Deployable Virtual Training Environment

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Infantry Toolkit

Current

• VBS-1
• VBS-2 Spring 08
• FOPCSim
• TACOPS
• Close Combat Marine (CCM)
• MAGTF- XXI

Other Applications

• TLTS (Iraqi, Pashtu, Dari, French HOA)
• ROC-V
• ROC-IED/ Urban
• Combined Arms Planning Tool
DVTE Usage

**FOPCSim**
- TBS
- IOC
- SOI AI TC
- EWS
- Ft Sill Eval

**Combined Arms Network/ J TAC Trainer**
- IOC
- EWS
- EWTGLANT/PAC J TAC Certification
- TTECG MTTs

**VBS-1/ Tactical Iraqi**
- Operating Forces
- Simcenters
VBS-2™

- Mission Rehearsal Capability
- Geo-specific terrain
- Networkable (100 players/HLA)
- Arabic language version
- Simulates all MAGTF platforms and weapons
- Comprehensive AAR
- Virtual Toolkit
  - Marine authored scenarios
  - “Pluggable” AI
  - Real Time Editor (Curveballs)
Tactical Language Cultural Training System (TLCTS)

**Brief Description**
- PC based tool that provides an organic foreign language and culture training capability.
- The system simulates the foreign environment, depicting characters speaking the foreign language and using gestures and other non-verbal cues characteristic of the region.

**Payoff – Benefit to SOF/USMC**
- Extend language and culture training to operators away from standard classroom to any location.
- Allows operators to train full-time or part-time.
- Deployable training capability.

**User:** USASOC, NAVSPECWARCOM, AFSOC, MARSOC, TSOC’s, Deployed Operators
**Transition:** SOFLO, CAOCL
**POM Strategy:** POM 08
**Requirement:** Coded to individual billets

**Current Status**
- UUNS in from I MEF & II MEF
- 100 copies in DLRC in Iraq
- Simulation Centers / Bases throughout USMC

**Versions Available**
- Iraqi, Pashto, French, and Dari
Current Fielding

- Simcenters (I MEF, II MEF, Oki, Hi, 29 Palms)
- Schoolhouses (TBS, IOC, EWS, SOI, LOS, EPME)
- Fielding down to the Regt Level and MEUs
Future

• Incorporated into PTP
• Simulation referenced in T&R’s
• Incorporated into all levels of training
  – Bn - Individual
  – Development of DVTE glossy notebook to ease training usage.
• Mission Rehearsal
  • Terrain Database import tool in VBS 2
• Classroom Instruction Aid
DVTE CONOPS

TECOM
USMC T&R Program Sponsor

- Set policies/procedures
- Set/enforce T&R based training

PMTRASYS
Provides Operations and Support

- System modifications to improve performance
- Incremental approach to fielding capability

MEF Sim Centers

- Training support
- Technical support

- Lessons learned
- Feedback

MEU

- Skills/Unit Sustainment
- MAGTF Training
- Mission planning/rehearsal

Battalion

Ind/Unit Proficiency and Sustainment

Schoolhouse

- ELT Training
- MOS training
- Formal School Training
DVTE Organizational Use and Configuration – School House

Formal School Houses
One DVTE system per school house (# and type of computers based on mission reqts)

- SOI
- IOC
- EWS
- TBS
- FT Sill Marine Det

- AITB
- Officer MOS training support
- PME training support
- Officer Entry-level training support
- Supporting Arms CFF Training
DVTE CONOPS

• DVTE CONOP’s:
  - Use a simulation network with reconfigurable workstations
  - Realistic M&S of weapon systems and platforms
  - System of systems
  - Functional interoperability with C2 systems and other operational platforms, both within the USMC and with other LVC training forces.
  - Short term - facilitate training and mission planning/Long term – full-scale mission rehearsal capability
  - Immersive characteristics – 3d sound, intuitive input devices, realistic geo-specific terrain, fully interactive environment, adaptive enemy behaviors, visual projection
  - Automatic creation of tailored training scenarios based off selected training standards
  - Automatic AAR capability-facilitate precise adjudication and remediation of training events
Questions