

PEO STRI



**COL Harold Buhl Jr.**

Project Manager Combined Arms Tactical Trainers



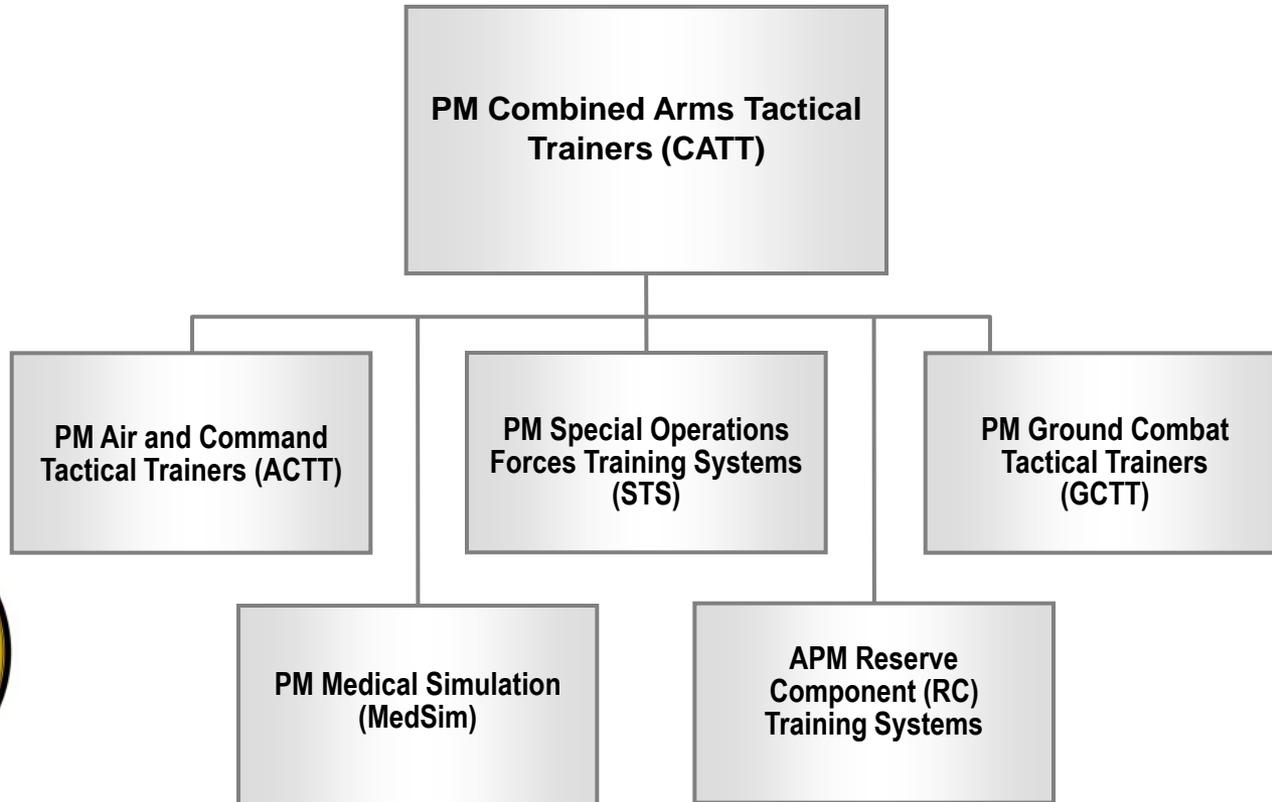


# Agenda

- **PM CATT Organization Chart**
- **PM CATT Vision and Mission**
- **TSIS 2013 Closeout**
- **TSIS 2014 Update**



# PM CATT Organization Chart





# PM CATT Vision and Mission

## **Vision:**

**Tough Realistic Training**

## **Mission:**

**Team CATT Provides and Supports Responsive Immersive Training Simulation, Gaming, and Mission Rehearsal Capability to Meet Service, and Combatant Commander Needs**



# TSIS 2013 - Closeout

<b><u>Program</u></b>	<b><u>Office</u></b>	<b><u>Status</u></b>
<b>AVCATT UH-72A Upgrade</b>	<b>PM ACTT</b>	<b>Pending Award in FY14</b>
<b>Games for Training</b>	<b>PM ACTT</b>	<b>Awarded in FY13</b>
<b>Common Driver Trainer</b>	<b>PM GCTT</b>	<b>Awarded in FY13</b>
<b>Engagement Skills Trainer II</b>	<b>PM STS</b>	<b>Pending Award in FY14</b>
<b>SOF RAFTOR III</b>	<b>PM STS</b>	<b>Pending Award in FY14</b>
<b>SOFAST-E</b>	<b>PM STS</b>	<b>Awarded in FY13</b>



# TSIS 2014 – Update

<u><i>Program</i></u>	<u><i>Office</i></u>	<u><i>Status</i></u>
Virtual BCT Collective Trainer (VBCT)	PM CATT	Market Research
Afghanistan Air Force PC-12 Training	PM ACTT	Pending Customer Funding
Kenya Flight Simulator Program	PM ACTT	Pending Customer Funding
Construction Equipment Virtual Trainer (CEVT)	PM GCTT	Pending Customer Funding
Stryker Maintenance Training System (MTS)	PM GCTT	Developing RFP
Saudi Arabian National Guard (SANG) Engagement Skills Trainer (EST) Contractor Logistics Support (CLS)	PM GCTT	Awaiting LOA
Mine Clearing Vehicle Operator Trainer (MCVOT) (Formerly the Medium Flail Virtual Trainer)	PM GCTT	Developing RFP
Bradley Precision Gunnery Trainer	PM GCTT	Market Research
Abrams Maintenance Training System (MTS)	PM GCTT	Pending Customer Funding
Counter, Rocket, Artillery & Mortar (CRAM) (LPWS-Land-Based Phalanx Weapon System)	PM GCTT	Market Research
Joint Light Tactical Vehicle Maintenance Trainers (JLTV MTS)	PM GCTT	Market Research
Veteran's Health Administration (VHA)	PM MEDSIM	Pending Multiple Awards



# Virtual BCT Collective Trainer (VBCT)

## Description/Summary of Program Requirements

The VBCT solution will provide company team collective training focused on the contemporary operating environment (Full Spectrum Operations) at a high level of fidelity for the Company Combat Team mission set of the Stryker Brigade Combat Team (SBCT), and the Infantry Brigade Combat Team (IBCT) in a virtual environment that is interoperable with the Armored Brigade Combat Team (ABCT) solution in CCTT. The VBCT solution must be compatible and interoperable with the Synthetic Environment (SE-Core) terrain databases, the Live, Virtual Constructive – Integrating Architecture (LVC-IA), Games for Training (GFT), Stryker Embedded Training System (ETS) and stimulate/be stimulated by mission command systems. Ideally, the VBCT should be low overhead, mobile, rapidly reconfigurable, approximate the conditions of the operational environment, operate on the Army’s training network and contain an automated training management capability. It will also support the mission set of the Ground Combat Vehicle (GCV), Armored Multi-Purpose Vehicle (AMPV), and the Joint Light Tactical Vehicle (JLTV).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
<ul style="list-style-type: none"> <li>• Full and Open</li> <li>• Competitive</li> </ul>	<p><b>Threshold:</b></p> <ul style="list-style-type: none"> <li>-IOC: 2 years after contract award</li> <li>-FOC: 6 years after contract award</li> </ul> <p><b>Objective:</b></p> <ul style="list-style-type: none"> <li>-IOC: 4 years after contract award</li> <li>-FOC: 8 years after contract award</li> </ul>	<p>RFI: 7 Nov 13</p> <p>One-on-One Sessions: 4 Dec 13</p> <p>RFP: FY16 (estimated)</p> <p>Contract Award: FY17 (estimated)</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
<p>Organization: PM CATT</p> <p>Phone: 407-384-3601</p> <p>Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a></p>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>



# Afghanistan Air Force PC-12 Training



## Description/Summary of Program Requirements

- Potential procurement of a suite of aviation training products for the PC-12/NG aircraft to include a Flight Training Device (FTD), instructional illustration boards and cut-a-way models of major aircraft systems for the country of Afghanistan.
- Contractor Logistics Support (CLS), spare parts, and training will also be procured for the training systems.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
<ul style="list-style-type: none"> <li>• TBD</li> </ul>	<ul style="list-style-type: none"> <li>• Estimated 18 months from contract award, excluding any CLS periods.</li> </ul>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
<p>Organization: PM CATT          Phone: 407-384-3601          Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a></p>	<ul style="list-style-type: none"> <li>• TBD (FMS)</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>



# Kenya Flight Simulator Program

## Description/Summary of Program Requirements

- Potential procurement of a suite of Flight Training Devices (FTDs) for the country of Kenya.
- Devices will include a mix of FTDs for the MD 500 series, Mi-171, SA 330G and Harbin Z-9/Z9W helicopters.
- Contractor Logistics Support (CLS), spare parts and training will also be procured for the FTDs.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
<ul style="list-style-type: none"> <li>• Use of existing STOC II, Lot I Vehicle</li> <li>• Single Award for all systems</li> </ul>	<ul style="list-style-type: none"> <li>• Estimated 24-30 months from contract award, excluding any CLS periods.</li> </ul>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
<p>Organization: PM CATT          Phone: 407-384-3601          Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a></p>	<ul style="list-style-type: none"> <li>• TBD (FMS)</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>



# Construction Equipment Virtual Trainer (CEVT)



## Description/Summary of Program Requirements

- Provide CEVT simulators to replicate the form, fit, and function of the actual construction equipment controls and provide instructions for basic and advance machine operation through a training curriculum that progresses from controls familiarization through complex application tasks.
  - ✓ Reconfigurable (Hydraulic Excavator-HYEX, Grader, Scraper, Wheel Loader-WL, and Dozer) simulators.
  - ✓ Train basic Construction Equipment (CE) operator skills.
  - ✓ Narrated, interactive operator training on daily service checks, startup and operation, safety and emergency response drills.
  - ✓ Three Degrees of Freedom (DOF), motion based platform.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<ul style="list-style-type: none"> <li>• Full and Open Competition</li> </ul>	<ul style="list-style-type: none"> <li>• FY14 through FY18</li> </ul>	June 2013  Draft RFP Release	TBD  RFP Release	TBD  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)		
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>		



# Stryker Maintenance Trainers (MTS)



## Description/Summary of Program Requirements

- The Stryker MTS is designed to teach troubleshooting tasks and remove and replace tasks for the 91S Military Occupational Skill (MOS).
- Expand the capabilities of the current system by adding Diagnostic Troubleshooting Trainer (DTT) lessons for the Stryker Mobile Gun System (MGS) variant while reusing the existing system architecture, software design, functionality, user and Instructor/Operator (I/O) interfaces, and instructor capabilities to select lessons from any Training Task List (TTL), new or old while utilizing 3D graphics.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• STOC II Competition</li> <li>• Single Award</li> <li>• Cost/Firm Fixed Price</li> <li>• GFI documentation provided</li> </ul>	<ul style="list-style-type: none"> <li>• Contract Award in FY14</li> <li>• Development in FY15</li> <li>• Production and Delivery in FY15</li> </ul>	2 Qtr FY14  RFP Release	3 Qtr FY14  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• \$3.165M procurement</li> </ul>	<ul style="list-style-type: none"> <li>• Rockwell Collins (Binghamton, NY)</li> </ul>	



## Description/Summary of Program Requirements

- New CLS provider for SANG’s small arms training devices.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• SANG has been provided results of PEO STRI’s Request For Information. SANG may provide source direction based upon their analysis of the RFI.</li> </ul>	<ul style="list-style-type: none"> <li>• 36 months after contract award.</li> </ul>	<p>4QFY14</p>  <p>RFP Release</p>	<p>1QFY15</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a></p>	<ul style="list-style-type: none"> <li>• Approximately \$2M (FMS)</li> </ul>	<ul style="list-style-type: none"> <li>• Cubic</li> </ul>	



# Mine Clearing Vehicle Operator Trainer (MCVOT)



## Description/Summary of Program Requirements

- The Mine Clearing Vehicle is a wheeled mine clearing system designed to clear and destroy anti-tank (AT) minefields in urban and rural theaters. The MCVOT will enable Soldiers to be trained in the critical operator tasks in area clearance operations and support the U.S. Army Engineer School (USAES) Program of Instruction (POI) 12B training course.
- The MCVOT will provide initial basic operation and maneuver training and will also be utilized for Sustainment and Collective training. MCVOT will permit the Operator to become familiar with the arrangement and operation of the equipment controls and instrumentation panels. Realistic visual and audio simulations will permit training in proper equipment starting, stopping procedures and familiarization with procedures of employment while operating through different Clearance tasks under varied terrain and weather conditions.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Evolutionary Strategy</li> <li>• STOC II-Small Business</li> <li>• Selected based on Best Value Criteria</li> <li>• Single Award</li> </ul>	<ul style="list-style-type: none"> <li>• Anticipated FY15 through FY19</li> </ul>	2 Qtr FY14 (tentative)   Draft RFP Release	1 Qtr FY15 (tentative)   Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• Approximately \$16M</li> </ul>	<ul style="list-style-type: none"> <li>• New Contract</li> </ul>	



# Bradley Precision Gunnery Trainer



## Description/Summary of Program Requirements

- Project Manager for Ground Combat Tactical Trainers (PM GCTT) is developing a new contract to replace the legacy Bradley Advanced Training Systems - Urban Operations (BATS-UO) and Conduct of Fire - Enhanced (COFT-E) virtual trainers.
- This effort includes replicating all the Bradley Gunnery Training functionality of existing M2/M3A2 ODS-SA (Operation Desert Storm -Situational Awareness) COFT-SA (Conduct of Fire - Situational Awareness) Mobile and Table Top Training devices in accordance with the Heavy Brigade Combat Team (HBCT) Gunnery Manual FM3.20-21.
- The intent is to mirror existing fielded devices to minimize configuration issues during life cycle support and training events. The effort is anticipated to be for 55 mobile/institutional trainers and 40 table top trainers over a four year period.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Possible EFO to be Issued (TBD)</li> <li>• Full and Open Competition (TBD)</li> </ul>	<ul style="list-style-type: none"> <li>• FY15 through FY19</li> </ul>	1 Qtr FY14  RFI Release	2 Qtr FY14  Acquisition Strategy Determined
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• Approximately \$73M value</li> </ul>	<ul style="list-style-type: none"> <li>• Current Contract: <b>W900K-09-D-0569</b></li> <li>• Firm-Fixed-Price (FFP)</li> <li>• Orion Advanced Simulation and Intel Systems (OASIS)</li> </ul>	



# Abrams Maintenance Training System (MTS)



## Description/Summary of Program Requirements

- The M1 Abrams Maintenance Training System (MTS) was developed to support training requirements for Project Manager (PM) Armored Brigade Combat Team (ABCT) in support of the 91A Military Occupational Specialty (MOS) training course. The M1 Abrams MTS provides training for the skill level development of system maintenance, fault diagnosis, troubleshooting, adjustments, removal/replacement, and repair tasks for the M1A1 SA and M1A2 SEpv2 main battle tanks. The M1 Abrams MTS is a training device composed of three variants: M1A1 Situational Awareness (SA) Hands-On Trainer (HOT); M1A2 System Enhancement Package version 2 (SEpv2) HOT; and, M1A1/A2 Diagnostic and Troubleshooting (D/T) desktop trainer.
- PM ABCT has additional requirements to incorporate “Fleet Modifications” and “Crew Remote Operated Weapons Station (CROWS)” into the Abrams MTS program baseline/variants to replicate the tactical Abrams fleet.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Evolutionary Strategy</li> <li>• STOC II Competition</li> <li>• Selected based on Best Value Criteria</li> <li>• Single Award</li> </ul>	<ul style="list-style-type: none"> <li>• FY15 through FY19</li> </ul>	4 Qtr FY14  Draft RFP Release	3 Qtr FY15  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• Approximately value \$26,000,000</li> </ul>	<ul style="list-style-type: none"> <li>• W900KK-07-D-0728</li> <li>• \$82,000,000</li> <li>• CAE USA, Inc.</li> </ul>	



# Counter, Rocket, Artillery & Mortar (CRAM) (LPWS-Land-Based Phalanx Weapon System)



## Description/Summary of Program Requirements

- The LPWS consists of a modified U.S. Navy MK-15 MOD 29 (Block 1B Baseline 2) Close In Weapon System (CIWS), weapon group system (radar/weapon assembly) mounted on a modified Fontaine commercial, 35-ton semitrailer towed by a M916A3 6X6 tractor. The MK15 CIWS is a 20mm M61 Gatling gun system capable of 310 degree fire control acquisition countering indirect enemy rounds.
- The Conduct of Fire Trainer (COFT) and Enhanced Interactive Multi-media Instruction (eIMI) for Operator Preventative Maintenance Checks and Services (PMCS) trainer will be used to train Military Occupational Skill (MOS) 14S Air and Missile Defense (AMD) crewmembers. The Hands On Trainer (HOT) and eIMI for Maintainer Trainer will be used to train MOS 94M, 94T and 948D repairmen and maintainers. The training systems will enable training in the critical operator and maintainer tasks that can be repetitively trained in a training system and are time consuming, resource constrained or dangerous to be trained on actual equipment. It is envisioned that the training will support the three stage training strategy, crawl, walk, and run.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Spiral Strategy</li> <li>• Full and Open Competition</li> <li>• Single Award</li> </ul>	<ul style="list-style-type: none"> <li>• Anticipated FY15 through FY19</li> </ul>	2 Qtr FY14 (tentative)   Draft RFP Release	1 Qtr FY15 (tentative)   Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• Approximately \$42M</li> </ul>	<ul style="list-style-type: none"> <li>• Raytheon Corporation (Original developer of Phalanx System)</li> </ul>	



# JLTV Maintenance Trainers



## Description/Summary of Program Requirements

• The Joint Light Tactical Vehicle (JLTV) Maintenance Trainers consist of five (5) training devices (Engine Control Module, Transmission Control Module, Anti Brake System Module, Central Tire Inflation System Module and Fire Extinguisher Control System Module). The requirement is to conduct electrical system diagnostic training, all sensors, switches and wiring need to be replicated.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Full and Open Competition</li> </ul>	<ul style="list-style-type: none"> <li>• FY16 through FY22</li> </ul>	4 Qtr FY15  Draft RFP Release	3 Qtr FY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• Approximately \$67.6M</li> </ul>	<ul style="list-style-type: none"> <li>• New Contract</li> </ul>	



# Veteran's Health Administration (VHA)

## Description/Summary of Program Requirements

- The Under-Secretary for Health, VHA established the Simulation, Learning, Education, and Research Network (SimLEARN) Program in July 2009 to standardize clinical simulation training, education, and research. The Resuscitation Education Initiative (REdi) Program executes the American Heart Association (AHA) training and certification program across the entire VHA provider system.
- Blanket Purchase Agreements (BPA) will be established for Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) Supplies; Automated External Defibrillator (AED) Trainers; Adult, Junior, and Baby Airway Materials; and Manikins to support 154 sites.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Full and Open</li> <li>• Small Business Set Asides</li> <li>• Single Award BPAs</li> </ul>	<ul style="list-style-type: none"> <li>• Three year Period of Performance (POP)</li> <li>• Initial call to satisfy the minimum purchase requirements</li> <li>• Additional incremental calls for up to the maximum purchase requirements, or to the end of the POP</li> </ul>	<p>2QFY14</p>  <p>RFQ's Released</p>	<p>4QFY14</p>  <p>Contracts Awarded</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Organization: PM CATT          Phone: 407-384-3601          Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a></p>	<ul style="list-style-type: none"> <li>• REdi Funding</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	



# Veteran's Health Administration (VHA)

## Description/Summary of Program Requirements

- The Under-Secretary for Health, VHA established the Simulation, Learning, Education, and Research Network (SimLEARN) Program in July 2009 to standardize clinical simulation training, education, and research. The Out of Operating Room Airway Management (OOORAM) Program executes critical life saving training courseware to all Intensive Care Units (ICUs) and Critical Care Units (CCUs) throughout the VHA provider system.
- Commercial contracts will be awarded for OOORAM, catheter insertion, and specialty care training systems; performance recording equipment; and training system sustainment.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Full and Open Competition</li> <li>• Commercial Items</li> <li>• Single Awards</li> </ul>	<ul style="list-style-type: none"> <li>• One to Five Years Period of Performance</li> <li>• Base CLIN with Options</li> </ul>	2QFY14  RFQs Released	4QFY14  Contract Awards
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM CATT Phone: 407-384-3601 Email: <a href="mailto:CATT@peostri.army.mil">CATT@peostri.army.mil</a>	<ul style="list-style-type: none"> <li>• FY14 Funding</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	