

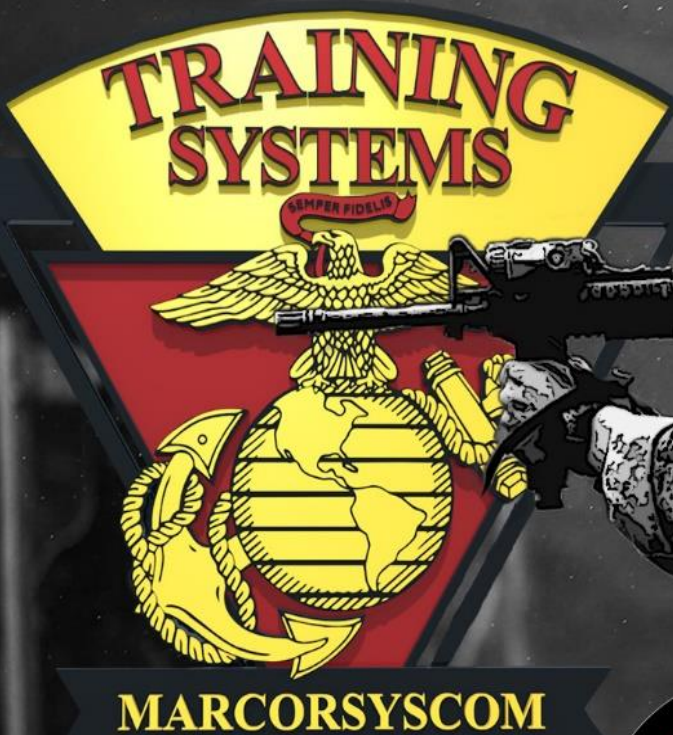


MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES



Training Systems
PMM-130



2020 VI/ITSEC Overview





MARINE CORPS SYSTEMS COMMAND
Equipping our MARINES



Training Systems
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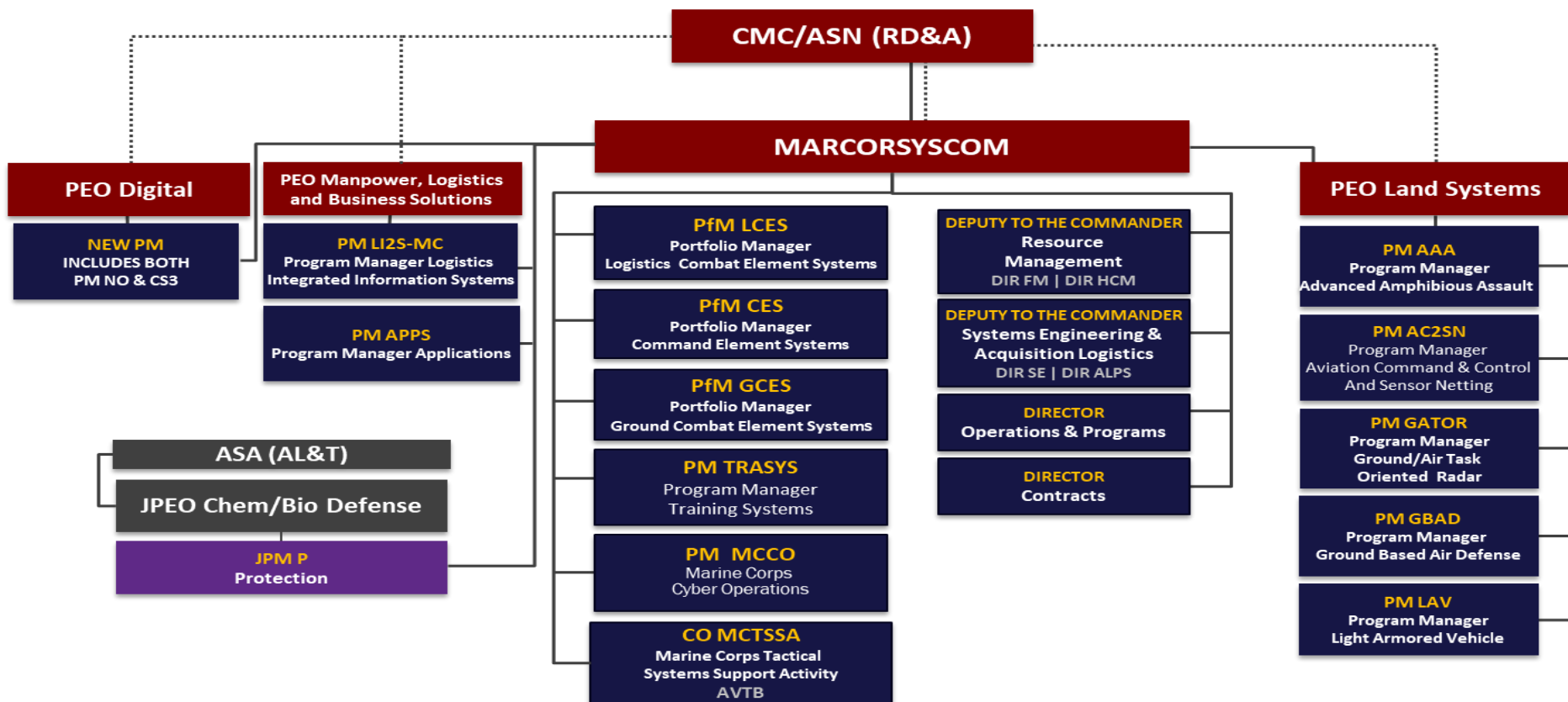


Marine Corps Systems Command Mission

To serve as the Department of the Navy's systems command for Marine Corps ground weapon and information technology system programs in order to equip and sustain Marine forces with full-spectrum, current and future expeditionary and crisis response capabilities.



MCSC Organization Chart



————— Command
..... Statutory/Regulatory



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES



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TRAINING SYSTEMS

SEMPER PARATUS

MARCORSYSCOM

PM TRASYS Overview





Mission Statement

Improving the **Warfighting effectiveness** of the MAGTF and globally deployed expeditionary forces by designing, developing, producing, fielding and sustaining training systems and devices and providing training support.

Vision Statement

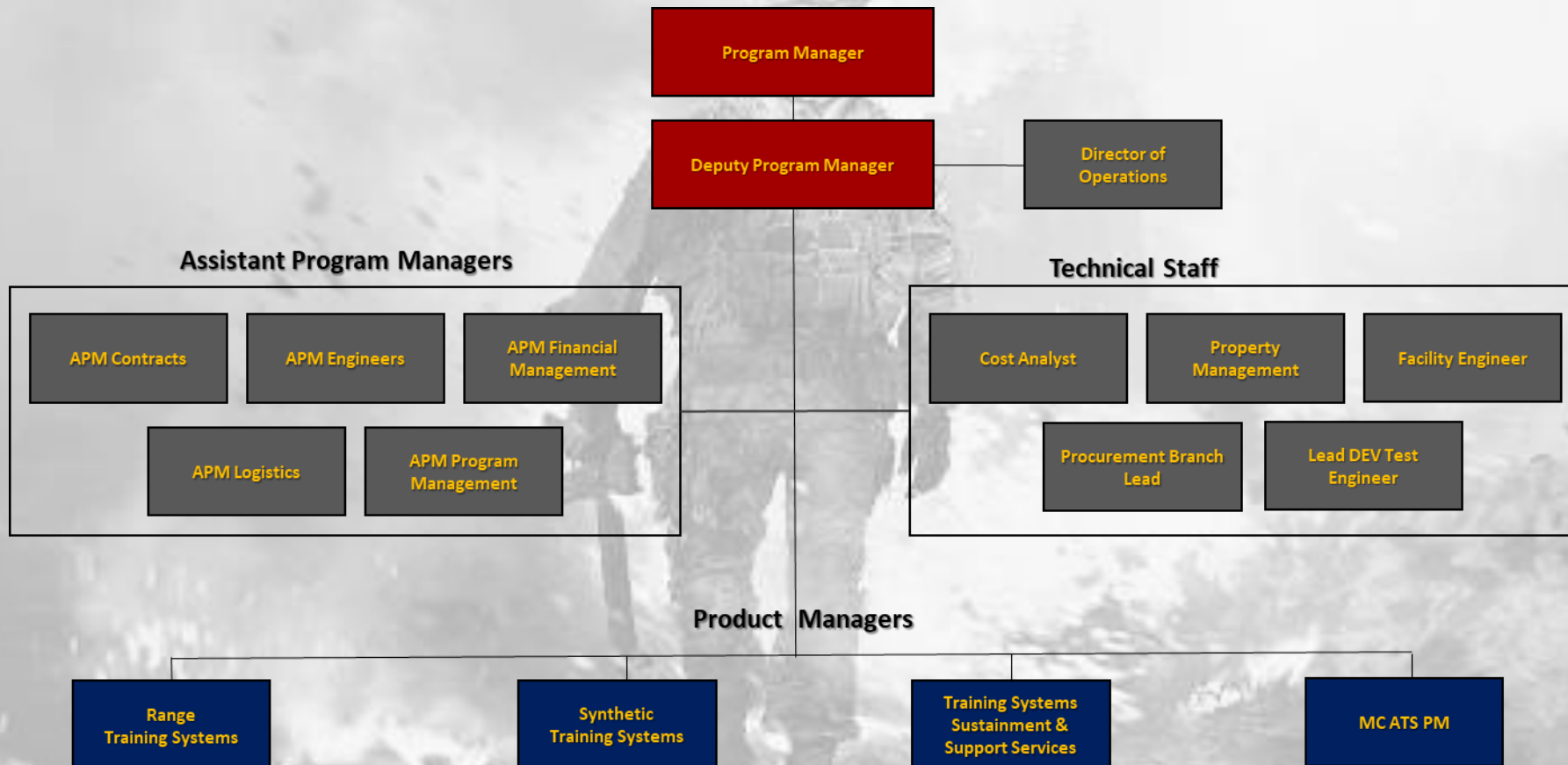
To provide **effective and affordable** systems in support of the **training enterprise** at the correct place and time to support readiness of Marines to accomplish any assigned mission.

Materiel Solution Provider

Marine Corps Systems Command **acquisition agent** for training systems life cycle management and training support services.



PM TRASYS Organization Chart





PM TRASYS Products and Services

Range Training Systems LtCol Mohler



- Force on Force (FoF)
 - Instrumented - Tactical Engagement Simulation System (I-TESS II)
 - Special effects Small arms Marking System (SESAMS)
- Infantry Immersion Trainer (IIT)
 - CLNC Outdoor Infantry Immersion Trainer
 - Combat Training Environment (CTE) / Military Operations Urban Terrain (MOUT)
- Tactical Video Capture System (TVCS)
- Family of Egress Trainers (FET)
 - Underwater Egress Trainer (UET)
 - Joint Light Tactical Vehicle Egress Trainer (JET)
 - High Mobility Multi-Purpose Wheeled Vehicle (JMMWV) Egress Assistance Trainer (HEAT)
 - Mine-Resistant Ambush-Protected (MRAP) Egress Trainer (MET)
- Life fire Training Systems (LFTS)
- Range Training Aids Portfolio (RTAP)
 - Targets
 - T-CREW
 - Atmospherics
 - BES
 - TMIT
- Ground Range Sustainment Program (GRSP)

Synthetic Training Systems Ms. Koren Odermann



- Live Virtual Constructive – Training Environment (LVC-TE)
 - MAGTF Tactical Warfare Simulation (MTWS)
 - Combined Arms Command and Control Trainer Upgrade System (CACCTUS)
 - Deployable Virtual Training Environment (DVTE)
 - Supporting Arms Virtual Trainer (SAVT)
 - Leader Focused Decision Games (LFDG)
 - Virtual Reality Simulator – Hologram Battle Lab (VRS-HLB)
 - Streamlined After Action Review Tool: Visualization (SMART-Viz)
 - Family of Ground Training Systems
- Combat Vehicle Training Systems (CVTS)
 - Combat Convoy Simulator Modification Program (CSS Mod)
 - Marine Common Driver Trainer (MCDT)
 - Family of Maintenance Trainers
 - MCCES Electronics Course
- Marksmanship Training Systems
 - Indoor Simulated Marksmanship Trainer (ISMT)
 - Future Marksmanship Trainer (FMT)

Training Systems & Sustainment and Support Services LtCol Peterson



- Knowledge Based Services (KBS)
 - MAGTF Training System Support (MTSS)
- Equipment Related Services – Ranges (ERS-R)
 - Ground Training Support (GTSS)
 - ERS – R East
 - ERS – R West
 - ERS – R OCONUS
- Role Players/Infantry Immersion Trainer (IIT)
- Equipment Related Services (ERS)
 - Dry Rollover Egress Trainers (DRET)
 - Marine Common Driver Trainer (MCDT)
 - Indoor Simulated Marksmanship Trainer (ISMT)
 - Virtual Combat Convoy Trainer/Reconfigurable Vehicle Simulator (VCCT/RVS)
 - Combat Vehicle Training System (CVTS)
- Electronics Communication Services (ECS)
 - Deployable Virtual Training Environment (DVTE)
 - Indoor Simulated Marksmanship Trainer (ISMT)
 - Combined Arms Command and Control Trainer Upgrade System (CACCTUS)
 - MAGTF Tactical Warfare Simulation (MTWS)
 - Combat Convoy Simulator (CCS)



MARINE CORPS SYSTEMS COMMAND

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Requests for Proposals (RFPs)

Program	Industry Day	Draft RFP	Final RFP	Acquisition Strategy
Equipment Related Services (ERS) – Systems	No Industry Day	Q4 FY20	Q1 FY21	Competitive Small Business Set Aside
Knowledge Based Services (MTSS/MSTP)	Not Applicable	Q4 FY20	Q1 FY21	Fair Opportunity Under MTSS MATOC
Knowledge Based Services (MTSS/BSC)	Not Applicable	Q4 FY21	Q1 FY22	Fair Opportunity Under MTSS MATOC
Electronics and Communication Services (ECS)	No Industry Day	Q1 FY21	Q1 FY21	Competitive Small Business Set Aside
Equipment Related Services (ERS) – Ranges (EAST CLNC/Quantico)	February 2021	Q2 FY21	Q4 FY21	TBD
Equipment Related Services (ERS) – Ranges (WEST Camp Pen/MAGTF-TC)	August 2022	Q3 FY22	Q2 FY23	TBD
Equipment Related Services (ERS) – Ranges (OCONUS Japan/Hawaii/Guam)	December 2023	Q1 FY24	Q3 FY24	TBD



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 Item Acquisition

PERIOD OF PERFORMANCE

- Ordering Period up to 10 years

MILESTONES

Q1 FY21



RFP
Release

Q2 FY21



Contract
Award

POINT OF CONTACT

PM TRASYS
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Email: pmtrasys@usmc.mil

FUNDING

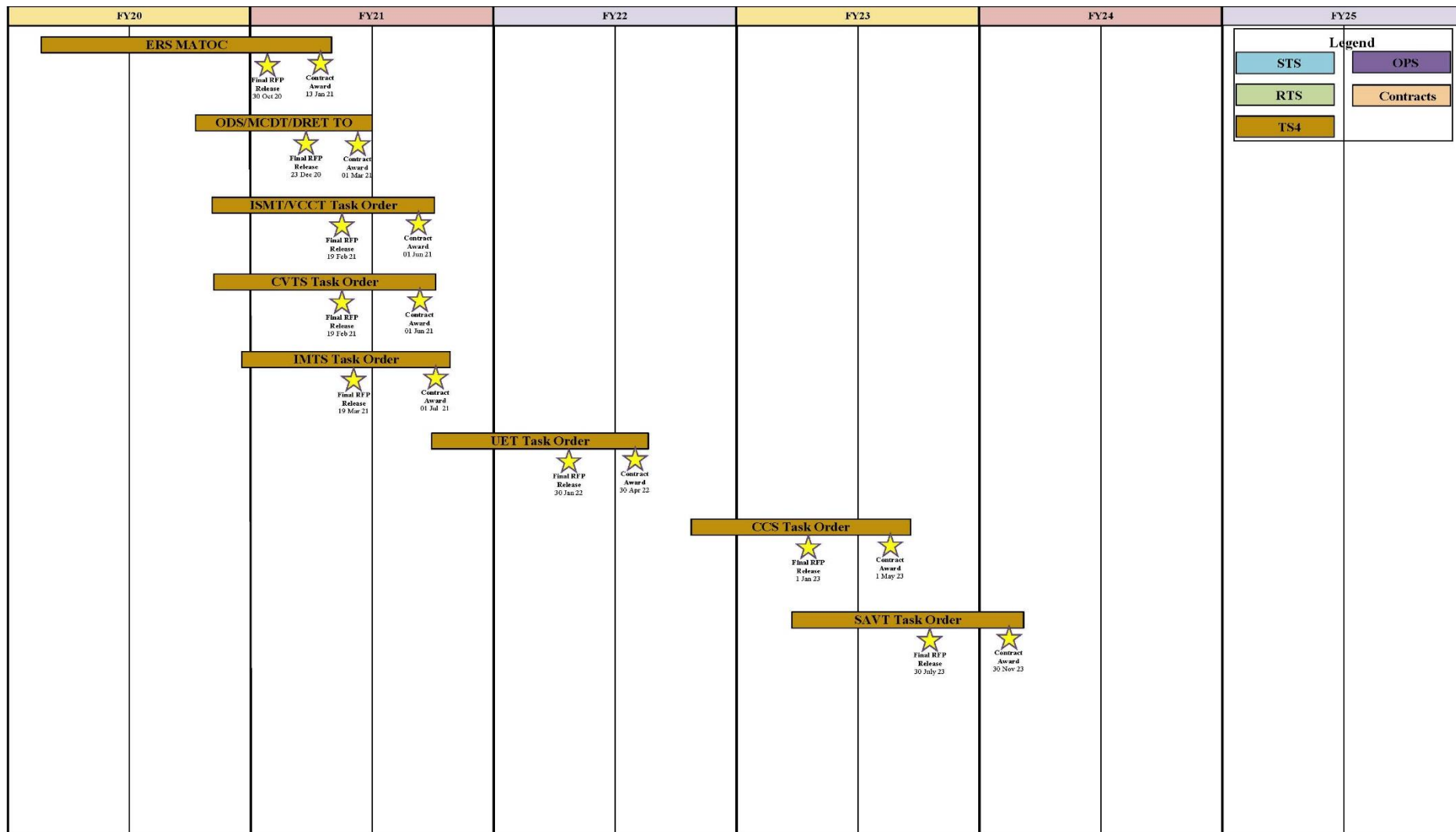
- Shared ceiling TBD

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Pro-Active Technologies, Inc.
- F3EA Joint Venture, LLC
- Riptide Software, Inc.



Equipment Related Services (ERS) - Systems





Knowledge Based Services (KBS) MATOC

Description/Summary of Program Requirements

The Knowledge Based Services (KBS) Multiple Award Task Order Contract (MATOC) was awarded as the MAGTF Training Systems Support (MTSS) Contract in 2019. The KBS MATOC is structured for maximum flexibility by providing for an expedited ordering process to satisfy, primarily, the training and education requirements of Training and Education Command organizations. The KBS MATOC initially provided for onsite support for three recurring TOs broken out as follows:

- MAGTF Staff Training Program (MSTP), Quantico, VA
- Battle Simulation Centers (BSCs)
- Marine Corps Logistics Operations Group (MCLOG), Twentynine Palms, CA / Various
- Trackless Moving Infantry Targets (TMIT)

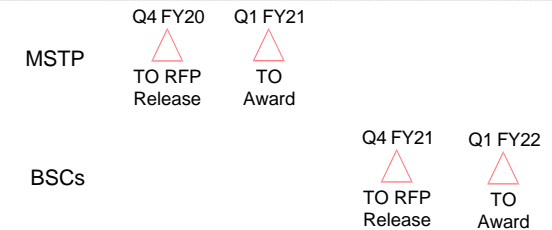
ACQUISITION STRATEGY

- Fair Opportunity

PERIOD OF PERFORMANCE

- Ordering Period up to 10 years
 ☐ 20 Mar 2019 to 19 Mar 2029

MILESTONES



POINT OF CONTACT

PM TRASYS
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FUNDING

- Shared ceiling TBD

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)



- American Systems Corporation
- Calibre Systems, Inc.
- Corps Solutions LLC
- Obsidian Solutions Group LLC
- Science Applications International Corporation
- Solutions Through Innovative Technologies, Inc.
- Valiant Global Defense Services Inc.



Electronics and Communication Services (ECS)

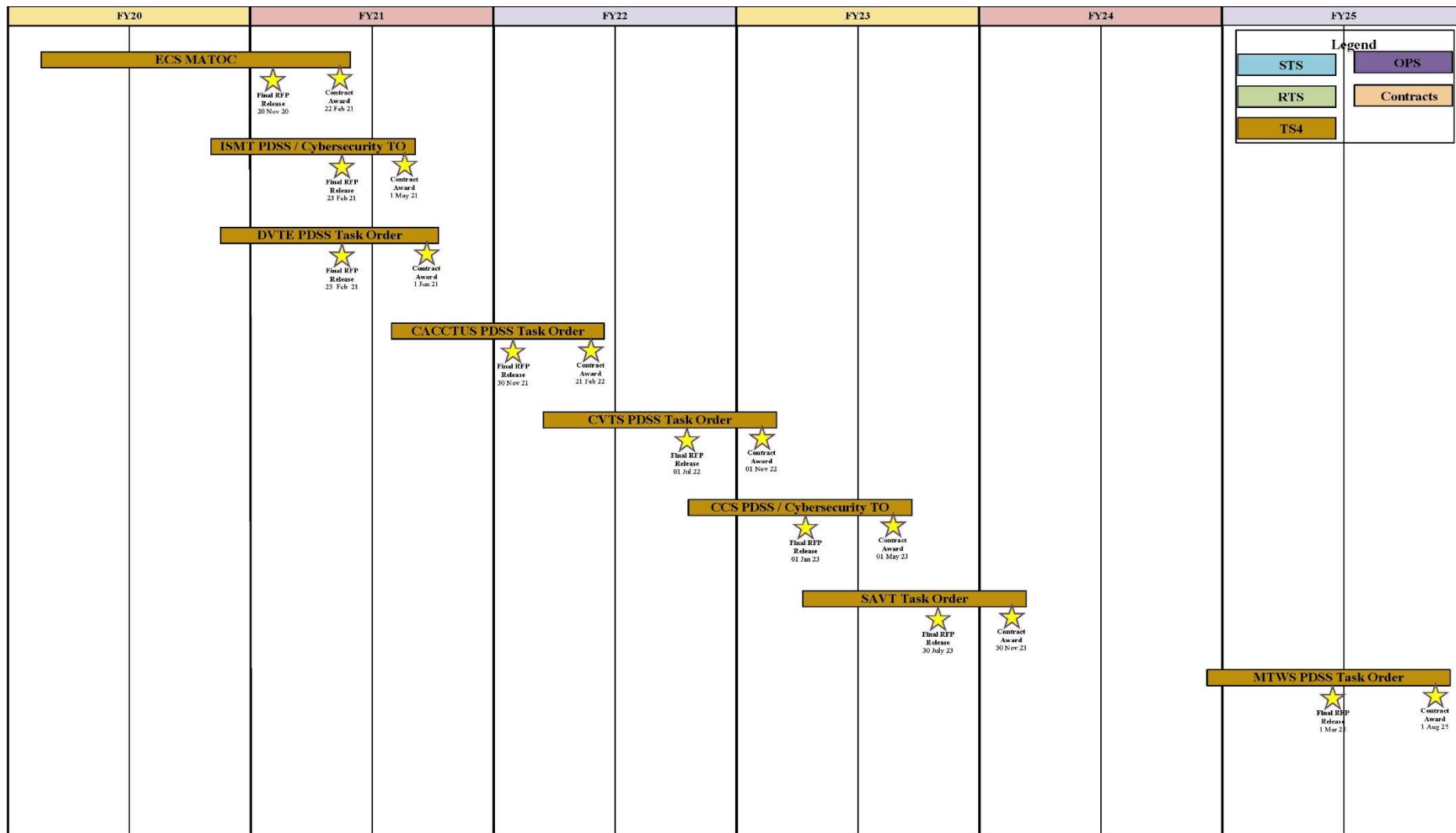
Description/Summary of Program Requirements

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">• Small Business Competition• Multiple Award Contracts for the same or similar services• Class Deviation 2018-O0006• Commercial Item Acquisition	<ul style="list-style-type: none">• Ordering Period up to 10 years	Q1 FY21  RFP Release	Q2 FY21  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• Shared ceiling TBD	<ul style="list-style-type: none">• Bohemia Interactive Simulations, Inc.• Riptide Software, Inc.• Cole Engineering Services, Inc.	



Electronics and Communication Services (ECS)





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; Battle Effects; Targets; TECOM range maintenance contracts; or other range related maintenance requirements

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES															
<ul style="list-style-type: none">TBD	<ul style="list-style-type: none">Ordering Period up to 10 years	<table><tr><td></td><td>Q4 FY21</td><td>Q1 FY22</td></tr><tr><td>Quantico</td><td>△</td><td>△</td></tr><tr><td>CLNC</td><td>Q4 FY21</td><td>Q1 FY22</td></tr><tr><td></td><td>△</td><td>△</td></tr><tr><td></td><td>RFP Release</td><td>Contract Award</td></tr></table>		Q4 FY21	Q1 FY22	Quantico	△	△	CLNC	Q4 FY21	Q1 FY22		△	△		RFP Release	Contract Award
	Q4 FY21	Q1 FY22															
Quantico	△	△															
CLNC	Q4 FY21	Q1 FY22															
	△	△															
	RFP Release	Contract Award															
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)															
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">Shared ceiling TBD	<ul style="list-style-type: none">Katmai Integrated Solutions, LLCEngineering Support Personnel, Inc.Global Technical Services, LLC															



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; Atmospherics; Battle Effects; Targets; TECOM range maintenance contracts; or other range related maintenance requirements.

ACQUISITION STRATEGY

- TBD

PERIOD OF PERFORMANCE

- Ordering Period up to 10 years

MILESTONES

Camp Pen	Q2 FY23	Q3 FY23
	△	△
29 Palms	Q2 FY23	Q3 FY23
	△	△
	RFP Release	Contract Award

POINT OF CONTACT

PM TRASYS
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FUNDING

- Shared ceiling TBD

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Katmai Integrated Solutions, LLC
- Engineering Support Personnel, Inc.
- Global Technical Services, LLC



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; Battle Effects; Targets; TECOM range maintenance contracts; or other range related maintenance requirements

ACQUISITION STRATEGY

- TBD

PERIOD OF PERFORMANCE

- Ordering Period up to 10 years

MILESTONES

	Q3 FY24	Q4 FY24
HI, Guam, Japan		
	RFP Release	Contract Award

POINT OF CONTACT

PM TRASYS
Phone: 407-381-8762
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FUNDING

- Shared ceiling TBD

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Katmai Integrated Solutions, LLC
- Engineering Support Personnel, Inc.
- Global Technical Services, LLC



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES



Training Systems
PMM-130





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

LVC 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

LVC-TE Increment I Capabilities Development Document (CDD), MROC DM 06-2020, 7 Aug 2020



LVC –TE Capability Summary

- Provides training capability for all elements of MAGTF
- System of systems (SoS) for design, planning, preparation, exercise, and assessment capability to support operational readiness.
- Combines any of the three training domains while replicating the contemporary operational environment such that participants appear to be in the same physical environment.
- Enables interoperability between diverse training systems to meet individual, unit, collective, and staff warfighting requirements at home station and afloat.
- Uses DoD and industry standards for data and system interoperability.
- Stimulates operational equipment as required to provide collaborative training environment capability.
- Includes ADVTE, CACCTUS, CCS, DVTE and SAVT

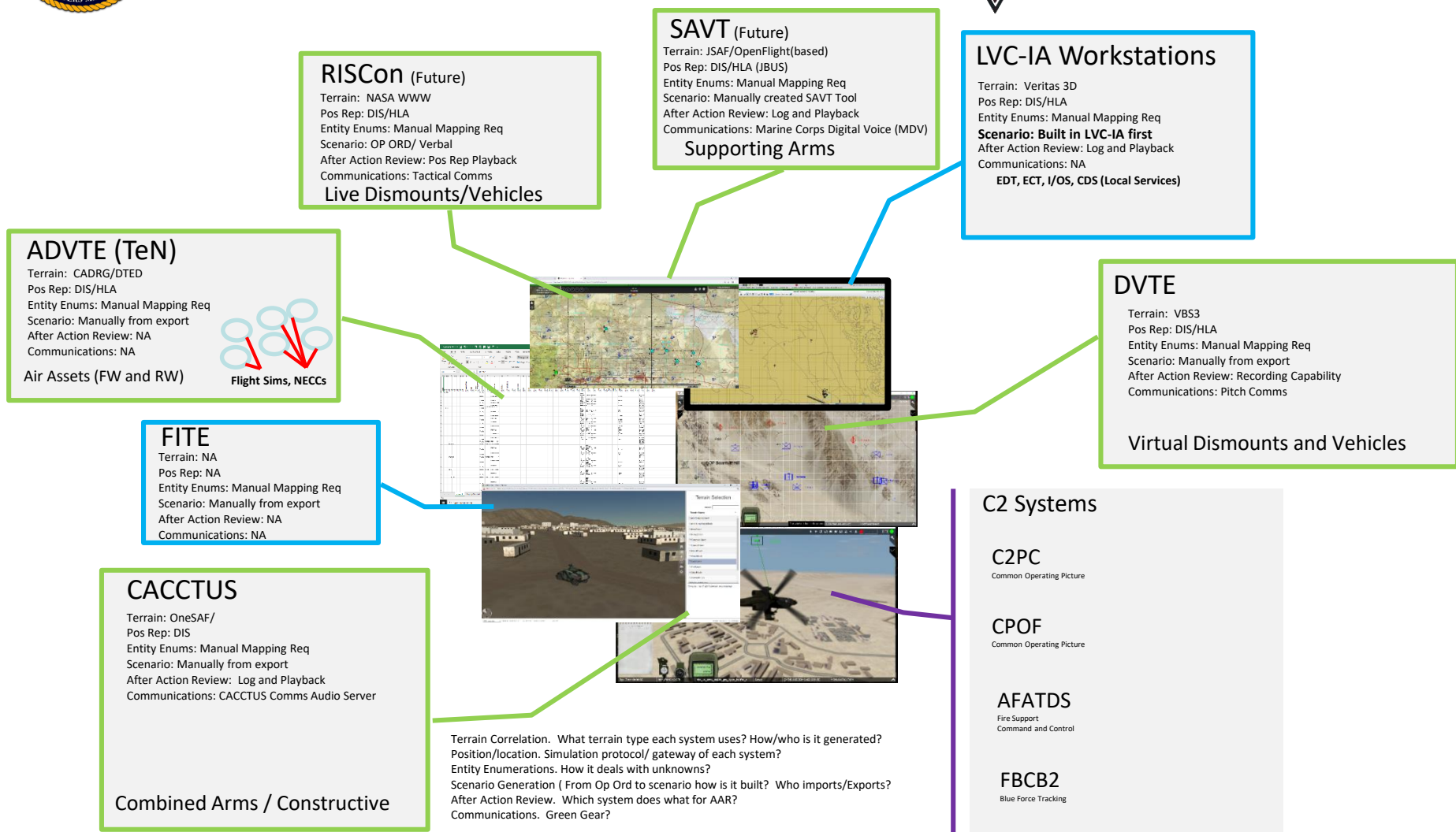


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Training Systems PMM-130



Increment 1 federates existing USMC individual, collective, and staff training simulations to establish a service level, interoperable, training environment designed to train the MAGTF across the range of military operations



Live Virtual Constructive –Training Environment

Description/Summary of Program Requirements

The LVC-TE consists of enterprise services and data, interoperability solutions, and constituent training systems. Constituent systems will retain their independent ownership, objectives, funding, and development. The enterprise services and data managed by the LVC-TE program directly will include an Exercise Design Tool (EDT), an Exercise Control Tool (ECT), After-Action Review (AAR) support tools, and a Cross Domain Solution (CDS). LVCTE Increment I connects ADVTE/Ten, CACCTUS, DVTE/VBS 3 & SAVT. Current phase is prototyping in preparation for MS B.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• Pre-Development – CPM Plus• Development /Integration - Market Research 2nd Qtr FY21• Competitive for COTS Hardware	<ul style="list-style-type: none">• Pre-Development – 1 year• Development/Integration 2-5Years	Development Integration Award  FY22 – 2/3Q	COTS Hardware  FY22 - 3/4Q
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• Program Office Estimate• Planned completion Nov	<ul style="list-style-type: none">• Proof of Concept/Prototyping Effort – General Dynamics	





Advanced Small Arms Lethality Trainer (ASALT)

Description/Summary of Program Requirements

Provides the capability that directly supports infantry Marines weapons proficiency training to include: basic/advanced marksmanship, team/squad drills, and advanced techniques within a simulated environment. Facilitates multiple data collection points to provide detailed feedback that measures overall human performance. Allows Marines to increase their cognitive/decision making and mechanical abilities through high quantity of repetitions to enhance their live-fire performance, combat readiness, and overall lethality of the force.

The Acquisition strategy is in development and will be largely based on a Business Case Analysis that is looking at knowledge based training services and traditional procurement of the training capability for approximately six locations over a three year period.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• Training as a Service	<ul style="list-style-type: none">• August 2021 – Aug 2022	Q3 FY20  RFP	Q4 FY20  BCA Conducted
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• TBD	<ul style="list-style-type: none">• N/A	



Indoor Simulated Marksmanship Trainer (ISMT)

Description/Summary of Program Requirements

The ISMT is an interactive audio/video simulator that provides training in marksmanship, weapons employment, indirect fire, and tactical decision-making. ISMT uses simulated organic Infantry Battalion T/E weapons to train skills for qualification tables of fire, supported infantry maneuvers and judgmental scenarios.

The proposed contract action is to procure updated weapon systems in order to stay in alignment with currently fielded live weapon systems.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• TBD	• TBD	<div>Jan 2021</div> <div>△</div> <div>RFP</div> <div>March 2021</div> <div>△</div> <div>Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	•~\$3.5M	• InVeris Training Solutions



Questions?

Monitor

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

Go to

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

Contact PM TRASYS

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