



# MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES



## Training Systems PMM-130



Combined Professionals Association Group  
Defense Forum  
January 8, 2021



## Balancing Project Initiatives to Zero Baseline Budgets

### Business Case Analysis

- Contractor Owned/Contractor Operated
- Training as a Service (TaaS)
- Front End Analysis (FEA)

### Changing Requirements

- Affordability
- Live Virtual Constructive Training Environment (LVC-TE)
- Government Owned/Contractor Operated



# Commandant's Planning Guidance (CPG)



## Priority Focus Areas:

- Force Design
- Warfighting
- **Education & Training**
- Core Values
- Command & Leadership



The Commandant of the Marine Corps (CMC) observes in his planning guidance that:

- "...our training facilities and ranges are antiquated, and the force lacks the necessary modern simulators to sustain training readiness."
- "We must change the Training and Education Continuum from an industrial age model, to an information age model."

*(38<sup>th</sup> CMC Planning Guidance)*



# Marine Corps Force Design 2030



Force Design was the #1 priority communicated in the CPG.

- Major changes to force structure proposed. Examples include:
  - Investment in additional rocket artillery batteries
  - Divestment of three infantry battalions
  - Divestment of tanks
  - **Expansion and increased resourcing of training & education**



Initial results yield a potential savings of \$12B to be reallocated towards equipment modernization, training modernization, and force development priorities.



## 21st Century Learning (21CL)



21CL is the Service's method to educate and train a naval expeditionary force in readiness in order to operate inside actively contested maritime spaces in support of fleet operations.



21CL is a continuum of dynamic, cognitive training and education experiences, centered on the learner to continuously hone an intellectual edge, that will enable our Marines to rapidly adapt, and achieve a decisive maneuver advantage in any domain through intelligent initiative.



21CL is organized into five critical learning capability areas:

- Learner-Centric Experience (LXP)
- World-Class Learning Leaders (WLL)
- Total Learning Architecture (TLA)
- Rigorous Assessments and Evaluation (RAE)
- **Marine Corps Training Environment (MCTE) – \*PM TRASYS focus area\***



# Marine Corps Training Environment (MCTE)



Source: 21CL



## New Requirements in 2021

- Live Virtual Constructive Training Environment (LVC-TE) Capabilities Development Document (CDD)
- Ground Vehicle Simulators CDD
- Infantry Training & Readiness (T&R) Manuals re-written
- Annexes to Range Training Systems CDD
  - Live Fire Evaluation Tool (LFET)
  - Realistic Threat Representation (RTR)
  - Automated Scoring
- Alignment with the Army's Common Driver Trainer
- Alignment with the Army's Gunnery Training System
- Electronic Warfare Capable Training Areas – DUNS submitted to CD&I 25 October 2019. Requirements Memorandum being developed by resource sponsor.
- Known Distance Automated Scoring (KDAS) – End User Evaluation final report submitted to PM TRASYS Dec 2020. Brief to CG TECOM in 2d Quarter FY21.
- Underwater Egress Trainer (UET) – high risk training.



## Rapid Procurement

- Leverage Other Transaction Authorities
  - Allow for innovation
  - Agile Software development cycles for new technologies
- Go slow to go fast in the execution of a long term services contract



# Requests for Proposals (RFPs)

Program	Industry Day	Draft RFP	Final RFP	Acquisition Strategy
Equipment Related Services (ERS) – Systems	No Industry Day	24 Sep 20 Closed	Q1 FY21 Closed	Small Business Competition
Equipment Related Services (ERS) – Ranges (EAST CLNC/Quantico)	February 2021	Q4 FY21	Q1 FY22	Full and Open
Equipment Related Services (ERS) – Ranges (WEST Camp Pen/29 Palms)	August 2023	Q2 FY23	Q3 FY23	Full and Open
Equipment Related Services (ERS) – Ranges (OCONUS Japan/Hawaii/Guam)	December 2024	Q3 FY24	Q4 FY24	Full and Open
Electronics and Communication Services (ECS)	No Industry Day	Q2 FY21 Released	Q2 FY21	Small Business Competition



# Equipment Related Services (ERS) - Systems

## Description/Summary of Program Requirements

PM TRASYS intends to award a Multiple Award Task Order Contract (MATOC) that is primarily aligned with the ERS Service Portfolio Group within DoD's Taxonomy of Services. The ERS - Systems MATOC will include maintenance, logistics, and training requirements. The simulators and simulations supported under this contract are relatively complex items of training equipment, using electronic/mechanical means to reproduce conditions necessary for an individual, or a crew, to rehearse operational tasks. The simulators and simulations replicate the functions and environment of actual equipment or systems. Programs or systems that may be supported under this contract include, the Virtual Trainer Systems Sustainment (VTSS) on Separate Task Orders for each system (ISMT, CVTS, DRET, ODS/MCDT, IMTS, VCCT/RVS, CCS, etc.) as well as Underwater Egress Trainer (UET), and the Supporting Arms Virtual Trainer (SAVT).

### ACQUISITION STRATEGY

- Small Business Competition
- Multiple Award Contracts for the same or similar services
- Class Deviation 2018-O0006
- Commercial Services Acquisition

### PERIOD OF PERFORMANCE

- Ordering Period up to 10 years

### MILESTONES

Q1 FY21



RFP  
Release

Q2 FY21



Contract  
Award

### POINT OF CONTACT

PMTRASYS  
Phone: 407-381-8762  
Email: [pmtrasys@usmc.mil](mailto:pmtrasys@usmc.mil)

### FUNDING

- Shared ceiling

### CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Pro-Active Technologies, Inc. (VTSS)
- F3EA Joint Venture, LLC (UET)
- Riptide Software, Inc. (SAVT)



# Electronics and Communication Services (ECS)

## Description/Summary of Program Requirements

PM TRASYS intends to award a Multiple Award Task Order Contract (MATOC) that is primarily aligned with the ECS Service Portfolio Group within DoD's Taxonomy of Services. The ECS MATOC will include sustainment support for Post Deployment Software Support, On-going Software Development and Cybersecurity. The ECS MATOC will be used to issue TOs to provide sustainment support for all existing and future USMC training systems including, but not limited to, MAGTF Tactical Warfare Simulation (MTWS); Deployable Virtual Training Environment (DVTE); Indoor Simulated Marksmanship Trainer (ISMT), Combined Arms Command and Control Training Upgrade system (CACCTUS), Supporting Arms Virtual Trainer (SAVT), Combat Convoy Simulator (CCS), and Combat Vehicle Training Systems (CVTS).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Small Business Competition</li> <li>• Multiple Award Contracts for the same or similar services</li> <li>• Class Deviation 2018-O0006</li> <li>• Commercial Services Acquisition</li> </ul>	<ul style="list-style-type: none"> <li>• Ordering Period up to 10 years</li> </ul>	<p>Q2 FY21</p>  <p>RFP Release</p>	<p>Q2 FY21</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>PMTRASYS</p> <p>Phone: 407-381-8762</p> <p>Email: <a href="mailto:pmtrasys@usmc.mil">pmtrasys@usmc.mil</a></p>	<ul style="list-style-type: none"> <li>• Shared ceiling</li> </ul>	<ul style="list-style-type: none"> <li>• Bohemia Interactive Simulations, Inc. (ISMT)(DVTE)</li> <li>• Riptide Software, Inc. (CACCTUS)</li> <li>• Cole Engineering Services, Inc. (MTWS)</li> </ul>	



# Equipment Related Services (ERS) – Ranges (EAST)

## Description/Summary of Program Requirements

PM TRASYS intends to award multiple Single Award Indefinite Delivery Indefinite Quantity (SAIDIQ) contracts that are primarily aligned with the ERS Service Portfolio Group within DoD’s Taxonomy of Services. The ERS - Ranges Single Award Indefinite Delivery Indefinite Quantity (SAIDIQ) contracts will be used to issue Task Orders (TOs) to provide sustainment support for all existing and any future USMC training systems that are utilized on ranges and subjected to live fire including, but not limited to: the Ground Training System Support (GTSS) efforts in support of GTSS-East, GTSS-West and GTSS OCONUS; Atmospheric; TECOM range maintenance contracts; or other range related maintenance requirements.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES						
<ul style="list-style-type: none"> <li>• Intent to conduct Small Business Competition</li> <li>• Best Value – Tradeoff</li> </ul>	<ul style="list-style-type: none"> <li>• Ordering Period up to 10 years</li> </ul>	<table border="0"> <tr> <td data-bbox="1265 746 1449 849">Quantico</td> <td data-bbox="1458 746 1603 849">Q4 FY21 △</td> <td data-bbox="1613 746 1839 849">Q1 FY22 △</td> </tr> <tr> <td data-bbox="1265 856 1449 1003">CLNC</td> <td data-bbox="1458 856 1603 1003">Q4 FY21 △ RFP Release</td> <td data-bbox="1613 856 1839 1003">Q1 FY22 △ Contract Award</td> </tr> </table>	Quantico	Q4 FY21 △	Q1 FY22 △	CLNC	Q4 FY21 △ RFP Release	Q1 FY22 △ Contract Award
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POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)						
<p>PMTRASYS Phone: 407-381-8762 Email: <a href="mailto:pmtrasys@usmc.mil">pmtrasys@usmc.mil</a></p>	<ul style="list-style-type: none"> <li>• Shared ceiling TBD</li> </ul>	<ul style="list-style-type: none"> <li>• Katmai Integrated Solutions, LLC (GTSS)</li> <li>• Engineering Support Personnel, Inc.</li> <li>• Global Technical Services, LLC</li> </ul>						



# Equipment Related Services (ERS) – Ranges (WEST)

## Description/Summary of Program Requirements

PM TRASYS intends to award multiple Single Award Indefinite Delivery Indefinite Quantity (SAIDIQ) contracts that are primarily aligned with the ERS Service Portfolio Group within DoD’s Taxonomy of Services. The ERS - Ranges Single Award Indefinite Delivery Indefinite Quantity (SAIDIQ) contracts will be used to issue Task Orders (TOs) to provide sustainment support for all existing and any future USMC training systems that are utilized on ranges and subjected to live fire including, but not limited to: the Ground Training System Support (GTSS) efforts in support of GTSS-East, GTSS-West and GTSS OCONUS; Atmospheric; TECOM range maintenance contracts; or other range related maintenance requirements.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES									
<ul style="list-style-type: none"> <li>• Intent to conduct Small Business Competition</li> <li>• Best Value – Tradeoff</li> </ul>	<ul style="list-style-type: none"> <li>• Ordering Period up to 10 years</li> </ul>	<table border="1"> <tr> <td data-bbox="1278 782 1503 853">Camp Pendleton</td> <td data-bbox="1512 782 1667 853">Q2 FY23 △</td> <td data-bbox="1676 782 1850 853">Q3 FY23 △</td> </tr> <tr> <td data-bbox="1278 875 1503 946">29 Palms</td> <td data-bbox="1512 875 1667 946">Q2 FY23 △</td> <td data-bbox="1676 875 1850 946">Q3 FY23 △</td> </tr> <tr> <td></td> <td data-bbox="1512 953 1667 1011">RFP Release</td> <td data-bbox="1676 953 1850 1011">Contract Award</td> </tr> </table>	Camp Pendleton	Q2 FY23 △	Q3 FY23 △	29 Palms	Q2 FY23 △	Q3 FY23 △		RFP Release	Contract Award
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# Equipment Related Services (ERS) – Ranges (OCONUS)

## Description/Summary of Program Requirements

PM TRASYS intends to award multiple Single Award Indefinite Delivery Indefinite Quantity (SAIDIQ) contracts that are primarily aligned with the ERS Service Portfolio Group within DoD’s Taxonomy of Services. The ERS - Ranges Single Award Indefinite Delivery Indefinite Quantity (SAIDIQ) contracts will be used to issue Task Orders (TOs) to provide sustainment support for all existing and any future USMC training systems that are utilized on ranges and subjected to live fire including, but not limited to: the Ground Training System Support (GTSS) efforts in support of GTSS-East, GTSS-West and GTSS OCONUS; Atmospheric; TECOM range maintenance contracts; or other range related maintenance requirements.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES						
<ul style="list-style-type: none"> <li>• Intent to conduct Small Business Competition</li> <li>• Best Value – Tradeoff</li> </ul>	<ul style="list-style-type: none"> <li>• Ordering Period up to 10 years</li> </ul>	<table border="0"> <tr> <td></td> <td style="text-align: center;">Q3 FY24</td> <td style="text-align: center;">Q4 FY24</td> </tr> <tr> <td style="vertical-align: middle;">Hawaii, Guam, Okinawa</td> <td style="text-align: center;"> RFP Release</td> <td style="text-align: center;"> Contract Award</td> </tr> </table>		Q3 FY24	Q4 FY24	Hawaii, Guam, Okinawa	 RFP Release	 Contract Award
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<p>PMTRASYS Phone: 407-381-8762 Email: <a href="mailto:pmtrasys@usmc.mil">pmtrasys@usmc.mil</a></p>	<ul style="list-style-type: none"> <li>• Shared ceiling TBD</li> </ul>	<ul style="list-style-type: none"> <li>• Katmai Integrated Solutions, LLC (GTSS)</li> <li>• Engineering Support Personnel, Inc.</li> <li>• Global Technical Services, LLC</li> </ul>						



# Live Virtual Constructive –Training Environment (LVC-TE) Requirement

LVC-TE systems must seamlessly support Mission Essential Tasks (MET) and Training and Readiness (T&R) events within and across live, virtual and constructive domains (ICD).

- Ability to produce an operational environment (OE) that achieves desired unit training objectives
- Common set of threat, friendly, and non-combatant representations
- Collaborative environments and stimulation of ... LVC systems; C4ISR systems; operational platforms and a synthetic environment
- Common tools that allow users to rapidly develop and modify content, and facilitate timely exercise design and exercise control
- Robust, thorough, and effective assessment of "event" objectives
- Balanced support to MAGTF training to include Aviation and Logistics

Sources: *LVC-TE Capabilities Based Assessment (CBA)*, 23 Jul 2008  
*LVC-TE Initial Capabilities Document (ICD)*, MROC DM 48-2010, 30 Jul 2010  
*LVC-TE Concept of Operations (CONOPS)*, 12 Aug 2015



# Live Virtual Constructive - Training Environment

## Description/Summary of Program Requirements

LVC-TE consists of enterprise services and data, interoperability solution, and constituent training systems. Constituent training systems will retain their independent ownership, objectives, funding, and development. The enterprise services and data managed by the LVC-TE program will include an Exercise Design Tool (EDT), and Exercise Control Tool (ECT), After-Action Review (AAR) support tools, and a Cross Domain Solution (CDS). LVC-TE Increment I threshold requirements connects ADVTE/Ten, CACCTUS, DVTE/VBS 3 and SAVT at Marine Corps Air Ground Combat Center, Twenty-nine Palms, CA and additional, yet to be defined sites. Using the Software Acquisition Pathway (SAP), this project is in the planning phase. Budgeted RDT&E starts in FY 22.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES				
<ul style="list-style-type: none"> <li>• Software Acquisition Pathway</li> <li>• Using Army Contact - Live Training Transformation Consolidated Product Line Management Plus (LT2 CPM Plus) for Planning and Development efforts.</li> </ul>	<ul style="list-style-type: none"> <li>• Planning effort                             <ul style="list-style-type: none"> <li>• 1 year beginning Mar 21</li> </ul> </li> <li>• Development/Execution Effort                             <ul style="list-style-type: none"> <li>• Two 2-Year cycles</li> </ul> </li> </ul>	<table border="0"> <tr> <td style="text-align: center;">Q2 FY22</td> <td style="text-align: center;">Q1 FY23</td> </tr> <tr> <td style="text-align: center;">  Start Execution Phase                 </td> <td style="text-align: center;">  MVP Fielding – 29 Palms, CA                 </td> </tr> </table>	Q2 FY22	Q1 FY23	 Start Execution Phase	 MVP Fielding – 29 Palms, CA
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<p>PMTRASYS Phone: 407-381-8762 Email: <a href="mailto:pmtrasys@usmc.mil">pmtrasys@usmc.mil</a></p>	<ul style="list-style-type: none"> <li>• Program Office Estimate -                             <ul style="list-style-type: none"> <li>• Planned completion Sep</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Proof of Concept/Prototyping Effort –                             <ul style="list-style-type: none"> <li>• General Dynamics</li> </ul> </li> </ul>				



## Questions?

Monitor

<https://beta.sam.gov>  
for announcements

Go to

<https://go.usa.gov/x5y4j>  
for information

Contact PM TRASYS

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