

UNITED STATES MARINE CORPS
PERFORMANCE WORK STATEMENT
FOR
VIRTUAL TRAINING SYSTEMS SUSTAINMENT (VTSS)
ATTACHMENT J.1



18 April 2019

Version 1.0

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REVISION LOG

Date	Version	Revision Description
20 March 2019	1	Base PWS

1 General

The Program Manager, Training Systems (PM TRASYS) is the Marine Corps Systems Command (MARCORSYSCOM) Program Manager responsible for the life cycle systems support for training systems, environments, and devices. This is a non-personnel services contract to provide Contractor Logistics Support (CLS) for Virtual Training System Sustainment (VTSS). The Government will neither supervise Contractor employees nor control the method by which the Contractor performs the required tasks. The Government will not assign tasks to or prepare work schedules for individual Contractor employees. Such contract service providers shall be accountable solely to the Contractor who, in turn is responsible to the Government.

It shall be the responsibility of the Contractor to manage their employees and to guard against any actions that are in the nature of personal services or give the perception of personal services. If the Contractor believes that any actions constitute or are perceived to constitute personal services, it shall be the Contractor's responsibility to notify the Procurement Contracting Officer (PCO) and Contracting Officer Representative (COR) immediately.

1.1 Description of Services

The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform Training System CLS support as defined in this Performance Work Statement (PWS). The Contractor shall maintain all training devices and facilities in a Ready for Training (RFT) status, manage Contractor work force, and manage all materials and Government Furnished Property (GFP). RFT status means a training system is fully functional and operational to support organized training activities, which occurs when the requirements in the applicable TSO to prepare the system for training are completed.

This PWS and attached Training System Overview (TSO) provide details of various considerations of this effort. The Contractor shall coordinate all activities needed to successfully perform all PWS requirements and shall perform to the standards in this contract. Unless otherwise stated in a TSO, the requirements in the TSO are in addition to those set forth in this PWS. To the extent that any TSO does not include the requirements set forth in the PWS as part of the performance requirements worksheet, the Contractor is not relieved from performing all of the PWS requirements described herein. The Contractor shall seek to ensure customer satisfaction through the professional and ethical behavior of all Contractor personnel.

1.2 Scope

This PWS defines the requirements for a consolidated logistics sustainment contract which provides operator, maintenance, and materiel support for United States Marine Corps (USMC) training systems. The training systems supported on the VTSS contract include:

- Combat Vehicle Training Systems (CVTS)

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- Light Armored Vehicle (LAV)-25 Advanced Gunnery Training Systems (AGTS)
 - Pre-Brief/After Action Review (PAAR) System
 - Permanent AGTS
 - Relocatable AGTS (RAGTS)
 - Deployable AGTS (DAGTS)
 - Tabletop AGTS (TAGTS)
 - Mobile AGTS (MAGTS)
- LAV-25 Driver Trainer (LAV-DT)
- Amphibious Assault Vehicle (AAV) Turret Trainer (AAV-TT)
- M1A1 AGTS
 - PAAR System
 - RAGTS
 - DAGTS
 - TAGTS
 - MAGTS
- Combat Convoy Simulator (CCS)
- Virtual Combat Convoy Trainer/Reconfigurable Virtual Simulator (VCCT/RVS)
- Indoor Simulated Marksmanship Trainer (ISMT)
 - ISMT Legacy
 - ISMT- III
- USMC Operator Driver Simulator (ODS)
 - Mobile
 - Fixed
- Improved Moving Target Simulator (IMTS)
- Dry Egress Trainers (DRET)
 - MRAP Egress Trainer (MET)
 - HMMWV Egress Assistance Trainer (HEAT)
 - Joint Light Tactical Vehicle (JLTV) Egress Trainer (JET)

The sustainment support provided by this VTSS contract is identified in this PWS and shall include management, help desk, technical data, Management Information System (MIS), logistics, maintenance, and training support, as well as systems operations, functionality, reallocation, training system modification inspection and transition, surge, and relocation support. Detailed functional descriptions, further defined requirements, and locations of each VTSS training system are provided in the TSO located in Section J (Attachment J.2 (TSO)) of the VTSS Contract.

The VTSS training systems are located at USMC installations, USMC Reserve Training Stations, United States Navy (USN) Bases, United States Embassy locations, and aboard USN vessels.

The Contractor shall provide the necessary manpower, technical expertise, materiel support, and management oversight for the requirements defined in this PWS.

1.3 Period of Performance

The Period of Performance (PoP) shall be for (1) one Base Year of 12 months, and one (1) 12-month Option Year (OY). Of note, the contractor is responsible for all mobilization actions and associated costs (as indicated within this contract inclusive of this PWS – for example, during “phase in” prior to Contract Service Date (CSD) as discussed in PWS paragraph 1.4.17 and following). The contractor shall be able to perform and execute all VTSS contract requirements on the first day of performance of the Base Year period.

1.4 General Information

1.4.1.1 Invoicing

The Government is using annual funds in order to pay Contractor invoices. As a result, the Government will be prejudiced and may be unable to pay invoices that are submitted more than 60 days after the Contractor has performed the services or delivered goods. The Government is particularly concerned with respect to costs incurred under any cost type CLIN identified in Section B.

For cost CLINs, per DFARS Clause 252.211-7003, the vendor will use Invoicing, Receipt, Acceptance and Property Transfer (iRAPT), previously known as Wide Area Workflow (WAWF). The Contractor shall mark and register the government assigned serial number on the item in accordance with DFARS Clause 252.211-7008. The Contractor is required to input the government assigned serial number on the invoice in the Line Item, CLIN/SLIN, under “Description” along with submitting a copy of the delivery confirmation documentation and packaging slip.

1.4.2 Contract Management

The Contractor shall plan, manage, execute, and document the activities required to meet the requirements of this PWS. The Contractor shall establish processes and assign appropriate resources to effectively administer the requirements set forth in this PWS. The Contractor shall respond to Government requests for contractual deliverables. The Contractor shall be responsible for performance of the requirements as defined and shall institute appropriate management actions relative to Contractor performance.

The Contractor shall establish clear organizational lines of authority and responsibility to ensure effective management of the resources assigned to the requirement. The Contractor shall maintain continuity between the support operations at various Contiguous United States (CONUS) and Outside Contiguous United States (OCONUS) training locations as well as the Contractor's corporate offices.

1.4.2.1 Personnel Administration

The Contractor shall manage personnel performance, make necessary travel arrangements for employees, provide necessary infrastructure to support contract tasks, provide administrative support and bear all costs for contract support and administration, and any other costs associated with the performance of this contract. The Contractor shall ensure all Contractor personnel are in compliance with base regulations regarding appearance, conduct, safety and security.

1.4.2.2 Personnel Safety

Contractor employee clothing and shoes shall conform to safety regulations. The contractor shall also bear all costs to obtain all clothing and safety equipment for employees.

1.4.2.3 Training

The Contractor shall maintain the training and technical currency of their employees by providing initial and refresher training at all times including training of replacement personnel. Employee training shall provide all the necessary skills/certifications required to maintain and operate training devices (e.g., forklift certification, weapons repair and maintenance certification, Electrostatic Discharge training, etc.).

The training systems, equipment, and services outlined in the PWS and TSO may be operated on an individual basis or may be combined in simultaneous operations. Simultaneous operational support requires Contractor personnel to provide concurrent operation and maintenance of all assigned training systems and equipment at various locations for a scheduled period of time in response to a training requirement. As a result, the Contractor shall cross-train employees on VTSS training systems located in the same or nearby locations in order to support simultaneous operations.

Contractor personnel accessing information systems shall have the Information Assurance training and certification required in Department of Defense Federal Acquisition Regulation Supplement (DFARS) clause 252.239-7001, and DoD 8570.01-M. The Contractor shall comply with DoD Directive 8140.01 "Cyberspace Workforce Management." The Contractor shall be responsible for all training costs of Contractor employees. New Equipment Training (NET) will be provided by the Government after system upgrades or modifications when the Government determines is appropriate. The Contractor shall maintain employee/personnel training records on-site and make them available to the COR upon request.

1.4.3 Holidays

Training events may be scheduled during federal Government holidays.

1.4.4 Hours of Operation

The hours of operations for each individual VTSS system (and, if applicable, location) are addressed in the applicable TSO. Hours of operation, as referenced in the TSOs, shall be flexible

to best support Fleet Marine Force customer needs (e.g. if the core hours within a given TSO are Monday through Friday, from 0700 through 1700 each day, the contractor shall be flexible to support shifts in hours for a given training day). For example, as requested by the Government, the contractor might have to shift the weekday 0700 through 1700 schedule on Thursday to a revised schedule of 0800 through 1800. In such cases, the Government will provide the contractor sufficient notice (at least 72 hours prior to execution).

The Contractor shall ensure preventive maintenance actions are completed by scheduling maintenance times outside of Government Scheduled Use (GSU). GSU is a block of time designated by the Government for the purpose of using a VTSS training system. The time scheduled may include but is not limited to: time for instructor preparation, curriculum or scenario development, training, demonstrations, inspections, modifications and upgrades, or other Government purposes. Refer to the individual TSO for training systems specific requirements and normal operating widows.

The Contractor shall maintain an adequate workforce for the uninterrupted simultaneous performance of all tasks defined within this PWS and TSO when the Government facility is not closed. The Contractor shall provide operator/maintenance coverage at sites during all workdays, and should staff appropriately such that neither staffing levels nor performance are reduced due to illness or leave status of assigned personnel.

1.4.5 Place of Performance

The work to be performed under this contract will be performed at Contractor, Government, and training site facilities. The VTSS training systems are located at USMC installations, USMC Reserve Training Stations, USN Bases, United States (U.S.) Embassy locations, and aboard USN vessels. Refer to the individual TSO for training systems specific requirements and locations.

The Contractor shall follow the applicable Status of Forces Agreement (SOFA) as required.

1.4.6 Government Provided Space

In addition to office space that may be available as part of the training facility (e.g., IMTS, CCS) described in the TSO, the Government will provide work spaces, office furniture, and limited storage bins and shelves currently provided on the VTSS predecessor contract N00178-10-D-6248-MU62. The locations are currently at Marine Corps Base (MCB) Hawaii, Marine Corps Air Ground Combat Center (MCAGCC) 29 Palms, Camp Pendleton, CA, Camp Lejeune, NC, MCB Quantico, VA, Marine Corps Air Station Iwakuni, and Camp Hansen, Japan. The Government will not provide phones, computers, servers, routers, modems, internet service, copiers, or printers. If needed by the specific installation, the Contractor's internet connection may be indicated as an official requirement in order to obtain base approval. (For example, at the 29 Palms site, at the Government provided warehouse, located at Bldg 1707, the internet access is considered an official requirement.) The Government reserves the right to relocate office, storage and maintenance space currently designated for Contractor use.

1.4.7 Type of Contract

The Government will award a FFP contract with certain Cost CLINs for Surge, Reallocations, and Major Facility Maintenance items as described herein.

FFP CLINs include all direct costs, all indirect costs, and any profit associated with meeting the requirements, which, in this case, includes all necessary labor, required repair parts, consumables, tooling, other materials, subcontract cost, shipping, travel, overhead, fringe, G&A, profit and any other direct or indirect cost that the contractor deems necessary to comply with the requirements identified in this PWS.

1.4.8 Security Requirements

The information provided to the Contractor will be unclassified and/or Controlled Unclassified Information (CUI). The Contractor is not required or expected to have a Facility Clearance and Contractor personnel supporting this effort are not required to possess Personnel Clearance Levels. Any Contractor personnel requiring access to U.S. Government CUI shall possess a completed background investigation (minimum of a T-1/NACI) for this Public Trust Position.

1.4.8.1 Physical Security

The Contractor shall be responsible for safeguarding all Government equipment, information and property provided for Contractor use. Actions that prevent the loss or damage of Government property. At the close of each work period, Government facilities, equipment, and materials shall be secured.

1.4.8.2 Key Control

The Contractor shall establish and implement methods of making sure all keys/key cards issued to the Contractor by the Government are not lost or misplaced and are not used by unauthorized persons. NOTE: All references to keys include key cards. No keys issued to the Contractor by the Government shall be duplicated. The Contractor shall develop procedures covering Key Control that shall be included in the Quality Control Plan (QCP). Such procedures shall include turn-in of any issued keys by personnel who no longer require access to locked areas. The Contractor shall immediately report any occurrences of lost or duplicate keys/key cards to the PCO and local Government contracting surveillance individuals.

In the event keys, other than master keys, are lost or duplicated, the Contractor shall, upon direction of the PCO, re-key or replace the affected lock or locks; however, the Government, at its option, may replace the affected lock or locks or perform re-keying. When the replacement of locks or re-keying is performed by the Government, the total cost of re-keying or the replacement of the lock or locks shall be deducted from the monthly payment due the Contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the Government and the total cost deducted from the monthly payment due the Contractor.

The Contractor shall prohibit the use of Government issued keys/key cards by any persons other than the Contractor's employees. The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas, or personnel authorized entrance by the PCO.

1.4.8.3 Lock Combinations

The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations. These procedures shall be included in the QCP.

1.4.8.4 Passwords

Passwords shall be protected at all times. The sharing of passwords is strictly prohibited.

1.4.8.5 Weapons Security

All VTSS system weapons are simulated/demilitarized weapons utilized for training and are not real weapons. However, the VTSS system weapons shall be securely stored and transported as weapons/controlled items for security, loss prevention, and accountability purposes. The Contractor shall comply with all applicable laws and regulations regarding interaction with weapons systems tied to this requirement.

1.4.8.6 System Security

The contractor shall provide "adequate security" for covered defense information that is processed, stored, or transmitted on the contractor's internal information system or network. To provide adequate security, the contractor shall implement National Institute of Standards and Technology (NIST) Special Publication 800-171, Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations, the contractor shall provide a System Security Plan (SSP) IAW Contractor's SSP (CDRL A002) indicating whether the contractor has implemented the security requirements therein, plans to implement the security requirements, or that the requirement is not applicable. The contractor shall control system security plans and plans of action in a manner that affords a level of security commensurate with content that describes contractor system vulnerabilities, including pending actions to implement NIST 800-171 security controls.

The contractor shall submit a list IAW the Contractor's Record of Tier 1 Level Suppliers Receiving/Developing CUI (CDRL A003) of all supporting Tier 1 Level suppliers receiving or developing covered defense information, otherwise known as CUI. In addition, the contractor shall provide its plan to government review and approval to track flow down of covered defense information and to assess DFARS Clause 252.204-7012 compliance of known Tier 1 Level suppliers.

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The contractor shall allow Naval Criminal Investigative Service (NCIS) access to install sensors, owned and maintained by NCIS, on contractor's networks when intelligence indicates a vulnerability, or potential vulnerability. The contractor shall review user privileges annually and provide the government the audit results during the IPR.

The contractor shall document and report all cyber incidents that affect the covered contractor information system or the covered defense information residing therein, or that affect the contractor's ability to perform requirements designated as operationally critical support IAW the Cyber Incident Reporting (CDRL A004). The contractor shall submit malicious SW discovered and isolated in connection with a reported cyber incident to the DoD Cyber Crime Center. The Contractor shall report all cyber incidents or compromise related to Government CUI IAW DFARS 252.204-7012 to the Damage Assessment Office (DAMO) via the DIB-NET Website (<http://dibnet.dod.mil>) within 72 hours. The contractor shall if requested, submit media and additional information to support damage assessment.

1.4.9 Access

1.4.9.1 Employee Access

The Contractor shall be responsible for providing information required to obtain clearances, permits, passes, or security badges that are required for Contractor personnel or equipment access. This includes information required for police, background checks or investigations. The Contractor shall be responsible for ensuring such clearances, permits, passes, or security badges are promptly returned to the issuing activity upon termination of an employee, completion of a project, or termination of a contract or subcontract.

Contractor employees shall be on the approved Government access list before entering any access-controlled area during the term of the contract. At any time during the term of this contract, should any Contractor employee fail to meet base, state, federal or local access requirements, the Contractor shall immediately revoke the employee's access, retrieve any Government provided access cards, and notify the local Government representative, COR, and PCO within one (1) hour. The Contractor shall continue to ensure that the requirements of this PWS are met.

1.4.9.2 Base Access

The Commanding Officer of each base has broad authority to remove or exclude any person from the military installation to protect personnel and property in order to maintain good order and discipline and to ensure the successful and uninterrupted performance of the Marine Corps mission. In the exercise of this authority, the Commanding Officer may refuse to grant personal entry passes or may bar Contractor employees, including employees who have been granted a personal entry pass. Refusal to grant an employee a personal entry pass or debarment of an

employee does not relieve the Contractor of the responsibility to continue performance under this contract.

Base access requirements and procedures may change during the term of a contract. The Contractor shall comply with all changes and shall incur all costs associated with base access requirements throughout contract performance. The Contractor agrees that such compliance shall not be grounds for a request for an equitable adjustment or other contract modification. Contractor personnel performing work under this contract shall meet current base requirements at time of the proposal submission and shall maintain the level of security required for the term of the contract.

The Immigration Reform and Control Act of 1986 (IRCA), Public Law 99-603 (8 U.S.C. 1324a) requires employers verify the eligibility of individuals for employment to preclude the unlawful hiring, or recruiting or referring for a fee, of aliens who are not authorized to work in the United States. By signing this proposal/contract or by beginning work under this contract, the offeror/Contractor certifies it has and will comply with IRCA, to include that it has verified the identity and employment eligibility of any individual who is employed or may be employed by the offeror and works under this contract. All Contractor personnel with access to unclassified information systems, including e-mail, shall have at a minimum a favorable National Agency Check.

1.4.9.3 Trainer Access

The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas, or personnel authorized entrance by the COR or designated Government representative. Unauthorized access shall be reported to the COR, PCO, and local Government representative immediately and No Later Than (NLT) one (1) hour from the occurrence of the event.

The Contractor shall not permit any unauthorized Contractor personnel or civilian access to any VTSS system, facility, parts or related material without COR or designated Government representative written approval. In the event that the Contractor receives written authorization to permit Contractor personnel or civilian access to any VTSS system, facility, parts or related material from the COR or designated Government representative, the Contractor shall follow the direction provided by the COR or designated Government representative and any applicable Government policy, directives, or instructions, including, but not limited to All Marines (ALMAR) 010/01 "USMC Policy on Civilian Guests." Please be advised that civilian access to any VTSS system must be coordinated and approved by COR at least twenty-four (24) hours advance of visit. In the event that the policy does not specifically provide any "Safety Restrictions for Civilian Visits," civilian access to the VTSS system is prohibited and cannot be authorized until specific "Safety Restrictions for Civilian Visits" are incorporated into the respective policy pursuant to a modification to the underlying VTSS Task Order. Any safety

incidents, accidents, or other events relating to civilian guests shall be reported to the COR and the PCO immediately, and not later than four (4) hour from the occurrence of the safety incident, accident, or event IAW Accident Mishap Report Contract Data Requirements List (CDRL) (CDRL B007). Initial reports may be verbal; however, all accident mishaps shall be submitted in written form within twenty-four (24) hours of the mishap occurrence.

1.4.10 Environmental and Safety Requirements

The Contractor shall comply with all applicable international, federal, state, and local environmental protection requirements and laws including, but not limited to:

- 29 CFR 1926, Subpart D Occupational Safety and Health Administration (OSHA);
- 29 CFR 1910, Subpart Z Toxic and Hazardous Substances
- Environmental, Safety, and Occupational Health (ESOH) (DODD 4715.1E)
- NAVMC DIR 5100.8, Marine Corps Occupational Safety and Health (OSH) Program Manual
- Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environment, American Conference of Governmental Industrial Hygienists (ACGIH)

The Contractor shall receive Government approval prior to bringing hazardous material onto the job site and use. The Contractor shall allow a minimum of ten (10) calendar days for request processing.

The Contractor shall comply with all Installation Safety Orders and procedures. The Contractor shall review all Government Furnished Information (GFI) for safety precautions with all training systems and systems requiring interface.

The Contractor shall be responsible for site fire and emergency contingency planning if there is an emergency related to the system and facility. Emergency contacts and an Evacuation Plan shall be posted as required by each location.

The Contractor shall comply with all PM TRASYS policy letters currently in place and any new policy letters once received.

The Contractor shall immediately report any accident or mishap involving Government property, Government employees, Contractor employees, or civilians to the local Government representative, COR, and PCO no more than four (4) hour from the accident or mishap IAW Accident Mishap Report (CDRL B007). Initial reports may be verbal but shall be followed up in writing using MCSC Form 5102/1 within twenty-four (24) hours.

Reports of incidents with security implications shall include full details of the incident, any remedial actions taken by the Contractor and shall be in compliance with all applicable base regulations and policies in conjunction with the requirements identified in paragraph 1.4.9 Access for access requirements.

1.4.11 Special Qualifications/Requirements

1.4.11.1 Federal Firearms License

The Contractor shall possess and maintain under the provisions of Title I, Gun Control Act of 1968, and an active Class 9 Dealer in Destructive Devices Federal Fire Arms License (FFL) IAW the U.S. Department of Justice Bureau of Alcohol, Tobacco, Firearms and Explosives Regulations. The Contractor shall comply with all applicable laws and regulations regarding interaction with weapon systems tied to this requirement.

1.4.11.2 International Traffic in Arms Regulation

The Contractor is responsible for complying with International Traffic in Arms Regulation (ITAR) (22 CFR 120-130), including, but not limited to obtaining an export exemption to ship and receive VTSS devices.

All VTSS system weapons are simulated/demilitarized weapons utilized for training and are not real weapons.

1.4.11.3 Language

At a minimum, one (1) person performing on the contract located in Japan will be required to be bilingual and proficient (oral and written) in Japanese and English to support requirements.

1.4.12 Meetings

1.4.12.1 Post Award Conference

The Contractor agrees to attend any Post Award Conference (PAC) convened by the contracting activity or contract administration office IAW FAR Subpart 42.5.

The VTSS PAC is expected to be held to approximately five (5) calendar days after the date the contract has been awarded (Contract Award or CA). The PAC location is expected to be in Orlando, FL. The Government will provide a specific location upon the Contractor's notification of award. For planning purposes, the duration of the PAC will not last more than one (1) eight (8) hour day. At a minimum, the PAC agenda shall include:

- Introduction of VTSS Teams (Government and Contractor)
- Review of this PWS and overall requirements
- Overview of Contractor's phase-in significant events
- Identification of Contractor's Points of Contact
- Overview of Contractor's significant milestones post phase-in
- Discussion of Contractor's VTSS Web-based MIS
- Questions and Answers

Concurrent with the award of OY, a PAC may be held. The OY PAC may also discuss Contractor's performance in addition to the above agenda items. The date of the OY PAC is, to be determined, however the intended location is Orlando, FL. The Contractor shall be responsible for compiling and delivering PAC agenda and meeting minutes IAW Conference Agenda (CDRL B005) and Conference Minutes (CDRL B006).

1.4.12.2 Periodic Progress Meetings

The PCO, COR, and other Government personnel, as appropriate, may meet periodically with the Contractor to review the Contractor's performance. At these meetings the PCO will apprise the Contractor of how the Government assesses the Contractor's performance and the Contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These progress meetings shall be at no additional cost to the Government. The meeting minutes and action items list shall be reported in the Conference Minutes (CDRL B006).

1.4.12.3 Conferences and Meetings

The Contractor shall support and participate in Integrated Product Team (IPT) performance review meetings every week during phase-in and every week post phase-in (unless a longer interval is otherwise specified by the COR) and provide agendas and meeting minutes. These meetings shall address the status of each training system, equipment, and facilities relative to the Contractor's responsibility. The agenda and meeting minutes shall be reported IAW Conference Agenda (CDRL B005) and Conference Minutes (CDRL B006).

1.4.12.4 Program Management Review

The Government will hold one (1) VTSS Program Management Review (PMR) annually in Orlando, FL. The meeting minutes and action items list shall be reported in the Conference Minutes (CDRL B006).

1.4.13 COR

The COR for this contract is identified in Section G of the VTSS Contract. The COR is the Government individual designated and appointed by the PCO to provide contract oversight and document the Contractor's performance. The COR is responsible for overseeing the Contractor's performance on behalf of the Government. The COR is not authorized to change any of the terms and conditions of the resulting order.

1.4.14 Identification of Contractor Employees

All contract personnel attending meetings, answering Government telephones, and working in other situations where their Contractor status is not obvious to third parties are required to identify themselves as Contractors to avoid creating an impression in the minds of members of the public that they are Government officials.

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All Contractor employees shall identify themselves as Contractor personnel when attending or participating in meetings, teleconferences, or discussions, and in written correspondence (to include letters, memo, or emails) related to VTSS efforts. They must also ensure that all documents or reports produced by Contractors are suitably marked as Contractor products or that Contractor participation is appropriately disclosed.

All Contractor employees shall wear, at a minimum, a Contractor furnished name tag that provides the employees first and last name and company name when performing VTSS responsibilities or duties.

The Contractor's employees shall NOT utilize common domain (e.g., yahoo or gmail) email addresses in connection with the performance of this PWS.

1.4.15 Contractor Travel

During the performance of this contract, travel to other Government facilities or other Contractor facilities shall be required. The Contractor shall be responsible for all travel to meet the requirements of this PWS. All travel requirements (including plans, agenda, itinerary, or dates) are on a strictly FFP basis with the exclusion of surge travel.

If a CLIN allows for travel required to support Government approved surge requirements the travel shall be approved in advance by the Government and shall be on a cost reimbursement basis. The Contractor shall be authorized travel expenses consistent with the substantive provisions of the Joint Travel Regulation (JTR) and the limitation of funds specified in this contract. Costs for travel shall be billed in accordance with the regulatory implementation of Public Law 99-234 and FAR 31.205-46 Travel Costs. The Contractor shall provide travel reports for surge requirements IAW Travel Report (CDRL B002) for all surge travel. The Travel Report shall at a minimum consist of the following items: Government onsite POC, email address and phone number, date of service, location, preventive and corrective maintenance action items completed, open discrepancies, before and after photos.

1.4.16 Organizational Conflict of Interest

Offerors are required to identify any actual and/or potential organizational conflicts of interest (OCIs) related to the services anticipated to be provided by itself, as well as its consultants, and subcontractors. If an Offeror becomes aware of an actual or potential OCI at any time after submission of its proposal, it has an ongoing obligation to inform the Contracting Officer.

1.4.17 Transition Process (Phase-In/Phase-Out Period)

To minimize any decreases in productivity and to prevent possible negative impacts on additional services, the Contractor shall have appropriate personnel on board during the phase-

in/phase-out periods. The Contractor shall retain all responsibilities and maintain the same level of performance specified in this PWS during the entire Phase-Out period of the contract.

1.4.17.1 Joint Inspection

A joint Government/Contractor inspection shall be conducted in order to establish and document the baseline condition of each VTSS training system and associated training facility.

Government provided test procedures shall be utilized. These test procedures may include Acceptance Test Procedures (ATP), Trainer Test Procedures, Daily Operations Readiness Tests (DORT), or an inspection checklists. Individual site or system inspections shall be conducted with both the incumbent Contractor and successor Contractor, and reviewed by a Government representative assigned by the COR. The results of the inspection shall document the operating condition of the training systems (including mobile systems, equipment, mobile trailers, modular trailers, relocatable shelters and shade structures), status of all associated training assets, condition of training facilities, and the status of any outstanding supply or maintenance issues that could potentially impact the successor Contractor to fully perform their responsibilities. All deficiencies for the baseline inspections must be verified by an approved Government representative designated in writing by the COR. Inspections on Mobile Trailers shall also include a determination of the mobility status. The Government will not provide any equipment which may be required to fully test all mobile systems.

1.4.17.2 Tri-Party Inventory

During the transition process, the incumbent Contractor and successor Contractor shall perform a joint inventory and serviceability inspections of all GFP, and any Contractor Acquired Property (CAP) that will be provided to the Government to become GFP. A joint inventory at each site/system will be signed by the incumbent Contractor and successor Contractor and witnessed and signed by a Government representative designated in writing by the COR. In addition, each party will sign a certification to the Government indicating the inventory is true and accurate as of the date thereof. The inventory will be documented IAW the Government Property Inventory Report (CDRL D002) and the Phase-Out Transition Plan (CDRL B004).

1.4.17.3 Phase-In

During the phase-in period, the Contractor shall become familiar with performance requirements in order to commence full performance of services on the Contract Service Date (CSD). The CSD is when the Contractor is responsible for assuming full performance responsibility, which is defined as 0001 LT, the calendar day immediately following the end of the phase-in period.

The phase-in period is intended afford the Contractor the opportunity to complete all tasks necessary to assume full contract performance responsibilities at CSD. While under no obligation, the Government plans to grant a thirty (30) calendar days phase-in period after CA. The CA date initiates the first date of the phase-in period. The phase-in period expires the

calendar day preceding the CSD date. The length of the phase-in period will be at the discretion of the Government.

During phase-in, the Contractor shall conduct the joint inspection, acquire personnel, obtain access for personnel, conduct training for their personnel and perform all other tasks as required to assume full performance of duties at CSD. During this period, the Contractor may observe all operations and maintenance being performed on a not to interfere basis.

During the phase-in period, the Contractor shall complete all activities necessary to inventory, operationally check, and ensure sufficient staffing and management is available to perform the PWS requirements at CSD.

1.4.17.3.1 Phase-In Plan

The phase-in plan shall include how the Contractor will conduct phase-in requirements IAW Phase-In Plan (CDRL B008). During the phase-in period, the Contractor shall provide weekly updates to the COR, which includes the weekly progress of work, status of phase-in significant tasks, and identification of any potential problems.

1.4.17.3.2 Transition to Successor Contractor

During phase-in, the incumbent Contractor and successor Contractor shall perform a joint physical inventory of GFP with Government oversight. Turn over between the Contractors shall be completed prior to CSD. The inventory will be documented IAW Government Property Inventory Report (CDRL D002). Transfer will occur on DD Form 1149.

1.4.17.3.3 Transition Inventory

The Contractor shall conduct a transition inventory within the phase-in period in addition to any other requirements delineated in FAR clause 52.245-1, Government Property IAW Government Property Inventory Report (CDRL D002).

1.4.17.4 Phase-Out

The Phase-out period is a period of time prior to the expiration of the contract PoP during which joint inventories and operational inspections of the training systems are completed with the successor Contractor. The transition timeframe is sixty (60) calendar days prior to end of PoP.

1.4.17.4.1 Phase-Out Plan

The Phase-Out plan shall also include how the Contractor, as the incumbent Contractor, will conduct transition activities with the successor Contractor. The transition period shall start sixty (60) calendar days prior to contract expiration.

1.4.17.4.2 Transition to Successor Contractor

The incumbent Contractor shall provide all reasonable support to the successor Contractor to ensure orderly transition and minimize impact on operational readiness of the training system

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and equipment. As a minimum, the incumbent Contractor shall provide the successor Contractor access to the site, trainers, equipment, materials, and technical documentation and publications. In addition throughout the Transition Period, the incumbent Contractor shall allow the successor Contractor to observe the performance of all required maintenance and support tasks on a not to interfere with training and maintenance basis.

1.4.17.4.3 Transition Inventory

Transition inventories shall be conducted IAW Phase-Out Transition Plan (CDRL B004). The Contractor shall ensure the MIS accurately reflects the inventory status of the GFP to include all tools and test equipment, support equipment, spare parts and technical data IAW FAR clause 52.245-1.

The Contractor shall conduct a transition inventory within sixty (60) calendar days prior to the end of the contract term in addition to any other requirements delineated in FAR clause 52.245-1, Government Property. This inventory shall ascertain both the existence and condition of these assets against the initial baseline inventory established at the beginning of the contract and any authorized changes made during the term of the contract. The Contractor shall be liable for all missing assets as well as assets not returned in a serviceable condition. When 100% inspection is impractical to determine serviceability, the Government may approve statistical audit. In the event the incumbent Contractor is not the successor Contractor, the Contractor shall be required to relocate equipment at the Governments direction.

2 Government Furnished Property

2.1 Government Furnished Property and Government Furnished Information

The GFP provided by the Government does not constitute all supporting materials required to fulfill the contractual requirements. All GFP is being provided on an "as-is" basis as that term is used in FAR clause 52.245-1, Government Property, which is incorporated by reference in Section I of the contract. As such, the Government makes no warranty with respect to the serviceability and/or suitability of the property for contract performance. Any repairs, replacement, and/or refurbishment shall be at the Contractor's expense.

The Government will not provide centralized warehousing or storage space for spares, inventory, and consumables for GFP items not currently stored on site or with the system. GFP identified in Section J (Attachment J.3 (GFP)) includes inventory not currently on site or with the system. The Government will not provide additional onsite facilities storage space for VTSS training materiel.

2.2 Contractor Acquired Property

All Contractor Acquired Property (CAP) shall be governed by the terms of FAR clause 52.245-1, Government Property, which is incorporated by reference in Section I of the contract, and the

terms of this PWS. CAP means property acquired, fabricated, or otherwise provided by the Contractor for performing a contract, and to which the Government has title.

Title to CAP acquired by the Contractor for performance under a fixed-price Contract Line Item Number (CLIN) of the contract shall vest in the Government at the end of the PoP of the contract or on the date of termination of the contract, whichever occurs first. Title to CAP acquired by the Contractor for performance under a cost reimbursement CLIN of the contract shall vest in the Government pursuant to the terms identified in FAR clause 52.245-1(e)(3).

2.3 Government Furnished Information

The Government will provide the Contractor with all available technical data as GFI during the phase-in period. Available GFI is identified in Attachment J.2 (TSO) and is being provided on an “as-is, where-is” basis with no implied or express warranties regarding the GFI’s suitability for use. GFI includes technical manuals, engineering drawings, Commercial-Off-The-Shelf (COTS) documentation, and media such as: operating systems; utilities; and diagnostics software. The Contractor shall be responsible for maintenance of all GFI provided and for providing the infrastructure necessary to view, modify and print documents and drawings required for system operation and maintenance. Government approved changes to existing GFI will be provided to the Contractor.

3 Specific Tasks

The Contractor shall provide all labor, travel and materiel required to operate and maintain the VTSS training systems.

3.1 Management

3.1.1 Points of Contact

The Contractor shall have a single Point of Contact (POC) between the Government and Contractor personnel, and notify the Government who that POC is.

The Contractor shall post and maintain a current listing of phone numbers (including cell phones issued under this contract) and emails for Contractor support personnel at each training system location. Personnel contact information shall be reported as personnel changes occur, and report the updated roster IAW Contractor’s Progress, Status and Management Report (CDRL B001). The updated roster format is at the Contractor’s discretion.

3.1.2 Management and Technical Plan

The Contractor shall detail the Contractor’s Management and Technical Plan to fulfill the PWS and specific TSO requirements IAW Technical Report Study/Services-Contractor’s Management and Technical Plan (CDRL B003). Unless otherwise specified, the requirements identified in this PWS are applicable to all systems. TSOs will delineate which systems will be applicable

and identify the Performance Standards and any Acceptable Quality Levels (AQLs) that are applicable to each TSO.

The Contractor's Management and Technical Plan and any required updates shall include:

3.1.2.1 Organizational Structure

The Contractor shall provide a description and graphical illustration detailing the Contractor's organizational structure to support this PWS. The organizational structure shall include corporate personnel, including the Contractor's VTSS Program Manager, interaction and description of the functional relationships and responsibilities of corporate POCs. The organizational structure shall describe and illustrate the Contractor's primary POCs and detail the areas of responsibility for those POCs. The Contractor shall identify the Contractor's primary POCs for each support location and sites where VTSS training systems are located. Changes to the organizational structure shall be submitted in an update to its Technical Report Study/Services - Contractor's Management and Technical Plan (CDRL B003).

3.1.2.2 Communications Process

The Contractor shall establish a communication process to coordinate with the PM TRASYS Program Office (this includes PCO and COR) and designated Government representatives at all VTSS training sites described in an appendix to its Technical Report Study/Services - Contractor's Management and Technical Plan (CDRL B003). The communication process shall also define when all reliable and responsive methods of communication will be in service. By CSD, the Contractor shall provide an easily read sign/placard/poster at each VTSS training system location. This sign shall include the contact information for onsite VTSS support (if applicable), and Help Desk twenty-four (24) hour support toll free number with instructions.

The Contractor shall provide sufficient external communications and electronic communications capabilities at all sites to provide access to the MIS via an integrated data environment, CDRLs, and access technical documentation in media format. If the Contractor does not provide sufficient capabilities, the Contractor shall provide an alternate communications method and shall include that alternate method in the Contractor's communications process. The Contractor shall provide and be responsible for phone and internet services, all devices, equipment and chargers required to communicate inclusive of all recurring costs.

The Contractor shall establish and maintain communications with designated Government representatives prior to accessing, during, and prior to leaving training system locations. The Contractor shall request and coordinate information regarding this requirement with local installation range control and a designated Government representative.

3.1.2.3 Personnel Process

The Contractor shall provide a Personnel Process that describes the management actions/policies that will be used to provide a trained stable work force in an appendix to its Technical Report

Study/Services - Contractor's Management and Technical Plan (CDRL B003). This process shall include how the Contractor shall provide technical training (initial, cross-training, and recurring) and how personnel will be acquired (if needed) during the term of the contract. The Personnel Process shall provide the breakout of the allocation of resources in the description and graphical illustration detailing the Contractor's organizational structure to support this PWS.

All Contractor employees are expected to be proficient in the operations and maintenance of all VTSS training systems at these facilities in order to achieve the efficiencies desired.

3.1.2.4 Material Support Plan

The Contractor shall provide a material support plan in an appendix to its Technical Report Study/Services - Contractor's Management and Technical Plan (CDRL B003) that addresses how consumable items, device repair parts/components, and tools and test equipment will be managed. These materials shall include warranty management, repair parts/components, consumables, tools and test equipment, inventory, material obsolescence, material disposal, and transportation and shipping. The Contractor shall ensure all information concerning material support activity is included in the MIS database.

3.1.2.5 Quality Control Plan

The Contractor shall develop and maintain an effective quality control program to ensure services are performed IAW this PWS. Quality Control (QC) is all necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

The Contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services, i.e., a service output that does not meet the standard of performance associated with the PWS. The QCP shall address all sections of this PWS that reference the QCP (see, for example, Key Control). The Contractor shall provide a QCP in an appendix to its Technical Report Study/Services - Contractor's Management and Technical Plan (CDRL B003) detailing the Contractor's QCP. The quality system procedures, planning, and all other documentation and data that comprise the Contractor's quality system, shall be made available for COR. After acceptance of the QCP appendix, the Contractor shall obtain the PCO's acceptance in writing of any proposed change to his QC system. All revisions to the Contractor's QCP are subject to Government review and approval. The Government may find the QCP "unacceptable" whenever the Contractor's procedures do not accomplish quality control objectives. The Contractor shall revise the QCP within ten calendar days from receipt of notice that the QCP is found "unacceptable" as issued from the PCO.

3.1.2.6 Help Desk Support Plan

The contractor shall provide a Help Desk Support Plan in an appendix to its Contractor's Management and Technical Plan (CDRL B003) detailing how the Help Desk will be established

by CSD. The plan shall provide all VTSS sites with the Help Desk information, and how the contractor shall staff the Help Desk.

3.1.3 Management Information System Plan

Offerors shall provide their specific Management Information System Plan (MISP) to meet all of the MIS requirements delineated in paragraph 3.4 MIS. The Contractor shall provide the MISP IAW the Technical Report Study/Services – Management Information System Plan (CDRL B009). A working demonstration of the MIS with the capabilities identified in paragraph 3.4 MIS shall be exhibited to the Government by CSD. The Contractor shall provide a website from completion of phase-in to end of the contract PoP. The Contractor shall provide the Government web access to the MIS database; and provide the Government the ability to view and query VTSS equipment by training system, the support site by nomenclature, short description, inventory and status.

3.1.4 Maintenance Support Plan

The Contractor shall provide a comprehensive Maintenance Support Plan (MSP) IAW MSP (CDRL D001) that details how and where maintenance shall be scheduled, performed, and documented for all VTSS training systems. The MSP shall detail the maintenance actions, resources and support necessary to ensure the system achieves the specified reliability, availability and maintainability requirements throughout its lifecycle. The Contractor shall conduct maintenance planning, such as reliability centered maintenance, to define optimal maintenance activities. The Contractor shall include the management of the shipment of parts to vendors for repair; tagging/marking parts to reflect material condition and maintaining placement of IUID labels; tracking all shipped parts and components, minimizing repair turnaround time; and dispositioning of condemned inventory.

3.2 Help Desk

The Contractor shall provide telephone Help Desk support to facilitate the reporting and troubleshooting of maintenance related problems if on-site support is not available.

The Help Desk shall be used to provide technical and maintenance related support to all training systems that do not have dedicated operators or to troubleshoot capabilities beyond the technical expertise of the on-site personnel. The help desk shall be available seven (7) days a week, including a toll free international twenty-four (24) hour hotline and electronic mail communication. A dedicated email address/box shall be established for interface with the customer. All help desk calls shall be answered by a live person within 30 minutes (by way of explanation, this means not put on hold for more than 30 minutes). All help desk emails should be acknowledged with information responsive to the request within two (2) hours of receipt. Emails, like phone calls, shall be recorded in the MIS database showing the date/time of receipt of email and the time that the response was given and documented in the MIS Report (CDRL B00A). Emails to the help desk shall be saved until the end of the contract.

3.2.1 Help Desk Tracking System

The Contractor shall assign a tracking number to every help desk inquiry regardless of the level of difficulty. All tracking numbers shall be archived and be retrievable in the MIS for the term of the contract. The tracking number shall be provided to the customer.

All help desk calls will be recorded in the MIS database indicating the equipment called about and how the problem was resolved. If not resolved, then the MIS will indicate the steps that will be taken to resolve and document in the MIS Report (CDRL B00A).

3.3 Technical Library

The Contractor shall establish and maintain a technical library that includes the GFI provided throughout the term of the contract and is documented in the MIS. The Contractor shall establish and maintain a back-up library of all GFI. For materials located on Government facilities, the Contractor shall provide physical protection (lockable) for media, servers and other equipment IAW local security and material handling procedures. All applicable data shall be kept with the training systems at each location. The Contractor shall maintain a record copy at an offsite location determined by the Contractor.

All Contractor-developed procedures, techniques, approaches, data, tests, diagnostics, findings, notes or other information (“collective efforts”) for performing PM or CM, including isolating malfunctions and operational downtime, shall be documented by the Contractor and submitted to the Government for review and then becomes GFI as part of the MIS Report (CDRL B00A). Government approval shall be acquired prior to promulgation of new maintenance and operation procedures. The Government shall have the data rights to all data relating to operations, maintenance, usage and proficiency that vest in the Government through the operation of all relevant statutes and regulations, including DFARS clause 252.227-7013, Rights in Technical Data—Noncommercial Items, which is incorporated by reference in Section I of the solicitation and contract.

Discrepancies discovered by the Contractor shall be identified to the Government along with recommendations for appropriate correction. The Contractor shall incorporate the changes within thirty (30) calendar days after receipt from the designated Government representative.

3.4 Management Information System

3.4.1 MIS Data System

The Contractor shall provide a web-based MIS, which is a repository data system capable of collecting and storing logistic information related to each VTSS system as provided below. Data aggregated and stored in the MIS shall include, but is not limited to data: to track and report all MIS training system equipment statuses; inventory records; specific system being repaired; location where the repair activity occurred; reason for failure; the data failure was identified; and

data repair activity was completed. The MIS shall be capable of collecting and storing maintenance data; supply transactions; equipment inventory information; producing reports; managing operations; training; maintenance; supply; and equipment inventory data and metrics by training system. The Government shall have the data rights to all data collected, stored, contained and maintained within the MIS, that vest in the Government through the operation of all relevant statutes and regulations, including DFARS clause 252.227-7013, Rights in Technical Data—Noncommercial Items, which is incorporated by reference in Section I of the solicitation and contract. The Contractor shall provide all necessary functionality to allow the Government to export all MIS data fields and all associated repository data information into a Microsoft Excel (.xlsx) work sheet at any time. The Contractor shall maintain a continuous (at least daily) backup of the data on the MIS.

The Contractor shall ensure that the MIS is secure, web based, and meets all applicable Government and commercial Information Technology (IT) and Security standards. Any electronic databases or applications used to store, track, share, transmit or display information pertaining to this contract shall be secure web-based with login and strong authentication. Strong passwords are those that meet all of the following; minimum length of eight (8) characters, one (1) upper case letter, one (1) lower case letter, one (1) number, and one (1) special character (*, @, #, etc.), not a dictionary word or proper name, not the same as the User ID, and not be displayed when entered. Government use of the MIS shall not require installation of client software on Government computer systems.

In the event of a conflict between a Government and commercial standard, the Government standard shall supersede the commercial standard. The Contractor shall report all applicable missing, lost, stolen or recovered equipment within the MIS. The Government will have view, query and export user access to the MIS. The Contractor shall be responsible for all the hardware, software, and documentation necessary for the operation, and maintenance of the MIS. The Contractor shall notify the COR if the website becomes degraded or inoperable within two (2) working hours of known failure and the Contractor shall provide a timeframe for resolution to meet all PWS requirements. The MIS shall not be in a degraded or inoperable state for more than two (2) working days. In addition to the MIS database input, the Contractor shall immediately notify the COR if any missing, lost, stolen or recovered equipment is subject to Marine Corps Order (MCO) 5530.14A.

The MIS shall meet the following requirements:

Record and produce a report of all maintenance actions by training system which include, but are not limited to, the following required items:

- System
- Type of maintenance being performed (corrective or preventive)

- Maintenance Problem Statement
- Status of system (i.e., degraded, deadline) and amount of time (in days) in status
- Configuration Items affected
- Description and history of corrective actions
- Task owner
- Repair parts (as required) and their shipping status (as applicable)
- Date entered into the system
- Date the end item/part or component has been repaired
- Date and time stamp of all maintenance actions
- Service request history

Produce database transaction history report/logs filtered by suite, location, date, and occurrence time, detailing all MIS database transactions. Produce a user account report detailing active users, account inactivity, and account privileges. Produce a report detailing the date of backup performed, name(s) and size(s) of files backed up, and checksum validation keys. Export the database data fields to Microsoft Excel (.xlsx) work book.

The Contractor shall input all data in support of the MIS on a real time basis but NLT twenty-four (24) hours from the time of creation, identification, performance or occurrence of any item outlined below in the Maintenance Action Report, Equipment Accountability Report and Generate a RAM Report.

3.4.2 MIS Reporting

The Contractor shall provide a MIS Report IAW the MIS Report (CDRL B00A), which is comprised of the Maintenance Action Report, Equipment Accountability Report, and the RAM Report.

The MIS shall produce the following reports:

3.4.2.1 Maintenance Action Report

The following data shall be included by system, by location, in the Maintenance Action Report:

- NSN or MCSN
- Per device and location
- Type of maintenance being performed (corrective or preventive)
- Facility Maintenance
- Identification of warranty repair
- Description of failure
- Status of device (i.e., degraded, non-mission capable) and amount of time (in days) in status

- Configuration Items affected
- Description and history of corrective actions by device
- Task owner
- Repair parts (as required) and their shipping status (as applicable)
- Date and time stamp of all maintenance actions
- Estimated timeline for repair

3.4.2.2 Equipment Accountability Report

The following data shall be included by system, by location, in the Equipment Accountability Report:

- NSN or MCSN
- System Description /Item nomenclature
- Table of Authorized Material Control Number (TAMCN)
- Serial Number
- Manufacturer Part Number
- Model Number
- Manufacture Year
- Manufacture Name
- CAGE Code
- Unique Item Identifier (UII), as registered in the IUID Registry
- Warranty Expiration Date
- Quantity
- Unit Cost
- Site Unit Identification Code (UIC) (if applicable)
- Location
- Sub-Location
- Condition Code
- Last Inventory Date / Time
- Contract Number
- Acquisition Date
- Receipt Document Number (PIEE (WAWF) Receiving Report – DDD1348 or DD1149)
- Received By
- Local Receipts Date
- Original Placed in Service Date
- Material type, grade, and class, as applicable for laser components
- Report date and time

3.4.2.3 RAM Report

The following data shall be included in the RAM Report:

RAM report by system, by location, detailing the following metrics:

- Operational Availability (Ao)
- Mean Time Between Operational Failure (MTBOMF)
- Mission Essential Function Failures

In addition, the MIS shall be capable of producing automated RAM reports detailing the following defined metrics IAW DoD Guide for Achieving RAM, 3 August 2005 as modified below:

- $A_o = \frac{Uptime}{Total\ Time}$
 - Uptime is the time during which the system was capable of performing all required functions in a given calendar interval
 - Downtime = Active Repair Time + Administrative Delay Time + Logistics Delay Time
 - Repair is considered the restoration or replacement of parts, or equipment, in accordance with the maintenance manuals for the equipment, as necessitated by wear and tear, damage, failure of parts or the like in order to maintain training systems in an efficient operating RFT condition. Wear and tear is a form of degradation which naturally occurs through normal use and maintenance.
 - Active Repair Time is the time it takes to perform a repair
 - Administrative Delay Time refers to that portion of downtime during which maintenance is delayed for reasons of an administrative nature: personnel assignment priority, labor strike, organizational constraint, and so on. It does not include active maintenance time but often constitutes a significant element of total maintenance downtime
 - Logistics Delay Time includes Logistics Support Infrastructure, Support equipment availability, Facility capability limitations, Transportation responsiveness
 - Total Time = Uptime + Downtime
- MTBOMF
 - $MTBOMF = 1/\lambda$
 - λ = failure rate = # of mission failures/total operating time

3.5 Logistics Support

3.5.1 Materiel Support

The Contractor shall be responsible for providing all of the materials necessary for executing the requirements of the contract. These materials shall include consumable items, device repair parts/components, tools and test equipment, and support equipment not otherwise provided by the Government to the Contractor. The Contractor shall ensure all information concerning material support activity is included in the MIS database.

3.5.1.1 Consumables

Consumables are the materials requisite to the performance of any training system and equipment that, by their nature, are expended, in whole or in part, as a function of the normal operation and maintenance of the devices.

The Contractor shall be responsible to obtain and maintain a sufficient inventory of consumable repair parts in order to perform maintenance and restore VTSS training systems to RFT status. The quality of consumable parts must meet the Original Equipment Manager (OEM) guidelines for operating time. All repair and consumable parts must meet form, fit and function criteria of the original part replaced and meet OEM specifications.

If the Contractor is unable to obtain the specific part required, and the Contractor identifies a potential suitable substitute part, the Contractor shall notify the COR for approval, which may result in a submission of an Engineering Change Proposal (ECP) IAW ECP (CDRL A001). No such part should be used until COR approval is obtained. This approval is necessary to ensure suitability of use and to maintain configuration management of fielded systems. The Contractor shall not utilize used parts in the repair unless the parts have been tested to meet OEM specifications.

The Contractor shall be responsible for the replenishment or replacement cost of all consumable parts. For purposes of clarification, at the end of the PoP, the Contractor will be responsible for returning the same number of consumable parts as listed on the GFP inventory list.

3.5.1.2 Repair Parts/Components

The Contractor shall maintain and replenish the repair parts/components and spare parts provided as GFP, with the exception of ODS. For purposes of clarification, at the end of the PoP, the Contractor will be responsible for returning the same number of repair parts/components (except with respect to ODS) as listed on the GFP inventory list.

Reference ODS TSO for additional details for Repair Parts/Components replenishment.

3.5.1.3 Tools and Test Equipment

The Contractor shall provide all tools and test equipment that is required for performance under this contract that is not otherwise provided by the Government to the Contractor. The Contractor shall annotate in the MIS database any new tools or test equipment required to perform operations and maintenance of the VTSS Systems. The Contractor shall comply with calibration cycles for all test equipment provided as GFP by the Government at its sole discretion.

3.5.1.4 Support Equipment

The Contractor shall provide all support equipment that is required for performance under this contract, including but not limited to the support equipment required for transportation and maintenance of all VTSS systems that is not otherwise provided by the Government at its sole discretion to the Contractor.

3.5.1.5 Inventory

In the event the OY is exercised, the Contractor shall conduct an annual inventory no later than sixty (60) calendar days after the anniversary of CSD in addition to any other requirements delineated in this PWS. If, however, the OY is not exercised, the final inventory must be conducted in accordance with the Phase Out transition provisions. . Inventories shall be conducted IAW Government Property Inventory Report (CDRL D002). The Contractor shall ensure the MIS accurately reflects the inventory status of the GFP.

3.5.1.6 Item Unique Identification Data Requirements

The Contractor shall provide and maintain all existing Item Unique Identification Data (IUID) tags and markings, and provide IUID support IAW DFARS clause 252.211-7003, Item Unique Identification and Valuation, and the terms of the PWS for all delivered and new items, which require UII markings. The Contractor shall provide support in the following areas:

- Technical support
- Program management
- UII assignments
- IUID marking
- IUID tag replacement
- IUID data transmissions to the Department of DoD Unique Identification (UID) registry

The Contractor shall implement specific IUID marking, as defined in Military Standard (MIL-STD)-130, Identification Marking of U.S. Military Property and DFARS clause 252.211-7003, which is incorporated in Section I of the solicitation and contract. The Contractor shall include all UII information in the MIS.

When used on equipment, parts, assemblies, subassemblies, units, sets, groups, or kits, the IUID marking and identification plates, tags, etching, or labels shall be as permanent as the normal life

expectancy of the item and be capable of withstanding the environment, test, cleaning, repair, and rebuild procedures specified for the item.

Marking of items shall be accomplished in a manner that will not adversely affect the life and utility of the item. Marking materials creating hazardous conditions shall not be used. The markings shall be located so the tag is visible during item use, provided sufficient space is available, and does not interfere with equipment operations.

3.5.1.7 Materiel Obsolescence

Obsolescence is defined as a lack of availability of an item or raw material resulting from statutory and process changes, as well as new designs. Obsolescence deals with the process or condition by which a piece of equipment becomes no longer useful, or a form and function is no longer current or available for production or repair. Implementation of new technology causes older technology to become less supportable because of the Diminishing Manufacturing Sources and Material Shortages (DMSMS).

The Contractor shall monitor, identify risk, and report obsolescence of items IAW Contractor's Progress, Status and Management Report (CDRL B001). For obsolescence items identified, the COR will be notified, and a suitable replacement shall be identified and proposed prior to impact on training via ECP within 30 calendar days, IAW ECP (CDRL A001), for Government approval. The Contractor shall monitor the Government Industry Data Exchange Program (GIDEP) for industry notifications of counterfeit parts, and DMSMS resources affecting parts and components.

All identified obsolete items shall be identified in the MIS and reported in Contractor's Progress, Status and Management Report (CDRL B001). Within thirty (30) calendar days, the Contractor shall provide the Government a recommended list of alternate solutions for approval.

3.5.1.8 Materiel Disposal

The Contractor shall be responsible for disposal of all equipment and supplies. Prior to any disposal, the Contractor shall request disposition instructions from the COR. The Contractor shall also ensure proper handling, storage, transport, and turn-in of Information Technology (IT) equipment and hazardous material and waste IAW applicable international, federal, state and local requirements. A request for disposition instructions shall include, at a minimum, the following information when submitted to the COR for approval:

- List of items that are recommended for disposition
- NSN or MCSN
- The corresponding training system
- Item nomenclature, serial number, part number, quantity, and cost
- Reason for disposition

- Condition code (working/not working)

3.5.2 Transportation and Shipping

The Contractor shall be responsible for transportation of all training devices as directed by the Government and the shipment of all support materials to all CONUS and OCONUS locations.

The Contractor shall be responsible for all costs associated with the transportation and shipment of VTSS Systems including, but not limited to all vehicle licenses and permits for transportation and movement of equipment, such as trailers, on and off Government installations.

The Contractor shall be responsible for all applicable import/export licenses, duties and brokering, customs fees and preparation and providing necessary clearances through host nation customs for all VTSS systems for all OCONUS materiel shipments.

The Contractor shall disassemble, prepare, pack, store, unpack, and reassemble the training systems, associated materials and equipment in support of training IAW with best commercial practices. The Contractor is responsible for a pre-move check list IAW applicable device Operations and Maintenance Manual or vendor COTS documentation requirements.

3.5.3 Weapons Transfer and Shipping (Japan)

It is the Contractor's responsibility to comply with all applicable laws and regulations regarding export-controlled items. This responsibility exists independent of, and is not limited by this PWS. It is the Contractor's responsibility to comply with all applicable laws and regulation relating to its contractual performance in Japan. The SOFA between the United States and Japan governs the rights and obligations of the United States armed forces in Japan. Unless a Contractor is present in Japan solely to perform under a contract with the United States for the sole benefit of the United States armed forces in Japan and is accorded privileges under SOFA Article XIV, the Contractor and its employees shall be subject to all the laws and regulations of Japan, including the U.S.-Japan SOFA. The importation and personal possession of firearms, swords, and other weapons is highly restricted and controlled in Japan. Contractor personnel considering bringing personal firearms, swords, or other weapons into Japan for personal use must comply with USFJ Instruction 31-207, "Firearms and Other Weapons in Japan" available from USFJ/J023 at pacom.yokota.usfj.mbx.j023@mail.mil.

3.6 Maintenance Support

The Contractor is responsible for all levels of maintenance on the identified VTSS training systems, training equipment, support equipment, test equipment, mobile trailers, modular trailers, relocatable shelters, and shade structures. The Contractor shall be responsible for operating and maintaining the systems IAW each TSO and attachments, and industry standards. All training systems shall be maintained in order to ensure proper and safe training conditions and training

system operation. System specific training maintenance requirements are identified in the applicable TSO.

In order to perform selective interchange of VTSS systems, the Contractor must obtain prior written approval from the COR for components, parts, and pieces of the training systems on a case by case basis.

The Contractor shall not perform changes to the system configurations unless authorized by the COR in writing in the form of an approved ECP. Change recommendations submitted by the Contractor do not constitute authorization to change a system's configuration.

Depending on the severity of malfunction and the impact on the quality of the GSU, the COR may elect to continue to use the training system or equipment in a degraded mode, thus deferring maintenance.

The Contractor shall document all performed and completed maintenance IAW Contractor's Progress, Status and Management Report (CDRL B001) and the MIS. The Contractor shall request and schedule training systems to complete scheduled PM and CM tasks. If the Contractor is unable to schedule adequate time with local training system managers, the Contractor shall notify the COR within one working day of the request being denied and request Government assistance for scheduling.

During high training exercise periods, training systems and devices may be scheduled for extended periods of time. The Contractor shall ensure maintenance actions are completed by scheduling maintenance times outside of GSU.

Refer to individual TSO for training systems specific requirements.

3.6.1 Corrective Maintenance

Corrective Maintenance (CM) is defined as a maintenance task performed to identify, isolate, and rectify a fault so that the failed equipment can be restored to an operational condition. CM can include any or all of the following steps: localization, isolation, disassembly, interchange, reassembly, alignment, and checkout.

The Contractor shall be responsible for all CM required to return training systems, equipment, mobile trailers, modular trailers, relocatable shelters, and shade structures to RFT status. (Note the Contractor is responsible for performing CM on the VTSS training systems located in a real property facility or naval vessel, but not for the corrective maintenance of the real property facility or the naval vessel itself). The Contractor shall be responsible for the packaging, transport, and shipment of equipment sent to and from their depot, OEM or third-party vendor for repair, as applicable.

CM shall include, but is not limited to:

- Fault isolation
- Trouble-shooting, adjusting, testing, aligning, calibrating, repairing, replacing parts and equipment
- Fabricating components
- Shipping and receiving of equipment
- Recommendations for Government ECP IAW ECP (CDRL A001)
- Developing and revising maintenance documentation

If CM is required on a training system that degrades the performance, function, or capabilities, or the system is not able to be remediated prior to a GSU, the Contractor shall notify the COR and designated Government representative of the degraded condition. If the training requirement can be achieved using the degraded item, and there are no safety concerns, the Contractor shall defer the CM until that GSU event is completed IAW the system specific TSO, unless the training unit or designated Government representative elects to not train with the degraded equipment.

CM shall be performed outside of the GSU time period, unless the Contractor receives designated Government representative approval to perform the CM during GSU. All corrective actions and degraded training systems conditions shall be reported in the MIS and the monthly status report IAW Contractor's Progress, Status and Management Report (CDRL B001).

3.6.2 Preventive Maintenance

Preventive Maintenance (PM) consists of the normal and routine actions taken to maintain the VTSS training systems in a RFT status. PM includes scheduled systematic inspections, detections, and corrections of potential failures before they occur or before they develop into a corrective action that impacts training.

The Contractor shall be responsible for scheduling and documenting the PM through performing checks and services on all VTSS training systems, equipment, mobile trailers, modular trailers, relocatable shelters, shade structures and GFP items. (Note the Contractor is responsible for performing PM on the VTSS training systems located in a real property facility or naval vessel, but not for the preventive maintenance of the real property facility or the naval vessel itself). Each TSO shall delineate the specific systems to be maintained. All PM activities shall be reported IAW Contractor's Progress, Status and Management Report (CDRL B001) and documented in the MIS.

PM shall include, but is not limited to:

- Corrosion prevention and control
- Oil and filter changes
- Grounding rod properly attached
- Lubrication of wheel bearings/doors/hinges/joints

- Proper tire pressure and inspections for serviceability and Department of Transportation (DOT) compliance
- Testing of fuel/air quality
- Cleaning and maintaining drains/ducts/filters/pans/air handlers/compressor/evaporator etc
- Maintaining proper refrigerant charges
- Painting
- Mold and mildew prevention, mitigation and control
- Ensuring wind-load tie-downs are properly attached
- Heating, Ventilation, and Air Conditioning (HVAC) service and filter changes
- Air compressor and gas cylinder maintenance
- Generator maintenance
- Testing proper gauge operation and functionality

In addition, the Contractor shall perform a monthly operational status check(s) and service(s) for each system. The required monthly operational status check(s) and service(s) shall be accomplished via electronic or telephonic communication to each site to verify the operational capability status for each system and shall be documented via Contractor's Progress, Status and Management Report (CDRL B001).

3.6.3 Weather Maintenance

At all training system locations, the Contractor shall be aware of and adhere to all instructions, directives, and procedures on storm preparation and recovery. The Contractor shall take all reasonable precautions to protect training systems, equipment, mobile trailers, modular trailers, relocatable shelters, and shade structures from damage due to adverse weather, including but not limited to: tropical storms; fires; flooding; intense heat; extreme cold; snow; and high winds. The Contractor shall not be liable for damage resulting from adverse weather at Remote Sites if weather hardening cannot be reasonably accomplished prior to the event.

After the period of hazardous weather conditions, and upon base notification for all clear, the contractor shall conduct an operational check of training systems for any damaged equipment due to the weather conditions. The Contractor shall provide the COR and designated Government representative a listing of all damages discovered that were directly attributed to the hazardous weather conditions and provide a plan of action with timeframes of when those damages will be corrected, and the training system returned to a RFT status.

3.6.4 Facilities Maintenance

The Contractor shall provide maintenance for all mobile trailers, modular trailers, relocatable shelters, and shade structures, except those defined as real property and naval vessels. Generally, the difference between these types of facilities are as follows:

- Mobile Trailer - Mobile trailers are those defined as prefabricated shelters with wheels designed to be capable of transport on streets and highways.
- Modular Trailer - Modular trailers are those defined as prefabricated temporary structures assembled together as a unit.
- Relocatable Shelters - Relocatable Shelters are modular self-contained containers.
- Shade Structure - Shade structure, also known as fabric tension shelters, are used as weather protection.

VTSS Training Systems are located in the six facility types identified below. Each TSO will identify the applicable systems facilities.

- Mobile Trailers: VCCT/RVS, ODS, CVTS, DRET
- Modular Trailers: CCS, ISMT, ODS
- Real Property Facilities: ISMT, CCS, CVTS, IMTS, ODS, DRET
- Naval Vessels: ISMT, CVTS
- Relocatable Shelters: CVTS
- Shade Structures: VCCT/RVS, ODS, DRET

Facilities maintenance includes activities completed at regularly scheduled or unscheduled intervals. The Contractor shall provide the necessary equipment, cleaning agents, and supplies to perform these services. Maintenance shall include the inspection, repair, and replacement, as necessary, to maintain and restore the mobile trailers, modular trailers, relocatable shelters, and shade structures to their normal operational and safe state. Maintenance activities shall include, but not be limited to the following:

-
- Floor, tiles and carpeting
 - Repair cracks, holes, gouges, tears larger than 1"
- Interior/Exterior walls, wall features
 - Repair surface damage to exterior walls.
- All components required to maintain structural integrity
 - Inspect facilities for damage or degradation to structural elements including but not limited to exterior stairways, landing, and entry ways
 - Repair stairways, landings, entry ways, railings or other structural elements
- Roofs, ceilings, associated hardware including gutters, downspouts and fascia/trim
 - Replace or repair degradation or damage to the above features.
- Clean or replace air filters and air handler return filters
 - Furnish all filters and replace, at a minimum, every three (3) months or per OEM O&M Manual Instructions
- HVAC System

- Inspect and service all HVAC Units at least once every 12 months and at any sign of failure or outage of system. The Contractor shall engage a certified HVAC contractor to perform the inspection & service.
 - Repair or replace components or units, as needed, based upon performance or inspection results.
- Compressed air lines and plumbing fixtures
 - Inspect, test and repair ISMT & CCS Compressed Air Lines
 - Inspect, test and repair drains and all plumbing fixtures for the Modular Trailer Restrooms
- Air Compressors and Generators
 - Inspect and service all air compressors and generators per OEM O&M Manual Instructions, and at any sign of failure or outage of system. The Contractor shall engage a certified mechanical contractor to inspection and service air compressors and generators.
 - Repair or replace components or units, as needed based upon performance or inspection results.
- Corrosion control
 - Conduct monthly inspections of facilities susceptible to corrosion
 - Provide corrosion control and rust abatement of any exposed metal components of the temporary facilities
 - Replace bolts or other corroded elements
- Doors and associated hardware
 - Repair or replace non-working doors or hardware as needed
 - Replace and paint the two exterior CCS Doors & Frames at MCB, Kaneohe Bay, HI with fiberglass doors and frames within 30 days of the start of the period of performance.
- Interior and exterior paint
 - Touch-up paint, as needed
 - Conduct quarterly inspections of the interior and exterior paint of modular trailers
 - For CCS octagon screens, once the condition of the paint interferes with the fidelity of the projection, the contract will be required to paint the entire screen section (i.e., 1/8th of the octagon) with HD projection paint.
- Fire extinguishers, Smoke Detectors and all safety related components
 - Inspect and test all fire detection systems and equipment in accordance with OSHA requirements.
- Circuit breakers, shore power cables and connectors, electrical hardware, grounding
 - Inspect and service all electrical systems at any sign of failure or outage. Inspection & service shall be provided by a certified electrical contractor.

- Repair or replace components or units, as needed based upon performance or inspection results.
- Lighting fixtures and components
 - Inspect and service all electrical systems at any sign of failure or outage.
 - Provide and install light bulbs, as needed.

The Contractor shall create and maintain checklists signed by the individuals who completed the work described in these paragraphs 3.6.4, 3.6.4.1, 3.6.4.2, and 3.6.5, as well as evidence that any work required to be conducted by a certified or licensed individual had the appropriate qualifications. This documentation shall be submitted monthly as part of CDRL B001 in addition to applicable MIS reporting.

3.6.4.1 Shade Structures Maintenance

In addition to the maintenance described in the facility maintenance actions, maintenance of the shade structures requires:

- Performing inspections at least once every 12 months to ensure structure safety.
- Patch tears and holes greater than 1 inch
- Perform fabric tensioning as determined by annual inspection or otherwise as necessary.
- Change light fixture bulbs as needed (Note: scissor lift required)
- Perform preventive and corrective maintenance on both the entrance and rollup doors to ensure smooth operation
- Replace hardware components as determined by annual inspection.
- Visually inspect fabric shelter ropes monthly for fraying. Replace ropes showing signs of fraying.

3.6.4.2 Mobile Trailers Maintenance

The Contractor shall be responsible for all repairs and replacements in compliance with DOT standards and regulations for road worthiness. The Contractor shall be responsible for inspecting the mobile trailers before moving for road worthiness. The Contractor shall be responsible for all repairs necessary to maintain a safe and reliable transport prior to movement.

The Contractor is responsible for generator fuel when the mobile trailers are not deployed. The Contractor shall routinely test fuel quality not less than one (1) time per month and notify the COR and the designated Government representative when the fuel is below acceptable standards in accordance with American Society for Testing and Materials (ASTM) D975-13.

3.6.4.3 Real Property Facilities Maintenance

The Contractor shall be responsible for notifying the COR and Public Works, or a designated office, of facility conditions requiring attention. Public Works services will be provided at no

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expense to the Contractor, provided the cause of the maintenance or repair is not Contractor induced. Refurbishment or alteration of government-furnished spaces may be performed by the Government to accommodate equipment installation or service improvement. The Contractor shall be responsible for the cleanliness and normal housekeeping services of all assigned areas IAW the Janitorial Maintenance requirements identified in paragraph 3.6.5 Janitorial Maintenance.

3.6.4.4 Major Facility Replacement Items

If the contractor can demonstrate that all maintenance has been completed in accordance with the prescribed schedule, and the contractor identifies an item that needs to be repaired or replaced, and the repair or replacement costs (including equipment and the installation cost) exceeds \$5,000, the Contractor may submit a proposal to the Government to request reimbursement. The COR and the Contracting Officer must approve any such costs in advance, or else the Contractor is solely responsible for the cost of the repair or replacement. The only equipment/services eligible for Contractor reimbursement are those for HVAC, Roofs, Generators, Compressors, and AGTS main power cables.

For purposes of this paragraph, within 30 days of contract award, the Contractor shall submit a proposal to the COR and the Contracting Officer to paint the full exterior of the Camp Pendleton, 29 Palms and Kaneohe Bay CCS modular facilities. This will be treated as a one time major facility replacement item. Future painting is not eligible for reimbursement.

3.6.5 Janitorial Maintenance

The Contractor shall maintain all assigned areas as required to meet local and base cleaning standards or regulations. The Contractor shall provide all required materials to accomplish the required tasks (e.g., Janitorial supplies, light bulbs, paper towels, toilet paper, soap, window unit air conditioner filters, etc.). Responsibilities include cleanliness of assigned range and training devices and equipment, offices, and other assigned spaces including passageways, heads, stairways, restrooms, etc., which are located entirely within, or used for sole access and support of assigned training devices and equipment or spaces. When the Contractor occupies an entire facility or major section of a facility, Contractor responsibilities shall include all common areas unless otherwise specified. For safety reasons, all wet mopping shall be completed either before or after normal operating hours. All safety and fire requirements shall be complied with to avoid any unsafe conditions or fire hazards.

3.6.6 Warranty Maintenance

The Government will provide the Contractor a listing of all training system and ancillary equipment that are covered under OEM warranty as part of the GFP inventory information. The Government will provide updates to this listing throughout the term of the contract, as new VTSS items are fielded or replaced if they have warranty coverage. The Contractor shall abide by the terms and conditions of the warranty coverage and provided Government warranty

procedures. The Contractor shall document warranted items actions on a monthly basis in the Contractor's Progress, Status and Management Report (CDRL B001). The Contractor shall not perform unauthorized maintenance or modifications to items that are under warranty, unless explicitly approved by the PCO.

The Contractor shall notify the COR and designated Government representative when latent defects of warranted items are suspected or when the warranty provider is not meeting the warranty terms and conditions to include turnaround time. The Contractor shall also notify the COR and designated Government representative when latent defects are discovered in items no longer under warranty.

3.7 Training Support

The Contractor shall provide a class training report to the corresponding Unit Commanders/Unit S-3 upon class completion as required per each TSO. The Contractor shall report training and all related data in the monthly Training Systems Utilization Report (TSUR) (CDRL F001).

The Contractor shall review courseware, trainee feedback, training procedures, platform changes and modifications, and any other relevant information, and provide recommendations to the Government for training material improvements as part of continuous improvement practices and maintaining training concurrent with USMC changes. The recommended updates will be reviewed, approved, and incorporated into the curricula by the Government prior to use IAW Training Evaluation Document (CDRL F002).

Contractor Training Support is only to be performed if specifically addressed in the applicable TSO. In such case, the Contractor shall provide appropriate Government-furnished technical documentation for operation of training devices as part of Marine instructor training. If any technical documentation is found to be incorrect or incomplete, appropriate materials shall be redlined by the Contractor and provided to the Government for recommended corrective action. All Contractor developed procedures, techniques, approaches, data, tests, diagnostics, findings, notes, or other information for the performing of operations and maintenance shall be documented by the Contractor and delivered to the Government. The Contractor shall report training provided in the monthly TSUR report. The Contractor shall provide a class training report to the corresponding Unit commanders/Unit S-3 upon class completion as required per each TSO.

3.8 Operational Availability

The Contractor shall maintain each system's Ao. Ao is measured at the system level at each location. In the event that a location has more than one (1) system (e.g., Camp Lejeune), the Ao requirement will be assessed for each system. Unless otherwise specified in a TSO, refer to paragraph 3.4.2.3 RAM Report for Ao computation.

Mission Essential function failures and notification of “non-mission capable” status shall be emailed to the COR and Government representative within one (1) hour. Notification of return to mission capable status shall be emailed to the COR and Government representatives within one (1) hour of the system becoming “mission capable”.

Refer to the TSOs for each training system specific Mission Essential function failures and Ao requirement.

3.9 System Operations

As detailed in the system specific TSO, the Contractor shall provide operation of training systems, provide training system familiarization sessions, issue training systems, and provide training system capabilities expertise during exercise planning and coordination meetings. The Contractor(s) shall operate and assist the Government with equipment operations, orientation, utilization, issuance of training equipment (e.g., weapons, magazines, headsets, optics, exercise planning, and blank weapon magazine charging) throughout the training as described in each system each individual TSO. The Contractor shall assist in system testing events and provide expertise in identifying and demonstrating system failure issues, operation or operator failure modes, and provide recommendations to resolve system or procedure issues. The Contractor shall document operation hours in the monthly report IAW Contractor’s Progress, Status and Management Report (CDRL B001).

3.10 System Functionality

The Contractor shall verify that the training systems and component parts are RFT prior to scheduled use. The Contractor shall conduct an operational check of all systems or perform a site inspection and correct all maintenance problems and ensure the training systems are operational and that the environment is safe for training. The Contractor shall notify the COR and Government representatives in all instances of maintenance issues resulting in a cancelled training exercise and identify all instances of maintenance issues resulting in training systems not being RFT within one (1) hour of determining the system is not RFT and document in the monthly Contractor’s Progress, Status and Management Report (CDRL B001).

The Contractor shall verify the training systems and component parts, including simulated weapons, are RFT through DORT. Operational deficiencies shall be documented in the MIS and resolved by the Contractor. The Contractor shall identify parts requiring repair in the MSP (CDRL D001) and determine whether the repair can be made on-site. If the Contractor’s on-site personnel are unable to correct maintenance problems with any training system or equipment, it is the Contractor’s responsibility to seek third party resources to complete repairs at no additional cost to the Government.

3.11 System Reallocation

Training systems in whole or by location may be reallocated and revised during the term of this contract. The Government will notify the Contractor of any disposition and location changes.

The Government may have other future requirements to dispose of, disassemble, pack and/or prepare for shipment/storage, unpack, assemble and prepare for the operation of training systems, equipment and associated supplies. Requirements may also develop to relocate/move/refurbish training systems and equipment (including modular trailers, mobile trailers and shade structures) at a training site and/or among training sites. Future requirements may include the addition or reduction of new training sites. The Government reserves the right to relocate office, storage and maintenance space designated for Contractor use. However, these requirements may also be accomplished through organic Government resources.

3.12 Training System Modifications

Training systems, equipment and facilities may be modified and upgraded during the PoP of this contract. The Contractor is relieved from Ao responsibility for systems undergoing modifications by the Government or third party with the following exception: during the modification process, any equipment failures not part of or attributable to the modification shall be repaired by the Contractor.

The Contractor shall ensure the system is in a RFT status before the modification process. When the modification program has been completed and accepted by the Government, maintenance responsibility shall return to the Contractor.

3.12.1 Pre-Modifications and Post Modification Inspection

When the Government installs, changes, or modifies a training system, the Contractor shall participate in pre-modification and post-modification inspections conducted by the Government.

The Contractor shall be required to correct identified deficiencies prior to inspection. The Contractor shall report all testing, modification and inspections in the monthly Contractor's Progress, Status and Management Report (CDRL B001).

The Contractor shall resume full operational responsibilities of the new baseline upon the completion of system modification.

3.12.2 Transition of Training Systems to Third-Party Contractor

Training systems shall undergo modifications to refresh the existing systems' hardware and software. On a date specified by the Government that is no earlier than thirty (30) calendar days from Government notification, the Contractor shall successfully perform a transition and transfer of responsibility of each individual training system to a third-party Contractor (to be identified upon notification). The Contractor shall complete a joint inventory of all assets at each specific system location with the third-party Contractor and the COR. The Contractor shall produce and

deliver an inventory report IAW the Phase-Out Transition Plan (CDRL B004) documenting the results of the joint inventory NLT one (1) business day prior to the date of transition. The Contractor shall be responsible for ensuring all transfer of custody documentation is completed, signed and submitted to the COR as part of the inventory report. Upon transition and transfer, the Contractor is to be relieved of responsibilities for the training systems.

3.13 Surge Training Requirements and other Approved Events

The Government may have a requirement to support additional training, maintenance, or other requirements deemed necessary by the Government. Surge support is a specific requirement that can be met by the PCO's unilateral increase in quantity of support for the task that is within the scope of the training requirements delineated in the PWS, but is not currently priced against the underlying contract. In these instances, the Government will request the Contractor provide Surge Support. Surge Support will be requested by the COR, and negotiated and approved by the PCO. Refer to the individual TSO for training systems specific requirements for surge support.

The Government will provide written notice for each surge support requirement during the base or any option period and will be in-scope to provide increased support for the defined task areas of the PWS. Surge support will be provided at the same labor rates proposed during the base and each exercised OY. All material, travel and shipping costs associated with surges and other approved events support shall be cost reimbursable under the Surge CLIN. The Contractor shall transport and support VTSS systems IAW the PWS and system specific TSO to ranges and other locations as approved by the COR. This includes, but is not limited to the packing, unpacking, setup, transporting and testing of the training system IAW instructions provided in applicable maintenance and operating manuals. The Contractor shall provide a Not-to-Exceed (NTE) cost proposal to the COR within five (5) calendar days upon receiving a Surge Support or other support request. The cost proposal will include a detailed list of all expenses to be incurred by the Contractor.

4 Deliverables

The Contractor shall provide deliverables as described in this PWS. Deliverables shall be specified by the Government. Format and delivery schedule for deliverables shall be outlined in the applicable CDRLs.

- A001 Engineering Change Proposal (DI-SESS-80639D)
- A002 Contractor's System Security Plan (DI-MGMT-82247)
- A003 Scientific and Technical Report – Contractor's Record of Tier 1 Level Suppliers Receiving/Developing CUI (DI-MISC-80711A)
- A004 Scientific and Technical Report – Cyber Incident Reporting (DI-MISC-80711A)
- B001 Contractor's Progress, Status and Management Report (DI-MGMT-80227)
- B002 Travel Report (DI-MISC-81943)

- B003 Technical Report Study/Services - Contractor's Management and Technical Plan (DI-MISC-80508B)
- B004 Phase-Out Transition Plan (DI-MGMT-81945)
- B005 Conference Agenda (DI-ADMN-81249B)
- B006 Conference Minutes (DI-ADMN-81250B)
- B007 Accident Mishap Report (DI-MGMT-82188)
- B008 Technical Report Study/Services - Phase-In Plan (DI-MISC-80508B)
- B009 Technical Report Study/Services - Management Information System Plan (DI-MISC-80508B)
- B00A Technical Report Study/Services - Management Information System Report (DI-MISC-80508B)
- D001 Maintenance Support Plan (DI-ILSS-81225)
- D002 Government Property Inventory Report (DI-MGMT-80441B)
- F001 Training Systems Utilization Report (DI-PSSS-82161)
- F002 Training Evaluation Document (DI-SESS-81524B)

5 Applicable References

The Contractor shall comply with all documents listed below as mandatory and referenced within this PWS.

- DoDD 8140.01, Cyberspace Workforce Management
- DoD Guide for Achieving Reliability, Availability, and Maintainability, 3 August 2005
- 29 CFR 1910, Section 120, Hazardous Waste Operations and Emergency Response
- 29 CFR 1926, Subpart D, Occupational Safety and Health Administration (OSHA)
- NAVMC DIR 5100.8, Marine Corps Occupational Safety and Health (OSH) Program Manual
- Immigration Reform and Control Act of 1986 (IRCA) Public Law 99-603 (8 U.S.C. 1324a) Unlawful employment of aliens
- Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environment, American Conference of Governmental Industrial Hygienists (ACGIH)
- Title I, Gun Control Act of 1968
- USFJ Instruction 31-207, Firearms and Other Weapons in Japan
- 22 CFR 120-130, International Traffic in Arms Regulation
- MIL-STD-130 Identification Marking of U.S. Military Property
- Environmental, Safety, and Occupational Health (ESOH) (DODD 4715.1E)
- MIL-HDBK-61A: Configuration Management Guidance
- EIA-649: National Consensus Standard for Configuration Management
- MIL-STANDARD-2073-1: Standard Practice for Military Packaging
- NIST Special Publication 800-171, Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations, December 2016

- ALMAR 010/01, USMC Policy on Civilian Guests
- MCO 5530.14A
- MCO P11000.5G Ch 2.

6 Acronym List

Acronym	Definition
AAV	Amphibious Assault Vehicle
AAV-TT	Amphibious Assault Vehicle - Turret Trainer
ACGIH	American Conference of Governmental Industrial Hygienists
AGTS	Advanced Gunnery Training Systems
ALMAR	All Marines
Ao	Operational Availability
AQL	Acceptable Quality Level
ATP	Acceptance Test Procedures
CA	Contract Award
CAP	Contractor Acquired Property
CCS	Combat Convoy Simulator
CDRL	Contract Data Requirements List
CLIN	Contract Line Item Number
CLS	Contractor Logistics Support
CM	Corrective Maintenance
CONUS	Contiguous United States
COR	Contracting Officer's Representative
COTS	Commercial-Off-The-Shelf
CSD	Contract Service Date
CUI	Controlled Unclassified Information
CVTS	Combat Vehicle Training Systems
DAGTS	Deployable AGTS
DFARS	DoD Federal Acquisition Regulation Supplement
DMSMS	Diminishing Manufacturing Sources and Material Shortages
DoD	Department of Defense
DORT	Daily Operations Readiness Tests
DOT	Department of Transportation
DRET	Dry Egress Trainer
ECP	Engineering Change Proposal
ESOH	Environmental, Safety, and Occupational Health
FAR	Federal Acquisition Regulation
FFL	Federal Firearms License

FFP	Firm Fixed Price
GFE	Government Furnished Equipment
GFI	Government Furnished Information
GFP	Government Furnished Property
GIDEP	Government Industry Data Exchange Program
GSU	Government Scheduled Use
HEAT	HMMWV Egress Assistance Trainer
HVAC	Heating, Ventilation, and Air Conditioning
IAW	In Accordance With
IMTS	Improved Moving Target Simulator
IPT	Integrated Product Team
IRCA	Immigration Reform and Control Act
ISMT	Indoor Simulated Marksmanship Trainer
IT	Information Technology
ITARS	International Traffic in Arms Regulation
IUID	Item Unique Identification Data
JET	Joint Light Tactical Vehicle (JLTV) Egress Trainer
JLTV	Joint Light Tactical Vehicle
LAV	Light Armored Vehicle
LAV-DT	LAV-25 Driver Trainer
MAGTS	Mobile AGTS
MARCORSYSCOM	Marine Corps Systems Command
MCAGCC	Marine Corps Air Ground Combat Center
MCB	Marine Corps Base
MCO	Marine Corps Order
MTBOMF	Mean Time Between Operational Mission Failure
MET	MRAP Egress Trainer
MIS	Management Information System
MISP	Management Information System Plan
MIL-STD	Military Standard
MSP	Maintenance Support Plan
NET	New Equipment Training
NIST	National Institute of Standards and Technology
NLT	No Later Than
OCI	Organizational Conflict of Interest
OCONUS	Outside Contiguous United States
ODS	Operator Driver Simulator
OEM	Original Equipment Manager
OSH	Occupational Safety and Health

OSHA	Occupational Safety and Health Administration
OY	Option Year
PAAR	Pre-Brief After Action Review
PAC	Post Award Conference
PCO	Procurement Contracting Officer
PM	Preventive Maintenance
PM TRASYS	Program Manager, Training Systems
PMR	Program Management Review
POC	Point of Contact
PoP	Period of Performance
PWS	Performance Work Statement
QCP	Quality Control Plan
RAGTS	Relocatable AGTS
RAM	Reliability, Availability, and Maintainability
RFT	Ready for Training
SOFA	Status of Forces Agreement
SSP	System Security Plan
TAGTS	Tabletop AGTS
TAMCN	Table of Authorized Material Control Number
TSO	Training Systems Overview
TSUR	Training Systems Utilization Report
UIC	Unit Identification Code
UID	Unique Identification
UII	Unique Item Identifier
U.S.	United States
USMC	United States Marine Corps
USN	United States Navy
VCCT/RVS	Virtual Combat Convoy Trainer/Reconfigurable Virtual Simulator
VTSS	Virtual Training Systems Sustainment

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 103																																																																							
1. CONTRACT/PURCH ORDER/AGREEMENT NO. N0017819D8334			2. DELIVERY ORDER/CALL NO. M6785419F3504		3. DATE OF ORDER/CALL (YYYYMMDD) 2019AUG01		4. REQUISITION/PURCH REQUEST NO. M67854-19-R-3007		5. PRIORITY Unrated																																																																								
6. ISSUED BY MARCORSYSCOM 2200 Lester St Bldg 2200 Quantico, VA 22134-6050				7. ADMINISTERED BY (If other than 6) NSWC, DAHLGREN DIVISION 17632 Dahlgren Road Suite 157 Dahlgren, VA 22448-5110		8. DELIVERY FOB SCD: C <input type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)		9. CONTRACTOR Pro-Active Technologies, Inc. 5712 Dot Com Court Oviedo, FL 32765																																																																									
10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE				11. X IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		12. DISCOUNT TERMS Net 30 Days WAWF		13. MAIL INVOICES TO THE ADDRESS IN BLOCK SEE SECTION G																																																																									
14. SHIP TO SEE SECTION F				15. PAYMENT WILL BE MADE BY DFAS Columbus Center, South Entitlement Operations P.O. Box 182264 Columbus, OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.																																																																									
16. TYPE OF ORDER		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">DELIVERY/ CALL</td> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 80%;">This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.</td> </tr> <tr> <td style="text-align: center;">PURCHASE</td> <td style="text-align: center;"><input type="checkbox"/></td> <td>Reference your _____ furnish the following on terms specified herein.</td> </tr> </table>									DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.	PURCHASE	<input type="checkbox"/>	Reference your _____ furnish the following on terms specified herein.																																																																	
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<div style="display: flex; justify-content: space-between;"> <div>Pro-Active Technologies, Inc.</div> <div>Kathy Keyser</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>NAME OF CONTRACTOR</div> <div>SIGNATURE</div> <div>TYPED NAME AND TITLE</div> <div>DATE SIGNED (YYYYMMDD)</div> </div>																																																																																	
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:																																																																																	
17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE SEE SCHEDULE																																																																																	
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/SERVICES					20. QUANTITY ORDERED/ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT																																																																								
	SEE SCHEDULE																																																																																
<i>*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.</i>					24. UNITED STATES OF AMERICA /s/Edward McGrail BY: _____			25. TOTAL \$11,009,536.00																																																																									
27a. QUANTITY IN COLUMN 20 HAS BEEN					26. DIFFERENCES																																																																												
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED:					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="padding: 5px;">b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</td> <td colspan="2" style="padding: 5px;">c. DATE (YYYYMMDD)</td> <td colspan="3" style="padding: 5px;">d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</td> </tr> <tr> <td colspan="3" style="padding: 5px;">e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE</td> <td colspan="2" style="padding: 5px;">28. SHIP. NO.</td> <td colspan="2" style="padding: 5px;">29. D.O. VOUCHER NO.</td> <td colspan="2" style="padding: 5px;">30. INITIALS</td> </tr> <tr> <td colspan="3" style="padding: 5px;">f. TELEPHONE NUMBER</td> <td colspan="2" style="padding: 5px;">g. E-MAIL ADDRESS</td> <td colspan="2" style="padding: 5px;">32. PAID BY</td> <td colspan="2" style="padding: 5px;">33. AMOUNT VERIFIED CORRECT FOR</td> </tr> <tr> <td colspan="3" style="padding: 5px;">36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.</td> <td colspan="2" style="padding: 5px;">31. PAYMENT</td> <td colspan="2" rowspan="3" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;">34. CHECK NUMBER</td> </tr> <tr> <td colspan="3" style="padding: 5px;">a. DATE (YYYYMMDD)</td> <td colspan="2" style="padding: 5px;">b. SIGNATURE AND TITLE OF CERTIFYING OFFICER</td> <td colspan="2" style="padding: 5px;">35. BILL OF LADING NO.</td> </tr> <tr> <td colspan="3" style="padding: 5px;">37. RECEIVED AT</td> <td colspan="2" style="padding: 5px;">38. RECEIVED BY (Print)</td> <td colspan="2" style="padding: 5px;">39. DATE RECEIVED (YYYYMMDD)</td> </tr> <tr> <td colspan="3" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;">40. TOTAL CONTAINERS</td> <td colspan="2" style="padding: 5px;">41. S/R ACCOUNT NUMBER</td> </tr> <tr> <td colspan="3" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;">42. S/R VOUCHER NO.</td> </tr> </table>						b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE			c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE			e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			28. SHIP. NO.		29. D.O. VOUCHER NO.		30. INITIALS		f. TELEPHONE NUMBER			g. E-MAIL ADDRESS		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.			31. PAYMENT				34. CHECK NUMBER		a. DATE (YYYYMMDD)			b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		35. BILL OF LADING NO.		37. RECEIVED AT			38. RECEIVED BY (Print)		39. DATE RECEIVED (YYYYMMDD)									40. TOTAL CONTAINERS		41. S/R ACCOUNT NUMBER											42. S/R VOUCHER NO.	
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