

Statement of Work

For

**Bridge to Enduring STE TESS Multi-Award Contract (BEST-MAC)
Indefinite Delivery/Indefinite Quantity (ID/IQ)
Version 1.2**



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Change History

Revision	Date	Section	Description
1.0	03/03/2023	All	Initial Release.
1.1	03/13/2023	Section 2 and 3.7	References documents and CDRLs
1.2	03/27/2023	Section 2.2, 2.4, 3.2.4.1, 3.6, 3.6.9, 3.6.13,3.6.14, 3.7, 3.10	Reference documents, ECP, Logistics, ICS, IUID, DSMSS, CDRL, Counterfeit Management

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For
Bridge to Enduring STE TESS Multi-Award Contract (BEST-MAC)
Indefinite Delivery/Indefinite Quantity (ID/IQ)**

1.0 Scope

This Statement of Work (SOW) defines the work required to be performed for the Project Manager Soldier Training's (PM ST) Bridge to Enduring STE TESS Multi-Award Contract (BEST-MAC). The MAC will enable PM ST and other Department of Defense (DoD) organizations to perform tasks such as trade studies, analysis and forecasting, data collection, design, development, impact assessment, information assurance, procurement, integration, installation, testing, system training, documentation, logistics support, and disposal. This SOW defines the general tasks to be performed under the BEST-MAC in support of live training requirements. Individual program efforts will define the detailed requirements on the Delivery Order (DO) level.

The existing TESS products included, but not limited to, under this MAC are:

- Individual Weapons Systems (IWS)
- Tactical Vehicle Systems (TVS)
- Combat Vehicle Systems (CVTESS)
- Shoulder Launched Munitions (SLM)
- Controller Devices (UCD)
- Ancillary equipment associated with each of the product lines

1.1 Background

PM ST is the Army's solution provider for live instrumented training systems. PM ST's mission is to develop, acquire, field and sustain a family of interoperable live training solutions for use at Home Station, CTCs, institutions, and deployed sites to improve Warfighter readiness. By managing the acquisition of training systems to meet the user's requirements, the goal is to deliver the systems on schedule and within cost and to provide life cycle management to ensure the best value products for the Army and external customers. The BEST-MAC objective is to modify existing TESS as well as procure new TESS, similar to existing TESS to meet the Army's evolving training strategy. The MAC will provide maximum competition while ensuring streamlined DO awards. This will provide the DoD with the ability to rapidly deliver upgraded and/or new capabilities to the nation's warfighters.

PM ST envisions that BEST-MAC will support the evolution of live training systems by leveraging the following initiatives and technical concepts:

- LT2 methodology
- Architectural initiatives
 - Common Training Instrumentation Architecture (CTIA)
 - Live Training Engagement Composition (LTEC)
 - Future LT2 Architectures
 - Government Furnished Information (GFI) via the LT2 Portal or via other

- means, as necessary.
- Product sustainment (synchronization with PEO STRI Life Cycle Contractor Support (LCCS))
 - Reliability, Availability and Maintainability (RAM) assessment for spare listing and support management

1.2 BEST-MAC Structure

1.2.1 BEST-MAC Lot Structure

The primary focus of this contract will be hardware and software centric efforts. The BEST-MAC contract is broken out into two Lots.

Lot 1 - Modify existing TESS to extend product life and meet the Army's evolving requirements. The focus of Lot 1 is to provide Service Life Extension Programs (SLEP) to existing TESS. The scope of this Lot may include up to 210,000 systems over the 10 year life of the contract. The number of domestic/US Army TESS to undergo a SLEP in any given year is expected to be in the thousands. It is estimated that SLEP funding will exceed \$300M spread over 10 years in this Lot. The intent is to SLEP IWS and SLM initially to ensure compatibility, commonality, and interoperability with current TESS and the platforms each system is required to support, throughout the acquisition life cycle. The weapon platform managers continue to modify existing systems and field new variants. This requires TESS to make modifications to maintain weapon platform relevancy. The projected modification effort within this Lot is estimated to be four updates to LTEC and five vehicle kit modifications. In addition, modifications are required to interoperate with STE LTS products. This work will be defined as the STE Live product lines evolve.

The intent is to modify the existing fleet to extend the product life, adapt to evolving weapon platforms and to interoperate with STE LTS products for a minimum of 10 years. The TESS will be required to be compliant with the existing and new Government provided requirements / performance specifications. Partner nation requirements cannot be projected but may be additive to this requirement.

Lot 2 – Procure new TESS similar to existing TESS in the field today. Lot 2 will focus on Army Force Structure changes and modernization of the current TESS. This Lot is required to procure new systems similar to the current TESS systems in the field today. Based on historical data, it is estimated that there will be three changes to Force Structure requiring additional TESS. These new system projections include all five TESS product lines. In addition, it is estimated that there will be at least three new weapon platforms requiring new TESS. These new weapon systems will all have fire control systems that require an interface with TESS. They will also have new weapon systems that must be replicated. This Lot will also address modernization of current TESS through procurement instead of SLEP. This lot may also be used to fulfill selected requirements for Foreign Military Sales (FMS). These procurements could be variants of existing TESS or new systems to interoperate with new weapon platforms and STE LTS products. These procurements may incorporate Interim Contract Support (ICS) until

transition to Training Support Operations (TSO).

2.0 Applicable Documents

The following documents form a part of this SOW to the extent specified herein:

2.1 Department of Defense Specifications

MIL-PRF-32216B Evaluation of Commercial Off-the-Shelf (COTS) Manuals and Preparation of Supplemental Data

Copies are available on the WWW at URL: <https://quicksearch.dla.mil/qsSearch.aspx>

2.2 Department of Defense Standards

The following specifications, standards, and handbooks form a part of this document to the extent specified herein.

MIL-STD-130N Identification Marking of U.S. Military Property
MIL-STD-882E System Safety
MIL-STD-31000B Technical Data Packages
MIL-STD-40051-2D Preparation of Digital Technical Information for Page-Based Technical Manuals (TMs)

Copies are available on the WWW at URL: <https://quicksearch.dla.mil/qsSearch.aspx>

2.3 Other Government Documents, Drawings, and Publications

AR 5-12 Army Use of the Electromagnetic Spectrum
AR 25-2 Army Cyber Security
AR 381-12 Threat Awareness and Reporting Program
AR 525-13 Antiterrorism
AR 530-1 Operations Security
AR 700-145 Item Unique Identification
AR 702-20 Counterfeit Risk Management Product Assurance

Copies are available on the WWW at URL: <https://armypubs.army.mil>

DoD 5100.76-M Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives (AA&E)
DoD 5220.22-M National Industrial Security Program Operating Manual (NISPOM)
DoDD 5230.24 Distribution Statements on DoD Technical Information
DoDI 4140.67 DoD Counterfeit Policy
DoDI 5200.48 Controlled Unclassified Information (CUI)
DoDD 8570.01 Information Assurance Training, Certification and Workforce Management
DoDD 8140.01 CyberSpace Workforce Management

Copies are available on the WWW at URL: <https://www.esd.whs.mil/DD/>

Title 32 CFR Part 2002	Controlled Unclassified Information (https://www.ecfr.gov/current/title-32/subtitle-B/chapter-XX/part-2002)
DFARS 252.234-7001	Notice of Earned Value Management System (https://www.acquisition.gov/dfars)
DFARS 252.234-7002	Earned Value Management System (https://www.acquisition.gov/dfars)
DFARS 252.211-7003	Item Unique Identification and Valuation (http://www.acq.osd.mil/dpap/pdi/uid/index.html)
LT2-TRADE-PLAN-2013-00009	LT2 Product Line Configuration Management Operational Procedures Guide (www.lt2portal.mil)
LT2-TRADE-PLN-000384	LT2 Consolidated Product Line Management (CPM) Operations Guide (www.lt2portal.mil)

2.4 Non-Government Standards and Other Publications

ANSI/EIA-748	Standard for Earned Value Management Systems
ANSI/TA-STD-0016	Standard for Preparing a DMSMS Management Plan

Copies are available on the WWW at URL <http://www.apd.army.mil/>

GEIA-STD-0007C	Logistics Product Data
GEIA-HB-0007B	Logistics Product Data Handbook
TA-HB-0007-1	Logistics Product Data Reports Handbook

Copies are available on the WWW at URL <https://www.sae.org/standards/>

3.0 Requirements

The requirements defined herein shall form the basis for all work that shall be performed as part of the Government issued delivery orders under the BEST-MAC within Lots.

3.1 Management, Organization and Processes

In support of the BEST MAC, the contractor shall perform programmatic activities, providing for an optimized Product Line (P/L) organizational structure. The contractor’s approach shall ensure efficient processes for the management and oversight of the BEST MAC technical activities including resources utilized across all BEST MAC delivery orders. The following table provides a representative list of tasks and activities that could be required by specific delivery orders.

Associate Contractor Agreements	Interface Management
Business Strategy	Life Cycle Support
Concept of Operations	Meetings & Program Reviews
Conferences	Metrics, Measurement and Tracking

Configuration Change Management	Organizational Planning
Configuration Identification	Post Award Conference
Configuration Management	Program Management
Configuration Management Planning and Management	Program Management Review
Configuration Status Accounting	Requirements Management
Configuration Verification and Audit	Resource Planning and Management
Customer Interface Management	Reuse Analysis
Data Repository	Risk Management
Decision Analysis	Technical Assessment
Design Review	Technical Data Management
Earned Value Management	Technical Interchange Meetings
Engineering Change Proposal	Technical Planning
Facilities Management	Technical Reviews
Financial Management	Technology Forecasting
Hardware Audit	Test Readiness Review
Integrated Baseline Review	Training
Integrated Master Schedules / Plans	Variance / Variance Management
Integrated Product Team Management	Visitor Support

3.1.1 Core Asset Evolution

The contractor shall perform the necessary tasks and activities to continue the development, evolution, and sustainment of the BEST MAC LT2 Core Assets. All efforts performed under this contract will be synchronized with the previously established Live Training Transformation (LT2) processes and standards. The contractor shall follow the LT2 Product Line Configuration Management Operational Procedures Guide (LT2-TRADE-PLAN-2013-00009) and LT2 Consolidated Product Line Management (CPM) Operations Guide (LT2-TRADE-PLN-000384). The Government will address the specific requirements in each delivery order. The following table provides a representative list of tasks and activities that could be required by specific delivery orders with respect to BEST MAC LTS Core Asset Development & Evolution:

Architecture development	P/L Developer Training
Architecture evaluation	Performance Verification & Validation
Architecture validation	Quality Assurance
Configuration Management	Requirement Engineering
Decision Analysis	Re-Use Analysis
Domain Analysis	Service/Component Development
LT2 Configuration Change Control	Technology Insertion
LT2 Configuration Identification	Test & Verification
LT2 Configuration Management Planning	Variation Management
LT2 Configuration Status Accounting	Version Control
Obsolescence Management and Planning	

3.1.2 Product Integration, Fielding and Sustainment

The contractor shall perform the necessary tasks and activities for product development integration, prototype production, testing, fielding and sustainment. The Government will address the specific requirements in each delivery order. The following table provides a representative list of tasks and activities that could be required by specific delivery orders with respect to Integration, Fielding and Sustainment:

Assembly	Production
Code and Unit Test	Production Planning
Cold Start Test	Production Readiness Review
Component Testing	Prototyping
Concept Development	Quality Assurance
Configuration Management	Quality Engineering
Cyber Security	Reliability Engineering
Electromagnetic Environmental Effects Test & Analysis	Requirements Analysis, Management & Traceability
Fabrication	Risk Management Framework Testing and Certification
Factory Inspection	Safety Assessment
Fielding	Safety Engineering
First Article Test	Security Engineering
Full Rate Production	Software Engineering
Functional Analysis	Software Integration
Government Acceptance Test	Spectrum Management
Hardware / Software Integration	System Demonstration
Hardware Engineering	System Design
Hardware Integration	System Engineering
Hazards Tracking & Risk Resolution	System Integration
Health Hazard Assessments	System Modification
Information Assurance Vulnerability Management	Systems Verification Test
Integrated Testing & Test Planning	Test and Inspection Report
Low Rate Initial Production (LRIP)	Test Discrepancy Management
Maintainability Engineering	Test Support
Manpower and Personnel Integration (MANPRINT)	Testing & Test Engineering
Operations Security	Training
Post-Deployment Software Support (PDSS)	Training Product Verification & Validation
Post-Production Software Support (PPSS)	Validation Testing
Producibility Engineering	Verification Testing
Product Definition Data (PDD)	

3.2 Program Management

The contractor shall establish and maintain an integrated program management system, which shall plan, direct, integrate and control the administrative, management, technical, logistical, financial, production and support functions of each specific order. The contractor shall maintain procedures to respond to requirements of Request for Proposals (RFPs) and delivery order modifications. The contractor shall manage work efforts to optimize total product performance, ensure interoperability and common solutions, and minimize total ownership cost.

3.2.1 Integrated Product and Process Development (IPPD)

As specified by individual delivery orders, the contractor shall establish and maintain a process for IPPD and participate in joint Government/contractor Integrated Product Teams (IPT) in a Performance-Based Business Environment to manage and integrate all tasks, activities and data. The contractor shall facilitate Government insight into contract activities and establish working relationships with Government personnel that will enable continuing insight into all contract activities. The contractor shall provide real-time, reliable and user-friendly electronic remote access to all data produced under the contract to enable review of contract status and demonstrate readiness to complete significant events. The contractor shall make available to the Government all technical, cost and schedule data for each specific order of the order IPT. The contractor shall maintain processes that facilitate completion of delivery order.

3.2.2 Integrated Master Plan (IMP) and Integrated Master Schedule (IMS)

As specified by individual delivery orders, the contractor shall develop an IMP and an IMS. The contractor shall manage to and maintain the IMP and IMS it has developed for each specific order, including appropriate program milestones with corresponding entrance and exit criteria. The IMP and IMS shall include a detailed account of all tasks necessary to accomplish the goals and objectives of each specific delivery order. The contractor shall develop and maintain an Integrated Master Schedule (IMS) by logically networking detailed program activities including synchronization of all active delivery orders. The schedule shall contain the planned events and milestones, accomplishments, exit criteria, and activities from contract award to the completion of the contract. The contractor shall quantify risk in hours, days, or weeks of delay and provide the most likely duration for each IMS activity and event.

3.2.3 Earned Value Management (EVM) System

The contractor shall use EVM System as each specific delivery order defines.

3.2.3.1 Contractor Integrated Performance Management

As specified by individual delivery orders, the contractor shall establish, maintain, and use in the performance of each delivery order, an integrated performance management system. Central to this integrated system shall be a validated Earned Value Management System (EVMS) in accordance with Defense Federal Acquisition Regulation Supplement

(DFARS) 252.234-7001, DFARS 252.234-7002, and the EVMS guidelines contained in ANSI/EIA-748. To establish the integrated performance management system, the EVMS shall be linked to and supported by the contractor's management processes and systems to include the IMS, contract work breakdown structure, change management, material management, procurement, cost estimating, and accounting. The correlation and integration of these systems and processes shall provide for early indication of cost and schedule problems, and their relation to technical achievement.

3.2.3.2 Integrated Baseline Review

As specified by individual delivery orders, the contractor shall participate with the Government in the assessment of program risk and the degree to which the following have been established:

- Technical scope of work is fully included and is consistent with authorizing documents.
- Project schedule key milestones are identified and supporting schedules reflect a logical flow to accomplish the work.
- Resources (budget, facilities, personnel, skills, etc.) are available and are adequate for the assigned tasks.
- Tasks are planned and can be measured objectively relative to the technical progress.
- Rationales underlying the review are reasonable.
- Management processes support successful execution of the project.

3.2.4 Configuration Management

As specified by individual delivery orders, the contractor shall use an automated internal configuration management process to monitor, update, and control all configuration documentation, physical media, and physical parts representing or comprising the system configuration items (CIs). The contractor shall plan and implement an automated configuration management function to perform configuration control, configuration identification, audits, and status accounting in a system engineering environment. The contractor shall develop, maintain, and update configuration management procedures and processes for control of all hardware and software baselines. The process shall allow Government simultaneous access to the common product data model coupled with the ability to coordinate and update immediate changes to the product definition data. The configuration management process must handle all levels of product and process integration to build and support the product as well as manage the sequence of significant events. The Government will maintain control of the functional baseline (FBL) defined by the system performance specification, interface control documents, and software requirement specifications.

3.2.4.1 Engineering Change Proposals (ECP)

As specified by individual delivery orders, the contractor shall prepare or update ECPs for all hardware and software changes. The contractor shall submit all ECPs for Government approval. The contractor shall document all changes to established baselines and all changes to the requirements (other than the functional baseline), including changes to the statement of work, contract data requirements list (CDRL), the contract schedule, and the general provisions of the contract.

3.2.4.2 Variances

As specified by individual delivery orders, the contractor shall document the rationale and the potential impact of any variance. The contractor shall obtain approval before varying from any Government-controlled baseline.

3.2.5 Risk Management

As specified by individual delivery orders, the contractor shall conduct risk management to systematically control the uncertainty in the project's ability to meet cost, schedule, and performance objectives. The contractor shall conduct that part of risk management that directly impacts the technical effort and involves risk management preparation, risk identification, risk assessment, risk-handling option assessment, risk analysis, risk mitigation and risk control, including but not limited to scheduling of manpower requirements in the event that more than one delivery order is awarded. The contractor shall cover risk management to product requirement objectives at all program and technical reviews, and at any time the contractor identifies a potential impact to cost, schedule, or performance. The contractor shall use their internal risk management tools to perform risk management. The contractor shall provide Government insight into the contractor's tools, assessment, mitigation, and control techniques.

3.2.6 Associate Contractor Agreements (ACAs)

As specified by individual delivery orders, the contractor shall implement ACAs for exchanging data, accessing and using third party software and equipment, receiving technical support, working interface issues, transitioning to sustainment and agreeing on equipment use and time. ACAs shall be maintained to achieve interoperability and common component goals, as applicable.

3.2.7 Meetings and Program Reviews

As specified by individual delivery orders, the Contractor shall attend and conduct meetings, reviews and working groups. The Contractor shall document action items, coordinate resolutions and track action items until closure.

3.2.8 Subcontractor Management

As specified by individual delivery orders, the contractor shall maintain the capability to manage subcontractors in accordance with the delivery orders' Subcontractor

Management Plan. The contractor shall integrate subcontractors into program IPTs. Additionally, subcontractors shall be included in program management and tracking systems such as management information systems, EVM system, etc. The contractor shall ensure the requirements of this contract and subsequent delivery orders are applied to all subcontracts and associate contracts.

3.2.9 Cost as an Independent Variable (CAIV)

As specified by individual delivery orders, the contractor shall participate on joint Government-contractor Cost Performance IPTs to discuss tradeoff options for implementing CAIV concepts and guidance.

3.2.10 Computer Hardware, Enterprise Software Solutions (CHES) Program

As specified by individual delivery orders, the contractor shall comply with the Army's CHES program. Under PEO Enterprise Information Systems (EIS), CHES is the mandatory source for commercial Information Technology (IT) purchases. CHES contracts provide IT products and services that comply with Network Enterprise Technology Command (NETCOM), Army and DoD policy and standards. Purchasers of commercial hardware and software must satisfy their IT requirements by utilizing CHES contracts and DoD Enterprise Software Initiative agreements first, regardless of dollar value. Any purchase made outside of CHES contracts requires a waiver. A complete list of CHES contracts and the on- line waiver process can be found at <https://ches.army.mil>.

3.2.11 Government Purpose Rights (GPRs)

As specified by individual delivery orders, the contractor shall provide the Government no less than Government Purpose Rights in any software or technical data developed under this contract with Government. The Government will retain Government Purpose Rights for the life of this contract. Upon expiration of the contract, the Government will have unlimited rights in any applicable technical data. The contractor shall ensure that sufficient rights are procured with the addition of new software or hardware proposed for the BEST MAC. The rights shall be procured such that the Government can maintain and modify the system using Government personnel and third party contractors.

3.3 Systems Engineering

As specified by each delivery order, the contractor shall provide the requisite technical and programmatic support to complete the required engineering tasks of the individual DOs. These tasks shall encompass the efforts associated with the development, dissemination, engineering, management, maintenance, Continuous Technology Refreshment (CTR), technology insertion, obsolescence, concurrency, upgrades and disposal of the hardware components, and documentation. These tasks shall also include the work efforts associated with the engineering, management, and tracking of fielded products, services and core assets. Market surveillance and market investigations shall be conducted in order to maximize the use of commercial and non-developmental items. The contractor shall apply the systems engineering process during each level of system development

(system, subsystem, and component) to add value (additional detail) to the products defined in the prior application of the process. Through each of the following design stages, information generated shall be documented in an integrated database.

3.3.1 Software Engineering

As specified by each delivery order, the contractor shall provide the requisite technical and programmatic support to complete the required software engineering tasks of the individual DOs. These tasks shall encompass the efforts associated with the development, dissemination, engineering, management, and maintenance of the TESS architecture, components, and documentation. The contractor shall follow the LT2 processes for all software reuse, development and testing. The contractor shall utilize the LT2 core assets for software to the maximum extent possible and shall use the Core Asset Working Group (CAWG) when new software is developed or utilized. As specified by the individual DO, the contractor shall design, implement, integrate, test and field system software and firmware, and shall follow the contractor's organizational software development practices. The contractor shall provide sufficient evidence that the producing software development organizations have software management and development processes documented. The design process shall incorporate features that promote assessment of open-source software products, ease of operation, cybersecurity, ease of software maintenance, ease of future updates and modifications, data void work around, and any smart designs that can justify a reduction in the amount of documentation. The contractor shall conduct market surveillance and market investigations, in order to maximize the use of open-source software, commercial software and non-developmental software. The contractor shall employ well-defined security policy models, structured, disciplined, and rigorous hardware and software development techniques, and sound system/security engineering principles. The contractor shall follow formal industry-accepted software development practices that are consistent with at least Level 3 of the Capability Maturity Model Integration for Development (CMMI-DEV).

3.3.2 Hardware Engineering

As specified by each delivery order, the contractor shall design, develop, integrate, assemble, and test the system hardware that satisfies the performance and requirements stated in the delivery order. The contractor shall conduct market surveillance and market investigations in order to maximize the use of commercial and non-developmental items. The contractor shall apply the systems engineering process during each level of system development (system, subsystem, and component) to add value (additional detail) to the products defined in the prior application of the process. Through each of the following design stages, information generated shall be documented in LT2 portal; ensuring architecture and reuse are considered at each phase and each delivery order.

3.3.3 Test Engineering

As specified by each delivery order, the contractor shall develop, implement, and maintain a system testability process satisfying all testability requirements, which is traceable throughout the design process, is integrated with other system engineering

requirements, and is disseminated to design personnel and subcontractors. The contractor shall establish controls for ensuring that each subcontractor's testability practices are consistent with overall system requirements. The contractor shall define the means for verifying and validating that the diagnostic capability meets specified requirements, using maintainability demonstrations, test program verification, and other demonstration methods. The contractor shall ensure that as test and evaluation of the system progresses, problems presented by new failure modes, test voids, ambiguities, and test tolerance difficulties are recognized and defined, solutions are traceable to diagnostic hardware and software, and technical publication procedures are updated. The contractor shall define an approach for the analysis of acceptance test and evaluation results to determine how built in test hardware and software, automatic test equipment hardware and software, and maintenance documentation performed as a means for satisfying production testing, and meeting testability requirements. The contractor shall establish a testability program that accomplishes the following:

- a. Establishment of sufficient, achievable and affordable diagnostic concept and state-of-the-art testability built-in and off-line test performance requirements.
- b. Integration of testability into equipment and systems during the design process in coordination with the maintainability design process.
- c. Evaluation of the extent to which the design meets testability requirements.
- d. Inclusion of testability in the program review process.

3.3.4 Hardware and Software Integration

As specified by each delivery order, the Contractor shall perform all activities to integrate and assemble the hardware and software to achieve a fully functional and creditable system, with all support systems, that performs and operates in accordance with the requirements defined in the DO. The Contractor shall verify the complete integration of the hardware and software of each hardware and software subsystem and the overall system through the utilization of formalized test procedures. The contractor shall verify the complete integration of the hardware and software of each hardware and software subsystem and the overall system through the utilization of formalized test procedures. A system level production approval review shall be completed to demonstrate that the total system has been verified to satisfy specification and baseline requirements for each system level, and to confirm readiness for production, distribution, operations, support, training, continuing improvement, and disposal specific to each delivery order.

3.3.5 Technology Insertion

As specified by each delivery order, BEST MAC shall provide a path-ahead for migration to and incorporation of future Force On Force (FOF) technological advancements. This includes the establishment of a TESS baseline configuration that is adaptable and can be extended to incorporate future technologies to provide benefits such as more realistic FOF training capability; reduced life-cycle (LC) support costs; and more realistic simulation for Army TESS. The contractor shall work with the Government to investigate new technology insertion plans through system analysis and trade studies.

Possible candidates for new technologies to be considered in the future include but are not limited to the following:

- a. Improving laser transmission through environments obscurants.
- b. Improving supportability, increase mean time between essential function failures.
- c. Reducing the size and weight of the devices.
- d. Lighter weight sensor and detector with improved detection fidelity.
- e. Reducing number and complexity of physical connections (cables and connectors).
- f. Improving the ability to quickly and easily introduce system upgrades.
- g. Minimizing test measurement and diagnostics equipment.
- h. System component modularity.
- i. Mobile Ad-hoc Network (MANET) System.
- j. GPS Position Logger.
- k. Direction and Position encoding on Laser Link.
- l. Incorporation of Fast Code.
- m. 1.55 μm Laser/Detector.
- n. Optical Communications Link.
- o. Passive helmet.
- p. Geometric pairing link.
- q. New laser diode.
- r. Future Army fire control systems, vehicle types, weapon systems.
- s. Weapon effects on vehicle crew within and outside the vehicle.
- t. Incorporation of total rounds fired data field, updated with every shot.
- u. Other technologies agreed upon via the I-MILES IPT.
- v. Vehicular Integration for Command, Control, Communication, Computers, Intelligence, Surveillance, Reconnaissance/Electronic Warfare (C4ISR/EW) Interoperability (VICTORY) bus integration.
- w. Encoding Azimuth, Deflection and Shooter Position into the MCC while maintaining backwards compatibility.
- x. LT2 PAN Crew Kill Modules
- y. Multifunction Vehicle Port (MFVP).
- z. Additional weapons and ammunition.
- aa. Additional Player IDs.
- bb. LTEC revisions.

3.3.6 System Safety Program

As specified by the individual DOs, the contractor shall maintain a safety process to identify, evaluate, and eliminate or control hazards throughout the BEST-MAC contract. As specified by individual delivery orders, the contractor shall perform Safety Engineering to meet the availability and specific safety requirements of each specific delivery order. The contractor shall ensure all BEST-MAC hardware, products and software services are designed to minimize safety and health risks to operators and maintainers in accordance with MIL-STD-882E.

3.3.7 Product Definition Data (PDD)

As specified by the individual DOs, during the systems engineering and design, and in accordance with MIL-STD-31000B, the contractor shall develop, produce, and maintain PDD that accurately depicts the final product. The PDD is the technical description of items adequate for supporting an acquisition strategy, production, engineering, and logistics support. The PDD shall disclose complete design, logistics, manufacturing requirements, and the means of measuring compliance with the requirements. Piece part information (drawings, computer aided design files and meta data) and associated lists shall provide the necessary design, engineering, manufacturing, and quality assurance requirements information necessary to enable the procurement of an interchangeable item that duplicates the physical and performance characteristics of the original product, without additional design engineering effort or recourse to the original design activity.

3.4 Supportability Engineering

As specified by the individual DOs, the contractor shall conduct engineering analyses to establish quantitative and qualitative supportability guidelines. The contractor shall establish system supportability configurations consistent with system readiness and availability and life cycle cost goals specified in each specific DO. The contractor shall coordinate with existing LCCS using ACAs, develop initial fielding plans for the system and verify that the maintenance actions and support structure are aligned with the maintenance concept.

3.4.1 Reliability Engineering

As specified by individual delivery orders, the contractor shall perform reliability engineering to meet the availability and specific Reliability requirements of each specific delivery order.

3.4.2 Maintainability Engineering

As specified by individual delivery orders, the contractor shall perform a maintainability engineering to meet the availability and specific Maintainability requirements.

3.4.3 Quality Engineering

As specified by the individual DOs, the contractor shall establish measurement points that

will provide maximum visibility into processes to assure contractual requirements are being met. The contractor shall select the proper methods to analyze these processes to continuously improve the system. Metrics shall be developed to assist management visibility into an adequate process control system. The contractor shall establish and maintain a computerized discrepancy tracking system with the ability to produce complete permanent records of all discrepancy or database listing. The contractor shall establish a suspense system to ensure timeliness of analysis and corrective action for discrepancies and risk reduction items. All discrepancy correction shall be documented and entered in an integrated database.

3.4.4 Producibility Engineering

As specified by the individual DOs, the contractor shall perform production planning to ensure a smooth, timely, and cost-effective initiation of production. Planning tasks shall include those actions required to ensure that the product has stabilized, the manufacturing processes have been proven, and production facilities, equipment, capability, and capacity are in place to support the required delivery schedule.

3.4.5 Manpower and Personnel Integration (MANPRINT)

As specified by individual DOs, the contractor shall establish and maintain a formal Manpower and Personnel Integration (MANPRINT) engineering program as each specific delivery order requires.

3.4.6 Value Engineering

As specified by individual DOs, the contractor shall implement and use a value engineering program employing the value methodology. The contractor shall conduct multi-disciplined Joint Government value engineering methodology workshops in order to identify and implement areas for program/process improvement.

3.5 Cybersecurity

As specified by individual DOs, the contractor shall develop and maintain a Cybersecurity process to guide management and modification actions, document decisions, specify and track Cybersecurity requirements, document certification efforts, identify possible solutions, and maintain operational systems security. The contractor shall establish or adopt standards for managing Cybersecurity requirements and capabilities and a Cybersecurity engineering approach that emphasizes purposeful modification or configuration of security solutions. The contractor shall configure, integrate, and implement all architectures, plans, policies and security controls IAW the Department of Defense Risk Management Framework process.

3.5.1 Anti-Terrorism (AT) Level 1 Training

All contractor employees, to include subcontractor employees, requiring access to Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 60 calendar days after contract start date or effective date of incorporation

of this requirement into the contract, whichever is applicable. The contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 30 calendar days after completion of training by all employees and subcontractor personnel. AT level I awareness training is available at the following website:

<https://atlevel1.dtic.mil/at>.

All US based contractor employees and associated sub-contractor employees shall receive Government provided area of responsibility (AOR) specific AT awareness training as directed by AR 525-13.

3.5.2 iWATCH Training

The contractor and all associated sub-contractors shall brief all employees of the types of behavior to watch (training standards provided by the requiring activity ATO). This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR, military police, or local law enforcement. Training shall be completed within 60 calendar days of contract award and with 60 calendar days for new employees commencing performance with the results reported to the COR NLT 90 calendar days after contract award.

3.5.3 Protection Policy & Procedures

The contractor and all associated sub-contractors employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changed clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in the contractor security matters or processes.

3.5.4 Access to Government Information Systems

All contractor employees with access to a government information system shall be registered in the Army Training Certification Tracking System (ATCTS) at commencement of services, and must successfully complete the DOD Information Assurance Awareness training prior to access to the Information System and then annually thereafter.

3.5.5 Operations Security (OPSEC) Plan

3.5.5.1 OPSEC Training

Per AR 530-1, Operations Security, all contractor employees must complete annual Level I OPSEC awareness training. New contractor employees must complete Level I OPSEC training within 30 calendar days of their reporting for duty.

3.5.5.2 Threat Awareness Reporting Program (TARP)

For all contractors with security clearances, per AR 381-12 Threat Awareness and Reporting Program (TARP), contractor employees shall receive annual TARP training by a counterintelligence agent.

3.5.6 Information Assurance/Information Technology (IA/IT) Training

All contractor employees and associated sub-contractor employees must complete the DOD Information Assurance Awareness Training before issuance of network access and annually thereafter. Per DODD 8140.01 and AR 25-2, the contractor employees supporting CS/IT functions shall be appropriately certified upon contract award. The baseline certification as stipulated in DODD 8140.01 shall be completed upon delivery order award. Computer environment certification must be comply with within 6 months of employment.

3.5.7 Spectrum Management

As specified by each delivery order, the contractor shall ensure compliance with the policies and procedures for the Army Frequency Allocation to Equipment (Army J/F-12) Program as described in AR 5-12, Chapter 4 for any system that operates in an electromagnetic spectrum.

3.6 Logistics

As specified by each delivery order, the contractor shall conduct engineering analyses to establish quantitative and qualitative supportability design guidelines. The contractor shall conduct trade studies, evaluate design and support alternatives, and establish system supportability preliminary design configurations consistent with system readiness and availability and life cycle cost goals. All Commercial Off-the-Shelf (COTS) manuals shall be reviewed to ensure changes, updates, revisions, or supplementation are completed and address the components actually being installed IAW MIL-PRF-32216B. The contractor shall perform the necessary tasks and activities for logistics, fielding and sustainment. The Government will address the specific requirements in each delivery order. The following table provides a representative list of tasks and activities that could be required by specific delivery orders with respect to Logistics, Support Resources, Publications, Training, Fielding and Sustainment:

Requirements Analysis	Publication In Process Reviews
Accounting Requirements Codes	Reliability Analyses
Authentication	Repair Level Analyses
Baseline Drawing Revisions	Repair Procedures
Commercial Off The Shelf Publications	SCORM Compliance
Common and Bulk Items	Serial Numbers
Course Conduct Information	Site Support
Diagnostic Procedures	Software Support Environment
Engineering Services	Source, Maintenance, and Recovery Codes

Facility Analyses and Summary	Spares and Support and Test Equipment
Fielding plans	Supply Support
Initial Spares and Repair Parts Lists	Support Analyses
Instructional Media Design	Support Concepts
Instructional Media Package	Supportability Analysis
Instructional Media Requirements	Sustainment Transition
Instructional Performance Requirements	Technical Publications
Interim Contractor Support	Test and Evaluation
Inventory Support	Tools and Test Equipment
IUID Marking and Reporting	Training and Support
Life Cycle Software Engineering Environment	Training Assessments
Logistics Database Management	Training Conducts Support
Logistics Demonstration	Training Facility and Equipment
Maintenance Actions	Training Products
Maintenance Planning	Training Reviews
Manpower, Personnel and Training	Training Situation Document
Materiel Component List	Training System Support
Parts Management	Transition Planning
Pocket Guides	Validation
Post Production Support	Verification
Provisioning Parts List	Warranty Data

3.6.1 Contractor Support

The contractor shall perform the tasks necessary to operate, maintain and support the core assets, products, and fielded systems as each specific order defines. As specified by each delivery order, the contractor shall provide all supplies, services and system/configuration management necessary to perform Interim contractor Support (ICS).

3.6.2 Disclosure of Information

The contractor shall comply with the protection standards and guidance described in DoDM 5200.48 to prevent foreign intelligence collection and/or the unauthorized disclosure of information.

3.6.3 Weapon and Ammunition Storage and Transportation

The contractor shall comply with the requirements of DoD 5100.76-M when handling conventional arms, ammunition, and explosives.

3.6.4 Supportability Analysis and Logistics Product Data

As specified by individual DOs, the contractor shall conduct repair analyses, develop diagnostic, preventative maintenance, and repair procedures, conduct facilities analyses, refine hardware and software maintenance and support concepts, and identify support resource requirements including required spares and support equipment. The contractor

shall produce a periodic maintenance plan that addresses all legacy and new systems/subsystems. Using Source Maintenance and Recoverability (SMR) codes, the contractor shall develop an items list identifying which should be repaired, removed/replaced, be discarded and the level of maintenance at which the actions should be performed with the associated cost. The contractor shall document all input data, the corresponding value/cost and data source. Commercial warranties shall be transferable to a third-party contactor. The Contractor shall document and report to the Government as described by GEIA-STD-0007C, GEIA-GB-0007B, and TA-HB-0007-1. The contractor shall document and report to the Government:

- Maintenance Allocation Chart (MAC)
- Failures Modes Effects and Criticality Analysis (FMECA)
- Reliability Centered Maintenance (RCM)
- Maintenance Task Analysis (MTA)
- Provisioning Parts List (PPL)
- Repair Parts and Special Tools List (RPSTL)
- Maintenance Plan Report Indentured Parts List
- Spares and Support Equipment Identification List
- Support Equipment Tool List
- Bill of Materials
- Periodic Maintenance Plan
- Level of Repair Analysis (LORA)
- Support and Test Equipment
- Manpower, Personnel, and Training
- Inventory Catalog with DA Form 3161/2062
- Packaging, Handling, Storage, and Transportation
- Post-Deployment Software Support (PDSS)
- Warranty Information

3.6.5 Initial Spares

As specified by individual DOs, to reduce cost and mitigate obsolescence risk, it is the Government's intent to have the contractor procure initial spares. The contractor shall provide the rational for the recommended spare parts list. Items such as acquisition lead time, system criticality, and failure rate shall be considered as part of the rational. The contractor shall provide spare components that are the same as, interchangeable with, or meet the form, fit, and function requirements of the components included in the delivered training system and other deliverable hardware. The contractor shall ensure that these items are configured identically to the respective training device like components. When

possible, the contractor shall procure initial spares on the same purchase order as the system hardware. After on-site delivery, the Government reserves the right to test all or a portion of the initial spares. The contractor shall replace all failed or utilized spares prior to Government acceptance.

3.6.6 Publications Validation/Verification

As specified by individual DOs, the contractor shall complete the validations on all technical publications, changes, supplemental data and revisions prior to CDRL submission. The contractor shall develop the verification plan and shall submit to the Government to review. The contractor shall assist PEO STRI IPT members with the verifications to confirm that the Technical Manuals (TM) are accurate. The IPT may choose to perform manual verification concurrently with the validation effort. Correction of discrepancies and changes resulting from training, testing, and reviews shall be incorporated into the TM. The contractor shall provide system equipment, technical and engineering support and facilities as required to aide in the performance of verification efforts. The contractor shall incorporate all comments from compliance-reviews, technical accuracy reviews and verification reviews into the final submission of TM. Verification shall be rescheduled if it resulted in more than fifteen percent of the manual requiring correction. A technical publication shall not be ready for validation or verification until the following conditions have been fulfilled:

- Engineering technical review has been completed.
- Information, illustrations, and parts lists reflect correct configurations of the system and equipment, to include all engineering changes.
- Procedural instructions are readily understandable by the intended user and adequate to perform all operations and maintenance functions.
- All procedures have been performed to assure accuracy and performance requirements.
- Adequacy of data is checked to ensure that it supports the approved maintenance and support plan.
- The proper hardware configuration is available for the validation and verification effort.
- All safety hazards identified in the safety assessment report are resolved and identified within the text as cautions or warnings necessary to protect the equipment or personnel as appropriate.
- The use of any hazardous material has been identified.

3.6.7 New Equipment Training (NET)

As specified by individual DOs, the contractor shall define, develop and provide NET to an initial cadre of users/operators and maintainers to understand the functional, operational and maintenance capabilities and requirements. This training shall be a self-contained course and provide detailed fielded system operational and maintenance knowledge. The contractor shall develop and provide a system operation and maintenance training package that uses a combination of classroom, written instructions, and hands-on operation. All course instruction shall use the English language. The contractor shall analyze, prepare, and provide digital and hard copies for all training courseware including

program of instruction (POI) lesson plans and practical exercises to accommodate conducting NET. The contractor shall develop a complete and exportable training support package that integrates training products, job aids, materials, quick reference guides, and other pertinent information as necessary to train the system. The contractor shall design and develop this training support package using instructional systems design processes. For commercial and NDI courses, existing materials shall be utilized. The contractor shall develop a criteria based performance test to measure the student's ability to perform job-related competencies. Class size, training location, facilities and equipment, course completion criteria and timing of training will be further defined by the individual program requirements.

3.6.8 NET Verification

As specified by individual DOs, the contractor shall assist PEO STRI IPT members with the verifications to confirm the NET package is accurate. Discrepancies and change corrections resulting from training, testing, and reviews shall be incorporated into the NET. The contractor shall provide system equipment, technical and engineering support and facilities as required to aid in conducting the NET verification. The contractor shall incorporate all comments from compliance-reviews, technical accuracy reviews and verification reviews into final NET submission. Verification shall be rescheduled if the NET package requires more than fifteen percent (15%) of the package to be corrected.

3.6.9 Interim Contractor Support (ICS)

As specified by individual DOs, the contractor shall provide ICS for an interim period, not to exceed twenty-four (24) months, until adequate transition of this responsibility can be achieved. The contractor shall provide all supplies, services, materials and system/configuration management necessary to perform ICS, such as:

- Providing all administrative, operational, repairing, diagnostic, fixes, and site support.
- Documenting changes and providing revision program, hardware, software and spares.
- Maintaining accurate accounting of all items turned in for maintenance, to include the repairs/services done and root cause of fault and deliver this information to the government.
- Providing a software support environment to include all commercial, Government provided, contractor proprietary software, all necessary documentation/specifications, and executing hardware to include all applicable licenses necessary to enable the Government to fully support all system software.
- Maintaining a high level of security awareness commensurate with the Mission Assurance Category (MAC) and Confidentiality Level. The contractor shall implement the Army approved Information Assurance Vulnerability Management program during the ICS period and shall assist in compliance reporting.
- Provide services to maintain and update system software for the duration of the

ICS effort.

- At the end of the ICS effort, the contractor shall deliver, install, and check-out for proper operation a subset of the development software support environment to serve as the sole means for the system software sustainment.
- At the end of the ICS effort, the contractor shall replace any hardware experiencing Government Loss, Damaged and Destroyed (GLDD) equipment.

3.6.10 ICS Engineering Services

As specified by individual DOs, the contractor shall provide engineering services to support the program and system operational use. Engineering services efforts are limited to those non-repetitive investigation, inspection, analysis, evaluation, design, documentation, fabrication, and testing tasks which are in addition to those services required by the interim ICS effort or to deliver acceptable hardware items after start of production.

3.6.11 ICS Transition Planning

As specified by individual DOs, during the conclusion of the ICS period the contractor shall provide support to ensure a smooth transition and minimize any impact on the system/subsystem operational readiness and capabilities. The contractor shall provide access to site, ICS activities, and to all documentation on a not-to-interfere basis during the transition phase-out period. The contractor shall retain full responsibility for the system support until completion of the phase-out period. The transition effort shall include an analysis of all failures and maintenance actions undertaken during the interim support and revising technical publications subject to Government approval to reflect actual fielded system support experience. Prior to the expiration of the DO, during the phase out period, a Government and contractor team shall jointly inventory all Government Furnished Property (GFP) and GFI. The contractor shall be responsible for supplying replacements for missing or damaged items at the end of the contract performance period. The contractor shall also provide an accurate listing of parts at vendors for repair. The contractor shall certify the inventory after completion of the inventory. If any GFP item (s) are not repaired or replaced in the required transition period the Government may initiate action to have the item(s) repaired or replaced at the contractor expense. These costs will be withheld from the monthly maintenance contract line items in the contract.

3.6.12 Transition to Life Cycle Contractor Support (LCCS)

As specified by individual DOs, the contractor shall synchronize with the PEO STRI LCCS contractor for the bi-directional communication regarding the DO delivered system components, subsystems, and systems. As specified by individual DOs, the contractor shall provide 100% of the applicable System Support Package (SSP), transitional training, and transition support to the LCCS contractor. At the end of the ICS effort, the contractor shall replace any hardware experiencing Government Loss, Damaged and Destroyed (GLDD) equipment.

3.6.13 Item Unique Identification (IUID)

As specified by individual DOs, the contractor shall coordinate among the IPT members to determine items requiring Item Unique Identification including embedded subassemblies, components and parts, and identify the IUID to be used for each item. The contractor shall provide item unique item identification, or a DoD recognized unique identification equivalent, for all identified items delivered. The contractor shall enter all IUID data into the DoD IUID database (<https://iuid.logisticsinformationservice.dla.mil/BRS>). IUID marking design for each item shall be both machine readable and human readable in accordance with MIL-STD- 130N, paragraph 5.2. The contractor shall implement and manage an IUID Program for all hardware. The contractor shall ensure all equipment meeting the IUID criteria is marked and the applicable data is submitted to the DoD IUID Repository. The contractor shall comply with DFARS 252.211-7003 to provide IUID, or DOD recognized unique identification equivalent, for all applicable equipment items per the guidance called out in DFARS 252.211-7003, AR 700-145, and MIL-STD 130N. The contractor shall provide and maintain an accurate, current IUID report for all manufactured items to include dates of manufacture, substitutions, shop changes, and so forth.

NOTE: For more guidance, <http://www.acq.osd.mil/dpap/pdi/uid/index.html> and Defense Acquisition Guidebook, Chapter 4, systems engineering UID considerations.

3.6.14 Diminishing Manufacturing Sources and Material Shortages DMSMS/Obsolescence Management

As specified by individual DOs, the contractor shall execute a proactive DMSMS management program in accordance with (IAW) the ANSI/TA-STD-0016 for the period of performance of individual DOs. The Government's objective in this program is to cost-effectively identify and resolve DMSMS issues and maintain—to the maximum practical extent—a minimum five-year interval before any DMSMS issue is forecast to occur on any LRU in the system. The program shall address how the contractor will identify part DMSMS issues, assess potential risks, develop an obsolescence strategy, and determine the most cost effective solution to part DMSMS Issues. The program shall also address plans for the transition of DMSMS/Obsolescence activities from the contractor to the government or another contractor at the conclusion of this contract. The Contractor's plan to conduct the DMSMS/Obsolescence program shall be documented in a DMSMS Management Plan prepared and delivered IAW DI-MGMT-81948 and ANSI/TA-STD-001.

The contractor's DMSMS Management Plan shall include a description of their process and procedures for selecting parts which meet the government's objective of utilizing Standard or Commonly Available Parts with at least five (5) years to the end of life (YTEOL). Note that the contractor may satisfy this requirement by including a corporate Parts Management Plan (or equivalent, if one exists) as an appendix to the DMSMS Management Plan at the Contractors discretion. The contractor's DMSMS Management Plan shall also include procedures for both participation in the Government Industry Data Exchange Program (GIDEP) and participation in a semiannual government-chaired Obsolescence Working Group (OWG). To the extent that these procedures may not currently exist in an existing corporate DMSMS Management Plan (or equivalent), then

these procedures may be documented in the existing plan as an appendix at the contractor’s discretion. The contractor shall ensure its subcontractors adhere to the DMSMS/Obsolescence requirements. The contractor shall be responsible for all costs associated with mitigating DMSMS issues, including:

- a) Monitoring parts, material and software availability;
- b) Locating alternate/substitute parts and/or material and software;
- c) Vendor interface and communication;
- d) Any required redesign activities;
- e) System compatibility assurance;
- f) Interface with the Army network; and
- g) Non-government qualification testing.

The contractor’s shall propose DMSMS mitigation strategies to prevent or minimize future costs from being incurred by the government over a five-year planning horizon. Life-of-type buys mitigation strategies are generally considered interim solutions and shall not be adopted without government concurrence.

As specified by individual DOs, design changes shall be made in accordance with the Configuration Management requirements. Notwithstanding any DMSMS/Obsolescence issues or problems, the contractor shall remain responsible for meeting all performance and other requirements.

3.7 Contract Data Requirements List (CDRL)

As specified by individual DOs, contractor shall submit the following documents. The below list is a representative sampling of the types of CDRLs the Government may require; these CDRLs may change and/or additional CDRLs may be added to support the individual DOs.

Document ID	Title
DI-SESS-81758A	Logistics Product Data
DI-SESS-81759A	Logistics Product Data Summaries
DI-PSSS-81656B	Bill of Materials (BOM) for Logistics and Supply Chain Risk Management
MIL-STD-40051-2D	Preparation of Digital Technical Information for Page-Based Technical Manuals - Maintenance Manuals
MIL-STD-40051-2D	Preparation of Digital Technical Information for Page-Based Technical Manuals - Operator Manuals
DI-SESS-81523	Training Conduct Support Document
DI-SESS-81000F	Product Engineering Design Data and Associated Lists
DI-MGMT-81804A	Item Unique Identification (IUID) Marking Activity, Validation and Verification Report
DI-TMSS-80527D	Commercial-Off-the-Shelf (COTS) Manuals and Associated Supplemental Data
DI-MGMT-81861C	Integrated Program Management Data and Analysis Report (IPMDAR)

DI-MGMT-81928	Contractor's Progress and Status Report
DI-MGMT-81334D	Contract Work Breakdown Structure
DI-MGMT-81468A	Contract Funds Status Report (CFSR)
DI-MGMT-81651	Contract Invoicing and Payment Report
DI-MGMT-80797A	Producibility Analysis Report
DI-MISC-80508B	Technical Report - Study/Services
DI-SDMP-81470A	Department of Defense (DoD) Interface Standard Documents
DI-EMCS-80201C	Electromagnetic Interference Test Procedures (EMITP)
DI-EMCS-80200C	Electromagnetic Interference Test Report (EMITR)
DI-SESS-80639E	Engineering Change Proposal (ECP)
DI-IPSC-81436A	Interface Design Description (IDD)
DI-IPSC-81434A	Interface Requirements Specification (IRS)
DI-ILSS-81226	Interim Contractor Support (ICS) Parts Usage and Maintenance Data Collection Re-competition Support Package
DI-TMSS-81821	Technical Manual Verification Incorporation Certificate
DI-QCIC-81794A	Quality Assurance Program Plan (QAPP)
DI-NDTI-80566A	Test Plan
DI-MISC-81622	Test Problem Report
DI-SESS-81628	Reliability Test Reports
DI-SAFT-80102C	Safety Assessment Report (SAR)
DI-SESS-80643E	Specification Change Notice (SCN)
DI-SAFT-80101C	System Safety Hazard Analysis Report (SSHA)
DI-MISC-80711A	Scientific and Technical Reports
DI-IPSC-81432A	System/Subsystem Design Description (SSDD)
DI-IPSC-81431A	System/Subsystem Specification (SSS)
DI-NDTI-80603A	Test Procedure
DI-NDTI-80809B	Test/Inspection Report
DI-MGMT-81644B	DoD Architecture Framework Documentation
DI-SESS-80858D	Supplier's Configuration Management Plan
DI-MGMT-81651	Contract Invoicing and Payment Report
DI-IPSC-81435B	Software Design Description (SDD)
DI-IPSC-81441A	Software Product Specification (SPS)
DI-IPSC-81442A	Software Product Specification (SPS)
DI-ADMN-81505	Report, Record of Meeting/Minutes

3.8 Disclosure of Information

The contractor shall comply with the protection standards and guidance described in DoD Manual 5200.48 to prevent foreign intelligence collection and/or the unauthorized disclosure of information.

3.9 Marking

The Contractor shall implement and maintain security procedures and controls to prevent

unauthorized disclosure of classified information and controlled unclassified information (CUI) and to control distribution of CUI in accordance with DoD 5220.22-M (NISPOM) and Title 32 CFR Part 2002. All information generated by the Contractor shall be properly marked. Technical information shall also be marked with appropriate Distribution Statements and Export Control warnings in accordance with DoDD 5230.24 and program Security Classification Guidance.

3.10 Counterfeit Management

3.10.1 Counterfeit Risk Management (CRM) Program

As specified by individual DOs, the contractor shall implement a Counterfeit Risk Management (CRM) Program, in accordance with AR 702-20, to address counterfeit parts and materiel management of the supply chain. The contractor shall ensure the CRM program meets all counterfeit prevention measures listed in DoDI 4140.67. The contractor shall use new and authentic materials, commodities, items, assemblies, subassemblies, and components. The contractor shall purchase materials directly from original equipment/component manufacturers, manufacturer authorized/franchised distributors, or authorized aftermarket manufacturers. The contractor shall, at the time of each individual Supplier quotation to a Seller, shall obtain from Seller: (i) the company name and location of the source of supply, and (ii) a representation that Seller is authorized to sell the Material. The contractor shall have access to the Government-Industry Data Exchange Program (GIDEP) for both counterfeit prevention and counterfeit notification.

3.10.2 Reporting Counterfeit or Suspected Counterfeit Parts

As specified by individual DOs, the contractor shall report all counterfeit or suspected counterfeit parts to the PCO within 5 days and GIDEP NLT 60 days of making that determination. In reporting this to the PCO, the contractor shall also address the impact of this determination on current contract requirements

Appendix A - Acronym List

ACA	Associate Contractor Agreement
AT	Anti-Terrorism
ATCTS	Army Training Certification Tracking System
BEST-MAC	Bridge to Enduring STE TESS Multi-Award Contract
BER	Beyond Economical Repair
BPR	Beyond Physical Repair
CAC	Common Access Card
CAGE	Commercial and Government Entity
CAIV	Cost as an Independent Variable
CBT	Computer Based Training
CAWG	Core Asset Working Group
CD	Controller Device
CDE	Controlled Development
CDRL	Contract Data Requirement List
CI	Configuration Item
CHESS	Computer Hardware, Enterprise Software Solutions
CL	Confidentiality Level
CLS	Contractor Logistics Support
CM	Configuration Management
CMMI	Capability Maturity Model Integration
CMMI – DEV	Capability Maturity Model Integration - Development
CMP	Configuration Management Plan
CONUS	Continental United States
COTS	Commercial-off-the-Shelf
COR	Contracting Officer's Representative
CRM	Counterfeit Risk Management
CSCI	Computer Software Configuration Item
CUI	Controlled Unclassified Information
CVS	Combat Vehicle System
CTC	Combat Training Center
CTR	Continuous Technology Refreshment
DCMA	Defense Contract Management Agency
DFARS	Defense Federal Acquisition Regulation Supplement
DMSMS	Diminishing Manufacturing Sources and Material Shortages

DOD	Department of Defense
DO	Delivery Order
DODD	Department of Defense Directive
DODI	Department of Defense Instruction
DS	Depot Support
ECP	Engineering Change Proposal
EEE	Electrical, Electronic and Electromechanical
EVM	Earned Value Management
EVMS	Earned Value Management System
FBL	Functional Baseline
FOF	Force on Force
FMECA	Failures Modes Effects and Criticality Analysis
FPCON	Force Protection Condition
GFE	Government-Furnished Equipment
GIDEP	Government-Industry Data Exchange Program
GLDD	Government Loss, Damaged and Destroyed
GPR	Government Purpose Right
IA	Information Assurance
IA/IT	Information Assurance/Information Technology
HQDA	Headquarters, Department of Army
IAW	In Accordance With
ICD	Interface Control Document
ICS	Interim Contractor Support
IDD	Interface Design Description
IMP	Integrated Master Plan
IMS	Integrated Master Schedule
IPPD	Integrated Product and Process Development
IPR	In Process Review
IPT	Integrated Product Team
IS	Instrumentation Systems
IWS	Individual Weapons Systems
LCC	Life Cycle Cost
LCCS	Life Cycle Contractor Support
LPAN	Live Player Area Network
LTEC	Live Training Engagement Composition
LRIP	Low Rate Initial Production
LT2	Live Training Transformation

MAC	Mission Assurance Category/ Multi-Award Contract
MAC	Maintenance Allocation Chart
MANET	Mobile Ad-hoc Network
MANPRINT	Manpower and Personnel Integration Program
MCC	MILES Communication Code
MCD	Micro Controller Device
MILES	Multiple Integrated Laser Engagement System
MTA	Maintenance Task Analysis
NSN	National Stock Number
NET	New Equipment Training
NETCOM	Network Enterprise Technology Command
MFPV	Multifunction Vehicle Port
NLT	Not Later Than
OCONUS	Outside Continental United States
OEM	Original Equipment Manufacturer
OPSEC	Operations Security
OUM	Operators User Manual
OWG	Obsolescence Working Group
PCO	Procuring Contract Officer
PDD	Product Definition Data
PDSS	Post Deployment Software Support (PDSS)
PEO STRI	Program Executive Office for Simulation, Training and Instrumentation
PMR	Program Management Review
PPL	Provisioning Parts List
POI	Program Of Instruction
QMS	Quality Management System
RCM	Reliability Centered Maintenance
RPSTL	Repair Parts and Special Tools List
RTM	Requirements Traceability Matrix
SAR	Safety Assessment Report
SCORM	Sharable Content Object Reference Model
SLEP	Service Life Extension Programs
SLM	Shoulder Launched Munitions
SOW	Statement of Work
SPS	Software Product Specification
STE	Special Test Equipment

ST&TE	Special Tools & Test Equipment
STE LTS	Synthetic Training Environment – Live Training Systems
STIG	Security Technical Implementation Guide
SVD	Software Version Descriptions
TARP	Threat Awareness Report Program
TSO	Training Support Operations
TVS	Tactical Vehicle Systems
TESS	Tactical Engagement Simulation Systems
UCD	Universal Controller Device
UID	Unique Identification
VICTORY	Vehicular Integration for C4ISR/EW (Command, Control, Communication, Computers, Intelligence, Surveillance, Reconnaissance/Electronic Warfare) Interoperability
VTESS	Vehicle Tactical Engagement Simulation System
YTEOL	Years to The End Of Life