



TSIS 2020 PM TRASYS Brief Collective Training Systems Koren Odermann

18 Jun 2020



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



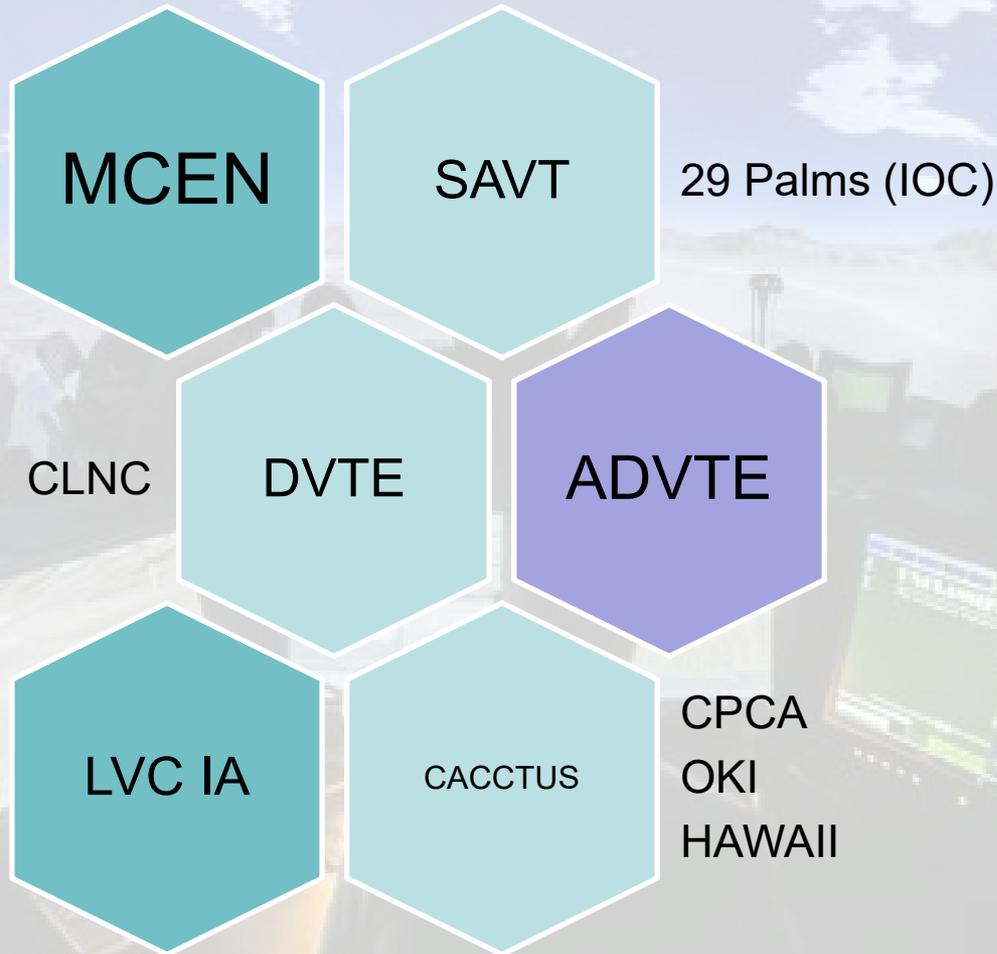
LVC-TE Capability Summary

- 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, FoFTS, MTWS and SAVT

Source: LVC-TE Concept of Operations (CONOPS), CG TECOM, 12 August 2015



LVC-TE Increment I Program Scope



Drivers of LVC-TE

- Alignment of Legacy Systems with LVC IA
- Effectiveness of C2 Interfaces
- Interoperability with Joint/Other Service Training



Live Virtual Constructive Training Environment

Description/Summary of Program Requirements

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"> • CPM-Plus for first Development Cycle for Increment 1 – CPM –Plus was competed with a Line Item to support MC-LVC efforts •Competitive for COTS Hardware 	<ul style="list-style-type: none"> • First Development Effort - 2 years 	<p>MS B</p>  <p>Dec20-Jan 21</p>	<p>COTS Hardware</p>  <p>Jun 21</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>PMTRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil</p>	<ul style="list-style-type: none"> •Program office Estimate – •Planned completion Sept 	<ul style="list-style-type: none"> • Proof of Concept/Prototyping Effort – •General Dynamics 	



Combined Arms Command and Control Training Upgrade System (CACCTUS) PDSS

Description/Summary of Program Requirements

CACCTUS is a computer based trainer that allows battle staff training up to the MEB level. LVCTE CDD has named CACCTUS as an increment I program for integration.. We will be completing a new services contract for the post deployment System Support for the legacy system under the Electronic Communications Services Contract.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<ul style="list-style-type: none"> Competitive task order on ECS 	<ul style="list-style-type: none"> 22 APR 21 – 21 APR 22 Option for 22 APR 22 – 21 APR 23 Option for 22 APR 23 – 21 APR 24 	<table border="0"> <tr> <td data-bbox="1263 735 1624 1011"> <p>JAN 21</p>  <p>Task Order release on ECS</p> </td> <td data-bbox="1624 735 1868 1011"> <p>Feb 21</p>  <p>Award</p> </td> </tr> </table>	<p>JAN 21</p>  <p>Task Order release on ECS</p>	<p>Feb 21</p>  <p>Award</p>
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<p>PMTRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil</p>	<ul style="list-style-type: none"> •\$M 	<ul style="list-style-type: none"> • Riptide 		



Deployable Virtual Training Environment (DVTE) PDSS

Description/Summary of Program Requirements

DVTE is a deployable, laptop-based simulation system capable of emulating virtual organic and supporting Infantry Battalion weapons systems and training scenarios to facilitate T&R based training. We will be completing a new services contract for the post deployment System Support for the legacy system under the Electronic Communications Services Contract.

The proposed contract action is to procure Post Deployment Software Support (PDSS), system operation training, and helpdesk support for the VBS3 synthetic environment utilized by the DVTE training systems that are resident throughout the Marine Corps.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> Competitive Task order under ECS 	<ul style="list-style-type: none"> 01 Aug 2021 – 31 Jul 2022 	<p>May 2021</p>  <p>Task Order Award</p>	<p>June 2020</p>  <p>Award</p>
POINT OF CONTACT	FUNDING		CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
<p>PMTRASYS: Carlos Vazquez Phone: 951-768-3728 Email: carlos.l.vazquez1@navy.mil</p>	<ul style="list-style-type: none"> ~\$1.5M 		<ul style="list-style-type: none"> Bohemia Interactive Simulation, Inc



Questions?

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Contact PM TRASYS

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