

PEO STRI



**COL Harold Buhl Jr.**

Project Manager Combined Arms Tactical Trainers



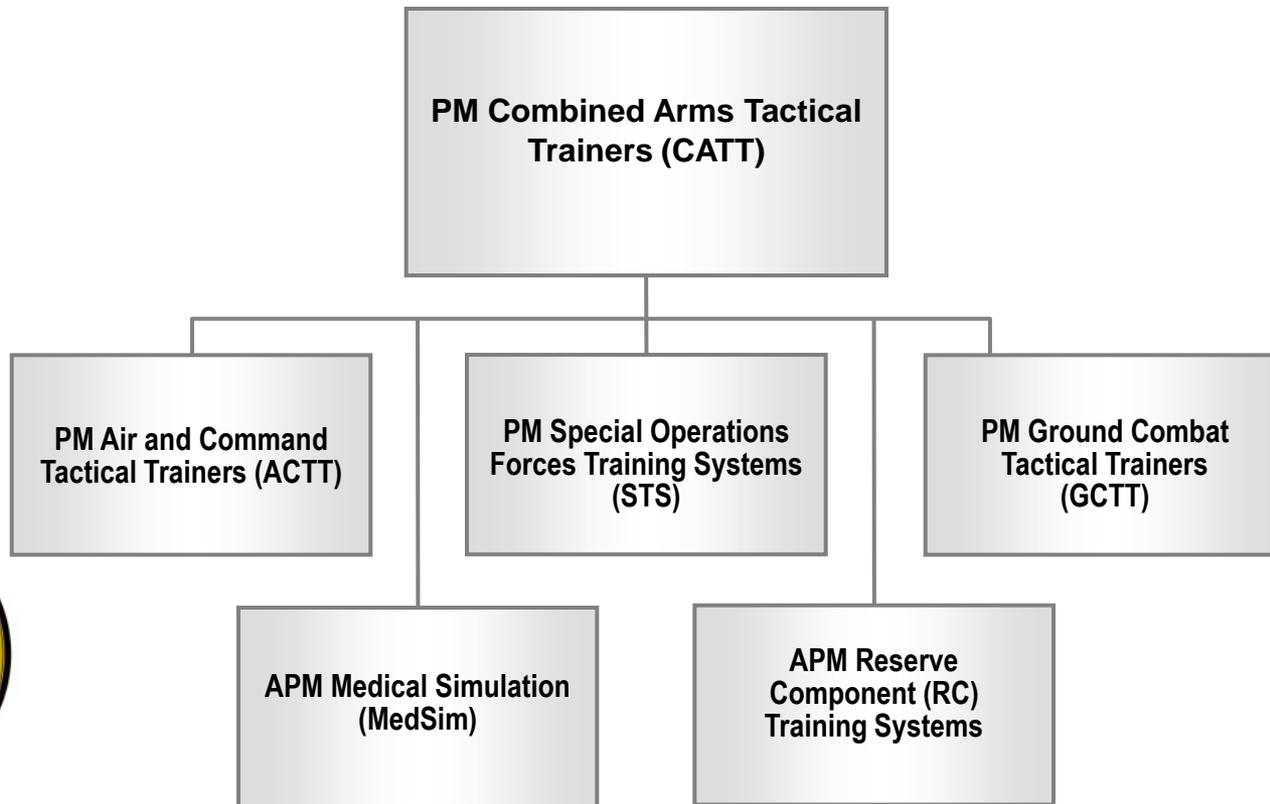


# Agenda

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



# 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 - Update

<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>Still valid for FY13</b>
<b>Games for Training</b>	<b>PM ACTT</b>	<b>Pending Award in FY13</b>
<b>Common Driver Trainer</b>	<b>PM GCTT</b>	<b>Pending Award in FY13</b>
<b>Engagement Skills Trainer II</b>	<b>PM GCTT</b>	<b>Pending Award in FY14</b>
<b>SOF RAFTOR III</b>	<b>PM STS</b>	<b>Pending Award in FY13</b>
<b>SOFAST-E</b>	<b>PM STS</b>	<b>Pending Award in FY13</b>



# 2014 Opportunities

<u>Program</u>	<u>Office</u>	<u>Potential \$ Value</u>
AVCATT Non-Rated Crew Member Manned Module (NCM3)	PM ACTT	TBD
Afghanistan Air Force PC-12 Training	PM ACTT	TBD
Kenya Flight Simulator Program	PM ACTT	TBD
Construction Equipment Virtual Trainer (CEVT)	PM GCTT	\$83M
Stryker Maintenance Training System (MTS)	PM GCTT	\$46M
Jordan HIMARS Virtual Maintenance Trainer	PM GCTT	\$1M
Saudi Arabian National Guard (SANG) Engagement Skills Trainer (EST) Contractor Logistics Support (CCS)	PM GCTT	\$2M
Area Mine Clearance System (AMCS) Medium Flail Virtual Trainer (MFVT)	PM GCTT	\$9M
Special Operations Forces Training, Engineering and Maintenance Support (SOF TEAMS) II	PM STS	\$40M
Air Force Medical Modeling and Simulation Training	APM MEDSIM	TBD
Veteran's Health Administration (VHA)	APM MEDSIM	\$10.5M
Veteran's Health Administration (VHA)	APM MEDSIM	\$9.5M



# AVCATT Non-Rated Crew Member Manned Module (NCM3)



## Description/Summary of Program Requirements

- The NCM3 is a transportable, virtual simulation device designed to support training of non-rated crew members in crew coordination, flight, aerial gunnery, hoist and sling load related tasks.
- Base award for one NCM3 unit.
- Options for up to nine additional NCM3 units and for design, development and test of a weapons upgrade to NCM3 #1 and #2.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• STOC II, Disabled, Veteran Owned, Small Business Set Aside.</li> </ul>	<ul style="list-style-type: none"> <li>• Not to exceed five years.</li> </ul>	July 2013  RFP Release	2QFY14  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>• Procurement funding for NCM3 Production.</li> <li>• RDTE funding for NCM3 weapons upgrade design, development and testing.</li> </ul>	<ul style="list-style-type: none"> <li>• Science Applications International Corporation (SAIC).</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>	1QFY14  RFP Release	4QFY14  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 (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>	1QFY14  RFP Release	4QFY14  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 (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	Aug 2013  RFP Release	2QFY14  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 \$83M (Procurement)</li> </ul>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>		



# Stryker Maintenance Training System



## Description/Summary of Program Requirements

• Phase IV of the Stryker Maintenance Training System (MTS) will provide institutional training assets to complete the system of systems. This procurement is planned to acquire additional Diagnostic Troubleshooting Trainer (DTT) lesson software for the Mobile Gun System (MGS), three dimensional graphics for the existing DTT lessons and five simulators for the Anti-Tank Guided Missile, Mortar Carrier, MGS and Remote Weapons Station. Focus will be on:

- ✓ Normal and abnormal system operations
- ✓ Maintenance personnel troubleshooting and repair tasks as outlined in Interactive Electronic Technical Manuals
- ✓ System specific remove and replace tasks
- ✓ Compatibility with the existing MTS assets

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• TBD</li> </ul>	<ul style="list-style-type: none"> <li>• FY14 - FY21</li> </ul>	<p>3QFY14</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 \$46M (Procurement)</li> </ul>	<ul style="list-style-type: none"> <li>• Rockwell Collins</li> </ul>	



# Jordan HIMARS Virtual Maintenance Trainer



## Description/Summary of Program Requirements

- Provide the country of Jordan with a virtual classroom trainer equipment with six Student Workstations and one Operator’s Station which combines the US Diagnostic (DT) and Organizational Maintenance Trainers (OMT) into a single system designated the Virtual Maintenance Trainer (VMT).
  - ✓ OMT software application trains HIMARS crewmembers on preventive maintenance checks and services (PMCS)
  - ✓ DT software application trains HIMARS Maintenance Technicians on troubleshooting, remove and replace tasks.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES								
<ul style="list-style-type: none"> <li>• TBD</li> </ul>	<ul style="list-style-type: none"> <li>• FY13 through FY14</li> </ul>	<table border="0"> <tr> <td style="text-align: center;">TBD*</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">RFP Release</td> <td style="text-align: center;">Contract Award</td> </tr> <tr> <td colspan="2" style="text-align: center;">• Schedule cannot be determined until the case is implemented</td> </tr> </table>	TBD*	TBD			RFP Release	Contract Award	• Schedule cannot be determined until the case is implemented	
TBD*	TBD									
										
RFP Release	Contract Award									
• Schedule cannot be determined until the case is implemented										
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 \$1M (FMS)</li> </ul>	<ul style="list-style-type: none"> <li>• CAE USA</li> </ul>								



**Saudi Arabian National Guard (SANG)  
Engagement Skills Trainer (EST)  
Contractor Logistics Support (CLS)**



## 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>	



# Area Mine Clearance System (AMCS) Medium Flail Virtual Trainer (MFVT)



## Description/Summary of Program Requirements

The Area Mine Clearance System (AMCS) is a wheeled vehicle mine clearing systems designed to clear and destroy anti-tank (AT) minefields in urban and rural theaters. The AMCS Medium Flail Virtual Trainer (MFVT) 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 AMCS MFVT will provide initial basic operation and maneuver training and will also be used for sustainment and collective training. The MFVT 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 and 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>• Full and Open Competition</li> </ul>	<ul style="list-style-type: none"> <li>• FY14 through FY18</li> </ul>	4QFY13  RFP Release	3QFY14  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 \$9M (Procurement)</li> </ul>	<ul style="list-style-type: none"> <li>• TBD</li> </ul>	



# Special Operations Forces Training, Engineering and Maintenance Support (SOF TEAMS) II



## Description/Summary of Program Requirements

- Non-personal technical service support for the 160th Special Operations Aviation Regiment (Airborne) (SOAR(A)) Training Aids, Devices, Simulators and Simulations (TADSS) located at Fort Campbell, KY.
- Management, administration, maintenance, logistics support, operational support, engineering support, TADSS Management Information System (MIS), configuration management and minor modifications to Special Operations Aviation (SOA) fielded TADSS which include:
  - Combat Mission Simulators (CMS) (2 X variants of MH-60 CMS, 2 X variants of MH-47 CMS, 1 X A/MH-6 CMS)
  - Desk Top Trainer (DTT)
  - Battle Staff Training System (BSTS), Exercise Management Control (EMC)
  - Mission Rehearsal Operations Center (MROC)
  - Storage Area Network (SAN)
- Fielding, logistical and relocation (as necessary) services to support future outstation requirements as they arise.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>• Competitive</li> <li>• Small Business Set Aside</li> <li>• Firm Fixed Price for Labor and Program Management with Time and Material CLINs for technical and logistic support services</li> </ul>	<ul style="list-style-type: none"> <li>• Base Period: 12 Months</li> <li>• Options: Four, one year options</li> </ul>	3QFY13  RFP Release	2QFY14  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>• Funding: O&amp;M</li> <li>• Contract Value Estimate: \$40M</li> </ul>	<ul style="list-style-type: none"> <li>• Nova Technologies</li> </ul>	



# Air Force Medical Modeling and Simulation Training (AFMMAST)



## Description/Summary of Program Requirements

- The AFMMAST program's mission is to develop and use advanced learning technologies and methodologies to improve medical education and training for healthcare teams and patients for the purpose of improving healthcare outcomes. As a result, support services are required at the AFMMAST CPO and designated Simulation Centers.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> <li>Small Business Set Aside</li> </ul>	<ul style="list-style-type: none"> <li>Base plus four option years</li> </ul>	3QFY13  RFP Release	1QFY14  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 (FY14 USAF O&amp;M)</li> </ul>	<ul style="list-style-type: none"> <li>ICF Corporation</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>• 15 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>3QFY13</p>  <p>RFQ's Released</p>	<p>4QFY13</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> <li>• Base year \$10.5M</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>• 10+ 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>	3QFY13  RFQ Released	4QFY13  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>• FY13 Funding</li> <li>• \$9.5M</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	



# TSIS 2013 – Mid-Term Potential Interest Areas

## Potential Training Capability

Physical & Psychological Squad Stressors

Embedded Vehicle Virtual Training

Reduced Instructor /Operator /Maintainer Footprint

Engineered Trainability

High-Accuracy Ballistics

Highly Realistic Effects

Mixed Reality

## Potential Application

Ground & Flight Trainers

Ground & Flight Trainers

All Trainers

Ground Trainers

Ground & Flight Trainers

Ground Trainers

Ground Trainers

**No Guarantee of Funded or Pursued Capabilities**



# 2014 Opportunities

<u>Program</u>	<u>Office</u>	<u>Potential \$ Value</u>
AVCATT Non-Rated Crew Member Manned Module (NCM3)	PM ACTT	TBD
Afghanistan Air Force PC-12 Training	PM ACTT	TBD
Kenya Flight Simulator Program	PM ACTT	TBD
Construction Equipment Virtual Trainer (CEVT)	PM GCTT	\$40M
Stryker Maintenance Training System (MTS)	PM GCTT	\$46M
Jordan HIMARS Virtual Maintenance Trainer	PM GCTT	\$1M
Saudi Arabian National Guard (SANG) Engagement Skills Trainer (EST) Contractor Logistics Support (CCS)	PM GCTT	\$2M
Area Mine Clearance System (AMCS) Medium Flail Virtual Trainer (MFVT)	PM GCTT	\$9M
Special Operations Forces Training, Engineering and Maintenance Support (SOF TEAMS) II	PM STS	\$40M
Air Force Medical Modeling and Simulation Training	APM MEDSIM	TBD
Veteran's Health Administration (VHA)	APM MEDSIM	\$10.5M
Veteran's Health Administration (VHA)	APM MEDSIM	\$9.5M