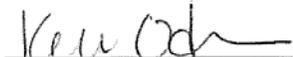


**Statement of Work
For
RANGE TRAINING SYSTEMS (RTS)**



**MARINE CORPS SYSTEMS COMMAND
PROGRAM MANAGER FOR TRAINING SYSTEMS
12350 RESEARCH PARKWAY
ORLANDO, FL 32826-3275**

PREPARED BY

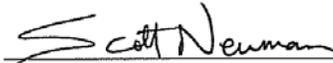

Koren Odermann
PJM RTADS, PMTRASYS

Date: 2-9-10

CONCURRENCE


Mark Judge
Deputy APM RTADS, PMTRASYS

Date: 2-9-10


Scott Newman
Lead Engineer RTADS, PMTRASYS

Date: 9 Feb 2010


Rick Smith
Logistics Analyst RTADS, PMTRASYS

Date: 9 Feb 2010


Edward Arend
Facilities Engineer RTADS, PMTRASYS

Date: 2-9-10

APPROVED BY


CWO4 David M. Dutton
PJM RTADS, PMTRASYS

Date: 100209

Sherri Marquis
Contracting Specialist, PMTRASYS

Date: _____

JOHN E. LYNCH
Contracting Officer
Marine Corps Systems Command

Date: _____

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Statement of Work
For
Range Training Systems (RTS)

1. SCOPE.

The Marine Corps has a current operational requirement to modernize its Range Training Systems with various types of automated and non automated target equipment and simulators as listed in the systems requirements specification. This Statement of Work (SOW) defines the tasks to be performed during the production, test, installation, and delivery of the modernization of Range Training System (RTS). The contractor shall perform a mix of systems and logistics engineering, design, development and systems integration, and training and installation of the RTS.

2. APPLICABLE DOCUMENTS.

The following documents of the issue listed form a part of this SOW to the extent specified herein. In the event of a conflict between documents referenced herein and the contents of this SOW, the contents of this SOW take first precedence. Nothing in this SOW, however, supersedes applicable laws and regulations, unless a specific exemption has been obtained. This SOW is designated as a first tier document. The documents referenced directly in this SOW are designated as second tier documents and are considered part of this SOW to the extent specified herein. Documents referenced in successive tiers are not part of this SOW and are to be used for guidance only.

2.1 Documents.

Government

System Specification	System Specifications for Range Training Systems
MIL-HDBK-217F	Reliability Prediction of Electronic Equipment
MIL-HDBK-472	Maintainability Prediction
MIL-HDBK-1027/3B	Range Facilities and Miscellaneous Training Facilities other than Buildings
CEHNC 1110-1-23	USACE Range Design Guide for Sustainable Range Program, 1 Dec 04

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American National Standards Institute (ANSI)

- ANSI/ASQC-Q9000–1994 - Quality Management and Quality Assurance
- Standards Guidelines for Selection and Use
- ANSI/ASQC-Q9001-1994 - Quality Systems - Model for Quality Assurance in Design/Development, Production, Installation, and Servicing
- ANSI/ASQC-Q9004–1994 - Quality Management and Quality System Elements

3. REQUIREMENTS.

3.1 General.

The contractor shall ensure compliance with the contract requirements and the timely delivery of products and services identified in Section B of the contract as it pertains to individual Delivery Orders. Based on the scope of work for each delivery order, the contractor shall deliver supplies identified on the contract line items (CLINs) in Section B as part of a larger Range Training System (RTS). The contractor shall design and install the RTS as a “Turn-Key Solution.” CLIN items may also be procured as stand-alone items. In the case of these stand-alone items, the contractor shall deliver to the locations specified in each delivery order.

3.1.1 Turn-Key Solution

The Government’s expectation of a “Turn-Key Solution” is one that, upon Government acceptance, is ready for Marine Corps training. Each RTS shall be dependent upon the requirements within individual Delivery Orders placed under the base IDIQ contract. Each of the Section B supply CLINs encompass the RTS and pricing shall consist of all associated RTS

design and installation, to include labor, materials, integrated program management and Information Assurance. Technical Data shall not be separately priced.

3.2 Specific Requirements

3.2.1 Range Training Systems

Based on the requirements of each delivery order, the contractor shall deliver and install the targets as part of a larger RTS, IAW the SOW and Specification. Targets identified as parts of a larger RTS will be installed on existing USMC training ranges worldwide. The contractor's efforts shall be inclusive of all labor and materials required to install/secure targets to specified location as well as the connection of all power and data (as required, standard length 4 ft) to support turn-key operations.

3.2.1.1 Range Control Station (RCS) (Stationary and Portable)

The contractor shall provide a Range Control Station (RCS) in accordance with the attached specification. The contractor shall provide a centralized stationary RCS with the capability to control all range devices. In addition the contractor shall provide a portable controller device (laptop) with Radio Frequency (RF) capability to control all targets as required. The contractor shall provide a capability which provides two-way communications to control and receive information between the portable and stationary RCS and the various range equipment, i.e., target and simulation devices. The contractor shall provide a portable RCS which communicates with the Range target equipment and the stationary RCS via a two-way RF link and permit full operation of all Range equipment whether linked via RF link or target control cable. All Range Control Stations, hand-held controllers and pistol pneumatic target systems must be Information Assurance compliant in accordance with this SOW.

Comment [g1]: Still confusing.

3.2.1.2 Hand Held Controller (HHC)

The contractor shall provide a HHC in accordance with the attached specification. All computer equipment as part of the system must be Information Assurance compliant in accordance with this SOW.

3.2.1.3 Stationary Infantry Targets (SITs)

As required, the contractor shall provide Stationary Infantry Targets (SITs) in accordance with the specification. SITs shall have the capability to be powered by Alternating Current/Direct Current (AC/DC) and battery and communicate via:

- a. Radio Frequency (RF)
- b. Target Control Cable (Hard-wired)

3.2.1.4 Moving Infantry Targets (MITs)

As required, the contractor shall provide Moving Infantry Targets (MITs) in accordance with the specification. The contractor shall provide MITs that have 40ft of track, move via trolley and track have the following configurations:

- a. Battery powered, RF controlled.
- b. Automated Pneumatic (with air compressor), AC/DC, Hard-wire control

3.2.1.5 MIT Track

The contractor shall provide 10 ft track sections to increase the track length of the MIT track in accordance with the specification.

3.2.1.6 Stationary Armor Targets (SATs)

As required, the contractor shall provide Stationary Armor Targets (SATs) in accordance with the specification. SATs will have the following configurations:

- a. Battery Powered, RF controlled
- b. AC/CD powered, Hard-wire controlled

3.2.1.7 Moving Armor Targets (MATs).

The contractor shall provide Moving Armor Targets (MATs) that are battery, or AC/DC powered and Radio Frequency (RF) or data hard-wired controlled; with data hardwired; trolley and 100 ft track as required in accordance with the specification.

3.2.1.8 MAT Track

The contractor shall provide 20 ft track section to increase length of MAT track in accordance with the specification.

3.2.1.9 Pistol Pneumatic Target System

The contractor shall provide Pistol Pneumatic Target Systems as required in accordance with the specification. All computer equipment as part of the system must be Information Assurance compliant in accordance with this SOW.

3.2.1.10 Target Motion (Target arm and Target Swivel Motor)

The contractor shall provide arms and motors that will provide conventional mode which is a pop up or lifting mode: the target rising out of a cover and lowering behind a drawback. The contractor shall provide the additional modes of target actuation such as: swivel motion (friend or foe), slashing, swing, horizontal through a combination of installation of motors and target arms.

3.2.1.11 Non-automated Steel Targets

The contractor shall provide Non-automated Steel Targets as required in accordance with the attached specification.

3.2.1.12 Remote Control Steel Sniper re-setting Targets

The contractor shall provide a remote control steel sniper re-setting target system as required in accordance with the attached specification.

3.2.1.13 Environmental Friendly Steel 3 Dimensional (3D) Targets

The contractor shall provide Environmental Friendly Steel 3D Targets as required in accordance with the attached specification.

3.2.1.14 Steel Silhouette Targets

The contractor shall provide a steel silhouette targets as required in accordance with the attached specification.

3.2.1.15 2 Dimensional (2D)/3D Target Silhouettes

The contractor shall provide 2D/3D Target Silhouettes as required in accordance with the attached specification. The contractor shall provide target accessories.

3.2.1.16 2D/3D Target Silhouettes Accessories

The contractor shall provide all 2D/3D Target Silhouettes accessories i.e., cell phone, Improvised Explosive Device (IED) Bag, rifle, thermal/heat signature and Rocket Propelled Grenade (RPG).

3.2.1.17 Heavy Duty Target Carriages (HDTC)

The contractor shall provide a Heavy Duty Target Carriages (HDTC) as required in accordance with the attached specification

3.2.1.18 Portable Target Holder

The contractor shall provide a portable target holder as required in accordance with the attached specification.

3.2.1.19 Targetry Solar Panels

The contractor shall provide Targetry solar panels w/ attaching hardware and charging cables as required in accordance with the attached specification.

3.2.1.20 Bullet Traps (Portable and Permanent)

The contractor shall provide a bullet traps as required in accordance with the attached specification.

3.2.1.21 Ballistic Rubber (Block and Panel)

The contractor shall provide a ballistic rubber block and/or panel as required and in accordance with the attached specification.

3.2.1.22 Shock Absorbing Concrete (SACON) (Block and Panels)

The contractor shall provide a SACON block and or panels as required in accordance with the attached specification.

3.2.1.23 Dust Generator

The contractor shall provide a dust generator as required in accordance with the attached specification.

3.2.1.24 Sound Effects Simulator (SES)

The contractor shall provide a Sound Effects Simulator installed on a range as required in accordance with the attached specification.

3.2.1.25 Night Muzzle Flash Simulators (NMFS)

The contractor shall provide a Night Muzzle Flash Simulators (NMFS) as required in accordance with the attached specification.

3.2.1.26 Omega 36 B/2

The contractor shall provide only the Omega 36 B/2 pyrotechnic launcher w/cabling that has been Weapons Systems Explosive Safety Review Board (WSESRB) approved with an approved Safety of Use Memorandum (SOUM) as required in accordance with the attached specification.

Comment [g2]:

3.2.2 Stand-Alone Items

The following Stand-Alone items shall meet the requirements for quality assurance and technical documentation as stated below. Stand-Alone items require no design or installation. The contractor shall deliver end items per the delivery order. Note: No other paragraphs listed in the detailed tasks section in the SOW will apply to the stand alone.

3.2.2.1 Attachable Printed Targets (Vehicle and Personnel)

The contractor shall provide attachable printed vehicle and personnel (Friend or FOE) targets as required in accordance with the attached specification. The contractor shall provide printed vehicle view as directed by the delivery order.

3.2.2.2 Mounted Convoy Operations Improvised Munitions Explosive Effects Simulator System (MCOIMEESS)

The contractor shall provide a MCO IMEESS as required in accordance with the attached specification.

3.2.2.3 Urban Dismounted Operation (UDO) IMEESS

The contractor shall provide an Urban Dismounted Operation (UDO) System as required in accordance with the attached specification.

3.2.2.4 Suicide Vest Version 3.2/3.4

The contractor shall provide Suicide Vest versions 3.2 or 3.4 as required in accordance with the attached specification.

3.2.2.5 Carbon Dioxide (CO₂) Fill Station System

The contractor shall provide a fill station system with associated hardware as required in accordance with the attached specification.

3.2.2.6 9 oz CO₂ Tank w/High Flow Valve

The contractor shall provide a 9 Ounce CO₂ Tank w/High Flow Valve as required in accordance with the attached specification

3.2.2.7 Magnetic Squib

The contractor shall provide a Magnetic Squib as required in accordance with the attached specification.

3.2.2.8 Multifunction Detonator

The contractor shall provide a Multifunction Detonator as required in accordance with the attached specification.

3.2.2.9 Illumination FX

The contractor shall provide an Illumination FX as required in accordance with the attached specification.

3.2.2.10 Trigger Command Fill Valve Assembly

The contractor shall provide a Trigger Command Fill Valve Assembly as required in accordance with the attached specification.

3.2.2.11 Badger- AK47 simulator

The contractor shall provide an AK47 simulator i.e., Badger model as required in accordance with the attached specification.

3.2.2.12 Explosive Effects Simulator (XO2)

The contractor shall provide an Explosive Effects Simulator i.e., XO2 as required in accordance with the attached specification.

3.3 Detailed Tasks.

3.3.1 Integrated Program Management

The contractor shall integrate and manage all of the program management, engineering, and logistics disciplines necessary to design, deliver, install, and provide training on the RTS as described in this contract. The contractor is responsible for all tasks performed by their sub-contractors.

3.3.1.1 Integrated Project Team Meetings

The contractor shall participate in IPT meetings throughout the entire contract period of performance. The contractor shall and the Government will agree upon a suitable schedule for IPT meetings. Each IPT meeting shall provide a forum suitable for maintaining a continuous interchange of ideas, issues, and to identify and resolve potential problem areas. All IPT meetings shall be documented through meeting minutes. The contractor shall prepare the agenda items and minutes and submit to the PM TRASYS Project Officer. [CDRL B001, Agenda DI-ADMN-81249A and CDRL B002; Minutes, DI-ADMN-81250A]

3.3.1.2 Integrated Master Schedule (IMS)

The contractor shall prepare and deliver an Integrated Master Schedule (IMS) for each delivery order. The IMS shall present a finalized tiered scheduling system showing all critical milestones and prerequisite events. Subcontractor schedules shall be integrated into the contractor's scheduling system. The IMS shall include all program milestones, conferences, reviews, major team meetings, data submittals, demonstration events, and deliveries. The contractor shall develop a detailed schedule to assure all project milestones will be met and to assure deliveries as specified in the contract. [CDRL B003, Integrated Master Schedule - DI-MGMT-81650]

3.3.2 Planning and Design Reviews

The contractor shall conduct, attend, and participate in conferences and reviews to be held at both the contractor and Government facilities. The need for specific conferences, specific locations, dates, and duration of the conferences shall be as specified in the contract schedule and as mutually agreed upon. Conferences and reviews will be co-chaired by a Government and contractor representative. The contractor shall be prepared to explain the reasoning, assumption, and methodologies in arriving at particular conclusions, recommendations, or alternatives in the accomplishment of the tasks required by the contract. The contractor shall have key personnel and support available to carry out the conference. The contractor shall make available facilities for Government only meetings during all conferences and reviews at the contractor's facility. Subcontractors shall attend conferences and reviews when required to address key elements. The contractor shall prepare and deliver the Conference Agenda and Conference Minutes and Presentation Material. [CDRL B001, Conference Agenda – (DI-ADMN-81249A), CDRL B002, Conference Minutes –(DI-ADMN-81250A), CDRL B004, Presentation Materials – (DI-ADMN-81373)]

3.3.2.1 Site/Design Reviews

The contractor shall conduct, and participate as appropriate, in site visits and design reviews to assist in the development of concepts and designs within the scope of this work effort as per each delivery order. The design review shall be a formal technical review of the basic design approach, the allocated baseline, and changes made to the allocated baseline. The design review shall cover the progress and technical adequacy of the selected design approach. The design reviews shall allow the Government to evaluate the technical risk associated with the selected design approach. The contractor shall conduct design reviews will be in coordinated with the drawing deliverables as stated herein.

3.3.3 Safety and Environmental Responsibility

3.3.3.1 System Safety

The contractor shall eliminate or reduce safety hazards to both personnel and equipment to a level acceptable to the Government. Safety shall be an agenda item and reviewed at each scheduled technical review.

All items, materials and services provided shall comply with MIL-STD-882, System Safety Program Requirements, as well as any other mandatory safety provisions (e.g. technical specifications, technical publications, base procedures, Occupational Safety and Health Standards, NEPA, and MIL Standards). The safety program shall:

- Develop and document procedures and a schedule for managing system safety engineering in accordance with all safety provisions.
- Provide appropriate safety documentation in support of the safety provisions at appropriate program reviews.
- Provide an environment free of safety hazards to Marines, role players, operators, maintainers and other personnel.
- Provide equipment and materials that are environmentally considerate throughout the system's lifecycle.

- Conduct a safety assessment and health hazard analysis and prepare and deliver a Safety Assessment Report (SAR). The analysis shall include a description of all identified risks, hazards, and environmental concerns, and the means to reduce these risks to acceptable levels. **[IAW CDRL A001, Safety Assessment Report – (DI-SAFT-80102B)]**

3.3.3.2 Health Hazard Assessment

The contractor shall identify all potential health hazards and recommend engineering controls, equipment and protective procedures to reduce the associated risk to an acceptable level. The contractor shall assess system, facility, and personnel protective equipment design requirements to allow safe operation and maintenance. When feasible engineering designs are not available to reduce hazards to acceptable levels, you shall develop alternative protective measures. The contractor shall address the hazardous materials listed in the Environmental Protection Agency's (EPA) toxics release inventory and the list of Class I and Class II stratospheric ozone depleting substances (ODSs), as listed in 29 Code of Federal Regulations (CFR) 1910.1200.

3.3.4 Quality System Requirements

The contractor shall provide and maintain a Quality Assurance (QA) program that satisfies program objectives and meets the requirements of ANSI/ASQC-Q9001 or an equivalent quality system model. ANSI/ASQC-Q9000 and ANSI/ASQC-Q9004 may be used for guidance. The quality system procedures, planning, and all other documentation and data that comprise the quality system, shall be made available to the Government for review. Existing quality documents, which meet the requirements of the contract, may continue to be used. The Government may perform any necessary inspections, verifications, and evaluations to ascertain conformance to requirements and the adequacy of the implementing procedures. Third-party certification of the contractor's quality program is not required. The contractor shall require subcontractors to maintain a quality system, which achieves control of the quality of the services and supplies provided. The Government reserves the right to disapprove the quality system or portions thereof when the quality system fails to meet the contractual requirements.

3.3.4.1 Government Final Inspection (GFI) (Stand Alone Items Included)

The Government will perform GFI upon completion of the contractor installation of the delivered items onsite. GFI will be conducted onsite by a joint contractor/Government team and will consist of inspections conducted to verify compliance with the specified system requirements.

3.3.4.2 System Demonstration (SD)

The contractor shall, as part of the GFI for Range Training Systems, demonstrate the operation of the range training systems as per delivery order. The SD event shall be designed to verify that the RTS and the integration of all subsystems and equipment meet the technical and operational requirements as identified in the RTS specifications.

3.3.5 Information Assurance (IA) (RCS, HHC and Pneumatic Target System)

a) The Contractor shall prepare a DoD Information Assurance Certification and Accreditation Process (DIACAP) Implementation Plan (DIP) to support full RTS Certification and Accreditation for the RCS, HHC and Pneumatic Target Systems. The Contractor shall provide the technical support necessary to plan, create DIACAP artifacts, coordinate and support the

Security Test and Evaluations (ST&E) and Independent Validation and Verifications (IV&V) required for full system Information Assurance (IA) Certification. The Contractor shall also support PMTRASYS in the areas of systems integration and interoperability, as well as in the development of information assurance documentation and help represent the PM in the DIACAP Process

b) The Contractor shall provide IA related analysis, and test and evaluation support for the IA accreditation of the RTS. The focus of this effort will parallel the RTS system development schedule with the Information System Security Engineering (ISSE) Process and includes the areas of systems integration and interoperability. The Contractor shall provide all management, labor, materials and other services necessary to complete the tasks listed below:

3.3.5.1 DIACAP SIP Review and Update

The contractor shall update the System Identification Profile (SIP) as required to reflect all changes in the system's hardware/software design. Under this task the Contractor shall conduct a detailed review of all previous ISSE and IA related analysis, the system's current development and/or production status and the existing documentation to ensure full compliance with current versions of DoD 8510.01, DoD 8500.01E and DoD 8500.2, applicable DoN & USMC regulations, and RTS Performance Specification. Revisions to this documentation shall be made in support of the DIACAP ISSE Process Initiation, Planning, and Execution to accomplish IA Certification and Accreditation goals. As part of this subtask the Contractor shall develop a Security Requirements Traceability Matrix (SRTM) to be delivered with the SIP.

3.3.5.2 Assign IA Controls and other requirements support

In parallel with the RTS acquisition schedule, the Contractor shall assign necessary IA Controls per the applicable DODI 8500.2 MAC and CL Checklist, and other requirements, and deliver this List of Applicable IA Controls.

3.3.5.3 Analysis of System Development Cycle

The contractor shall conduct an analysis of System Development Life Cycle (SDLC) Status and Configuration, complete development of the ISSE Process, the DIACAP Implementation Plan (DIP), and perform test and evaluation activities necessary to support IA certification and accreditation activities. At a minimum, these activities shall include the development of the Work Breakdown Structure for the ISSE Process and the DIACAP defined Security Test and Evaluation (ST&E) Plan, the establishment of detailed ISSE Process deliverables and ST&E test procedures, the support of these test and evaluation activities, the documentation of the test results and the update of the SIP to reflect these activities.

3.3.5.4 DIACAP Implementation Plan (DIP) Concurrence

The Contractor shall provide a plan to support IA related programmatic, analysis, test and evaluation activities necessary to support full IA certification and accreditation. The results of these activities shall be documented and the required implementation documentation will be prepared for presentation to receive a concurrence.

3.3.5.5 Security

The Contractor shall provide security and staff qualifications (i.e. DOD 8570.01-M) to a level necessary to meet the requirements of this task (i.e. Windows Administrators shall be Microsoft

Certified System Administrators – MCSA, Cisco Network Administrators shall be Cisco Certified Network Associate – CCNA, Information System Security Engineer (ISSE) – CISSP, etc.) and all applicable Federal Law (i.e. Federal Information Security Management Act 2002, DFAR requirements, DOD regulations, DON and USMC guidance and Bulletins. The Contractor’s work shall not be above a classification of “SECRET”.

3.3.5.6 Deliverables

The contractor shall deliver the SIP, IA Controls, SDLC, and DIP documents in both softcopy in the current PM TRASYS version of the Microsoft Office Suite and hardcopy. **[CDRL A002, Security Evaluation Document (SED) DI-MISC-81762]**

3.3.6 Integrated Logistics Support (ILS) Program

The contractor shall provide evidence of an ILS program designed to provide timely planning, implementation, verification, and life cycle support for the RTS as described in this SOW.

3.3.6.1 Material Support/Provisioning

The contractor shall provide technical identification of Initial Support Items. The Contractor shall develop and submit Logistics Management Information (LMI), Spare Parts and Spare Parts List tailored for Government approval. **[CDRL C002, Spare Parts and Spare parts list, DI-ILSS-80134A]**

3.3.6.2 New Equipment Training (NET)

The Contractor shall provide NET training to designated operators and maintainers for RTS systems. The Contractor shall provide familiarization training in a train-the-trainer program format that provides, operator and maintenance manuals in hard-copy, CDs, or video presentation for the RTS. The NET shall be taught with a hands-on practical training approach. The NET shall contain all the necessary instruction for the calibration, operation, and organizational maintenance of the RTS. The NET shall be conducted and delivered at the delivery site designated area for a maximum number of ten participants of at least two days. The NET training shall be included in the IMS. **[CDRL C003-Training Materials, DI-ILSS-80872]**

3.3.6.3 Technical Documentation

The contractor shall prepare the following documentation in accordance with the CDRLs:

- a. Operation and Maintenance manual (O&M)
- b. Planned Maintenance System (PMS) Manuals and Associated Supplemental Data.
- c. Commercial Off-the Shelf (COTS) Manuals and Associated Supplemental Data.

[CDRL C001, DI-TMSS-80527 - Commercial Off-The-Shelf (COTS) Manual and Associated Supplemental Data]

3.3.6.3.1 Drawings

3.3.6.3.1.1 General Requirements and Description

The contractor shall submit 75% and 100% design drawing packages. The 100% drawing package must be approved by the Government to initiate construction of the modular building. The Government shall review submittals and provide redlines comments, within 7 business days.

The drawings shall contain at a minimum:

- Details of the end item proposed or installed: structural, architectural, mechanical, electrical, plumbing, and any appurtenance unique to the modular building to include fire protection. The drawings shall reflect dimensions, schematics, and routing. Representations shall be in the form of drawings, schematics, or schedules as appropriate.
- As built drawings with all information shown on the baseline set of drawings and a record of all deviations, modifications, or changes from those drawings, however minor, which were incorporated in the work, all additional work not appearing on the baseline drawings, and all changes which are made after final inspection and punch list corrections of the contract work.
- The location and description of any utility lines or other installations of any kind or description known to exist within the construction area, if applicable. The location includes dimensions to permanent features.
- All drawings shall be signed & sealed by a registered architect/engineer licensed in the state of which the work is being performed.

3.3.6.3.1.2 Drawing Schedule

The contractor shall submit drawings IAW the following schedule:

Drawing Package	Submittal Date (Calendar Days)
Initial 75% Package	30 Days after contract award
Final 100% Package	14 Days after Government 75% drawing comments are submitted.
As-Built Package	5 Days after project completion

[CDRL A004 – Real Property Facilities As-built-drawings, DI-FACR-80966]

3.3.6.3.1.3 Drawing Format

The contractor shall utilize standard commercial drawing format. Drawings will be developed in AutoCAD format and submitted in AutoCAD, Adobe pdf, and hardcopy (ANSI D). A revision block shall be clearly annotated. Revisions/redrafting shall match the font styles, sizes, and formats; line weights/thickness' and styles/types; and all other drafting elements used on the baseline drawings. These changes must be incorporated into the final as-built drawing file; the use of reference files shall not be permitted. The final revision with incorporation of all changes shall be watermarked in bold letters "AS-BUILT".

3.3.6.3.1.4 Material List

The Contractor shall provide a property accountability database (Microsoft Excel Spreadsheet) listing of all end items per each delivery order. The contractor shall provide a complete accountability within the spreadsheet a list of all delivered items on a spreadsheet with the following column header: Name (nomenclature); Description of item; Part Number; Serial Number; Unit of issue; quantity (ies); warranty status; and installed and/or stored location.

[CDRL C004, DI-IPSC-81437A – Database Design Description]

3.3.6.4 Item Unique Identification (IUID)

The Contractor shall implement specific Item Unique Identification (IUID) marking, as defined in MIL-STD-130N. The two-dimensional IUID marking shall be incorporated with existing data plates, shall be machine-readable with common optical scanning devices and be accompanied by the corresponding human readable markings when practical. All principal end items and spare parts that exceed \$5,000 when purchased separately prior to delivery to the Government shall be marked with the IUID/data plate in a position as prescribed by the Government.

3.3.6.5 Packaging, Handling, Shipping and Transportation (PHS&T)

Preservation and packaging shall be in accordance with best commercial practice of ASTM D3951. The contractor shall provide PHS&T and mark all equipment for shipment. The contractor shall provide, as required, protection of equipment during transportation, storage, and handling. The contractor shall be responsible for delivery and handling of all equipment until installed. The contractor shall provide for Outside Continental United States (OCONUS) and overseas delivery locations. The contractor shall initiate all documentation for shipping and perform pickup and delivery services to/from port.

3.3.6.6 Travel

| The contractor shall travel to specified locations Marine Corps wide to attend specified design reviews and IPT meetings as per delivery order requirements.

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Contract Data Requirements List

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<u>2</u>	<u>A002</u>	<u>Security Evaluation Document (SED)</u>	<u>DI-MISC-81762</u>	<u>3.3.5.6</u>
<u>3</u>	<u>A003</u>	<u>Real Property Facilities As-built-drawings</u>	<u>DI-FACR-80966</u>	<u>3.3.6.3.1.2</u>
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2	A002	Security Evaluation Document (SED)	DI-MISC-81762	3.3.5.6
3	A003	Real Property Facilities As-built-drawings	DI-FACR-80966	3.3.6.4.1.2
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9	C001	Commercial Off-The-Shelf (COTS) Manual and Associated Supplemental Data	DI-TMSS-80527 -	3.3.6.4
10	C002	Spare Parts and Spare Parts List	DI-ILSS-80134A	3.3.6.2
11	C003	Training Materials - NET	DI-ILSS-80872	3.3.6.3
12	C004	Database Design Description-Materials List	DI-IPSC-81437A	3.3.6.4.1.4