare recommended changes/revisions to RPSTLs to reflect approved ECPs, DCNs, 2028s, and Letters of Instruction (LOIs).

d. Review, validate, and record contents of DA Forms relating to Crash Damaged/Salvaged/Retired U.S. Army systems.

e. Assemble, submit, and track the progress and status of Depot Data Packages.

f. Provide technical writing, editing and publications production skills to support the specified systems.

g. Provide provisioning support for the specified systems to include review of tasks and actions to provide recommendations to the government for a complete range of technical data necessary to ensure supply chain support for specified equipment.

**3.8. IPS8 SUPPORT EQUIPMENT:** The contractor shall provide input, advice, and recommendations for initial planning, acquisition and life cycle management of support equipment, TMDE, Test Program Sets (TPS), and Automated Test Equipment (ATE). Representative tasks include:

a. Review and evaluate ATE and TPS software program plans and documents.

b. Review/verify ATE operating software.

c. Review, update, maintain and provide recommended changes to Test Program Set Management Plans (TPSMP) for all Army managed systems using or contemplating use of TPS.

d. Update and maintain an ATE/TPS data base and transmit data on TPS Data Network (TDN).

e. Provide ATE/TPS library/repository services.

f. Provide IPS life-cycle functional recommendations for ATE/TPS hardware and software.

**3.9. IPS9 TRAINING AND TRAINING SUPPORT:** The contractor shall provide training and training devices support throughout the life cycle. Representative activities may include but not limited to:

a. Evaluate training programs and facilitate coordination to identify training deficiencies/issues.

b. Provide input and recommendations for identification, coordination, and readiness of training and training support requirements.

c. Review and analyze requirement documents, training documents, and logistics documents for training implications.

d. Prepare draft training documentation, plans, and reports.

e. Perform cost comparison and analysis of training methods and strategies.

f. Validate technology based multimedia-training materials such as interactive CD-ROM and computer aided instruction.

g. Conduct training to meet specific logistics mission.

**3.10. IPS10 MANPOWER AND PERSONNEL:** The contractor shall provide IPS expertise required identification and acquisition of personnel (Military and civilian) with the skills and grades required to operate, maintain, and support systems. Representative actions may include but not limited to:

a. Provide input and advice to the decision process to optimize numbers, skills, grades, human factor considerations, and soldiers-machine interface.

b. Conduct Manpower Requirements Criteria (MARC) studies to develop maintenance burden data and documentation to determine the manpower requirements to support specified system, assemblies, components, and spare/replacement parts.

**3.11. IPS11 FACILITIES AND INFRASTRUCTURE:** The contractor shall provide analytic/logistic expertise to identify, plan, resource, and acquire facilities to enable training, maintenance and storage. This encompasses those management actions, procedures, and techniques used to ensure that all required permanent or semi-permanent operating and support facilities are available for training, fielding, testing, and depot maintenance. Representative activities may include but not limited to:

(a) Evaluate the need for and recommend new construction or modification to existing facilities.

(b) Conduct and/or provide input to studies which define and establish impacts on Life Cycle Cost, Military Construction Army (MCA) funding, facility locations/improvements, space requirements, environmental impacts, duration or frequency of use, and safety/health standards and security requirements.

(c) Develop and recommend requirements for fixed and mobile facilities to include range and types of utilities, design for safety, work environment, and health standards.

**3.12. IPS12 COMPUTER RESOURCES:** The contractor shall provide computer resources support for both stand-alone and embedded systems. The computer support provided will be for Army managed/supported systems and their associated equipment, excluding standard desktop information technology (IT) equipment. The contractor shall provide analytic/logistic computer resources expertise to identify, plan, resource, and acquire facilities, hardware, software, documentation, manpower and personnel necessary for planning and management of mission critical computer hardware and software systems. Coordinate and implement agreements necessary to manage technical interfaces, and to manage work performed by maintenance activities. Establish and update plans for periodic test and certification activities required throughout the life cycle. Representative activities may include but not limited to:

a. Provide expertise and advice to computer resources working group that documents the approach and tracks progress.

b. Review and evaluate logistics inputs to software program plans and documents to include:

- (1) Requirements Documents/Contract SOW
- (2) System/Model Specifications
- (3) Test and Evaluation Master Plans (TEMPs)
- (4) Independent Verification and Validation Plans
- (5) Test Program Set Management Plan (TPSMP)
- (6) Computer Resource Life Cycle Management Plan (CRLCMP)

c. Provide input, advice, and recommendations for initial HSI actions applied when balancing software support requirements to ease hardware and maintenance burden.

d. Perform review and analysis of facilities, hardware, software, documentation, manpower and personnel needed to plan, develop and implement computer resources support.

e. Develop logistics support computer programs or software to include training/simulator software and software for computer based training programs.

f. Maintain source data received on DA Forms in applicable databases.

g. Monitor and maintain maintenance oriented automated databases and systems.

h. Provide input and recommendation for the development of friendly/menu driven IPS automated data managers/systems as well as refining automated programs/systems and reduction of data redundancy compatible with Army approved automated equipment and software.

i. Monitor, maintain, input and update the maintenance-automated databases supporting The Global Combat Supply System – Army.

j. Research and evaluate artificial intelligence applications software and tools. Design, develop, prototype, and test artificial intelligence systems applicable to the financial management and inventory control of both major and secondary supply items. Provide input and recommendations for the implementation of an operational system on either a microcomputer and/or mainframe platforms.

**4.0 LOGISTICS SUPPORT OF AUTOMATED INFORMATION SYSTEMS (AIS).** The contractor shall provide the following logistics support to facilitate the development and integration of functional requirements for AIS may include but not limited to the following representative activities:

a. Analyze impacts on proposed business process improvement/reengineering.

b. Generate and analyze logistics automation initiatives and any impact on AMC/Army Standard AIS.

c. Evaluate AIS design and articulation of functional requirements to ensure business process requirements are incorporated.

d. Review, analyze, and prioritize recommendations for business process change requirements.

e. Evaluate data element requirements in proposed functional process plans and recommend common definitions in support of data standardization.

f. Provide advice and recommendations to functional work groups in support of business process improvements/reengineering.

g. Develop and present reports and briefings on recommended automation initiative and business process reengineering.

h. Provide advice and recommendations for management of AMC AWCF assets.

i. Provide advice and recommendations in incorporating the Federal Acquisition Regulation requirements for Unique Identification (UID) and Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) implementation.

j. Provide support for Total Package Fielding (TPF) efforts for assigned systems.

k. The contractor shall support the design, development, deployment, training and maintenance of enterprise logistics management systems used by, or developed to support, logistics operations. Tasks shall include the following:

- (1) Global Combat Support System Army (GCSS-A)
- (2) General Fund Enterprise Business System (GFEBS)
- (3) Logistics Management Program (LMP)
- (4) Defense Property Management System (DPAS)
- (5) Logistics Information Warehouse (LIW)
- (6) USTRANSCOM IGC Database

**5.0 VEHICLE OPERATIONS.** The contractor shall be required to operate military vehicles and heavy equipment for assigned systems, as required. The contractor shall drive, relocate, and provide movement of vehicles from one work center, work shop area, or production operation to another, as required.

**6.0 DATA REQUIREMENTS.** The contractor shall prepare the following data as specified in individual task orders:

<b>DATA ITEM NO.</b>	<b>TITLE</b>
DI-MGMT-80368	Status Report
DI-MISC-80508	Technical Report-Study/Services
DI-MGMT-80227	Contractor's Progress, Status and Management Report
DI-ADMN-81373	Presentation Material
DI-MGMT-81117	Technical and Management Work Plan
DI-ADMN-81505	Report, Record of Meeting/Minutes
DI-MGMT-80004	Management Plan



DI-FNCL-80331	Funds and Man-hours Expenditure Report
DI-ADMN-81313	Progress Report (Studies)
DI-MGMT-81334	Contract Work Breakdown Structure
DI-MGMT-81468	Contract Funds Status Report (CFSR)
DI-MGMT-80555	Program Progress Report
DI-ADMN-81249	Conference Agenda
DI-ADMN-81250	Conference Minutes
DI-MISC-80711	Scientific and Technical Reports
DI-AVCS-80700	Computer Software Product End Items
DI-ADMN-80925	Revisions to Existing Government Document
DI-SESS-81758A	Logistics Product Data
DI-MGMT-81861	Integrated Program Management Report (IPMR)
DI-MISC-80043	Ammunition Data Card (ADC)
DI-ILSS-80739	Depot Maintenance Study
DI-ILSS-80872	Training Materials
DI-FACR-80976	Facilities Plan
DI-PACK-80121	Special Packing Instructions
DI-ILSS-81225	Maintenance Support Plan
DI-ILSS-81070	Training Program Development and Management Plan
DI-PSSS-81872	Level of Repair Analysis (LORA) Report
DI-PSSS-81873	Level of Repair Analysis (LORA) Input Data
MIL-STD-40051-1	Preparation of Digital Technical Information For Interactive Electronic Technical Manuals

MIL-STD-40051-2	Preparation of Digital Technical Information for Page-Based Technical Manuals (TMs)
DI-MISC-80508	Technical Report-Study (Performance Review Report)
SAE-GEIA-STD	Logistics Product Data
MIL-PRF-63002	Manuals, Technical: Requirements for Operator's Manuals and Checklists for Manned and Unmanned Aircraft Systems
MIL-PRF-63002	Manuals, Technical: Requirements for Preparation of Modification Work Orders (MWOs)
DI-MGMT-80269	Status of Government Furnished Equipment (GFE) Report

**7.0 ACCOUNTING FOR CONTRACTOR SUPPORT:** The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under any task orders performed under this BPA via a secure data collection site. The contractor shall be required to completely fill in all required data fields using the following web address: <http://www.ecmra.mil/>. Further instructions to be provided at the task order level.

## **8.0 SECURITY REQUIREMENTS**

The contractor shall, in the performance of individual task orders or technical directions (TDs), be required to provide security certified personnel and facilities. The contractor, team members and subcontractors shall provide functional support services to the Security level specified in the DD Form 254 of individual task orders. Guidance above and beyond the DD Form 254 of individual task orders will be provided on a case-by-case basis.

**8.1** The contractor shall provide security at a level necessary to meet the requirements of the task required. The contractor's work shall not be above a classification of Secret. Co-located/embedded contractor personnel will be required to take the following training annually: Security Refresher, Combating Trafficking in Persons, Cyber Awareness Challenge, Operation Security (OPSEC), Personal Identification Information (PII), Sexual Harassment Assault Response Program (SHARP), and Threat Awareness and Reporting Program (TARP).

**8.2** The contractor shall safe guard all Government property provided for contractor use. At the close of each work period, Government facilities, property and materials shall be secured.

**8.3** The contractor shall not use foreign national employees to perform the efforts of any task orders performed under this BPA.

## **9.0 SUBCONTRACT MANAGEMENT**

The contractor shall manage any subcontracts necessary to integrate work performed on individual task orders. The contractor shall manage and account for subcontractor performance of these requirements. The contractor shall manage work distribution to ensure there are no organizational conflicts of interest.

The contractor shall support small business opportunities throughout the period of performance. The contractor shall make effort in identifying opportunities for small business subcontractors including all socio-economic small business categories.