



# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM

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INDUSTRY SYMPOSIUM



*COL Francisco A. Espailat*

*Project Manager*

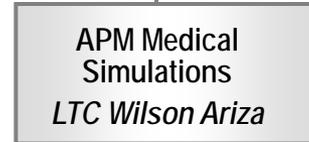
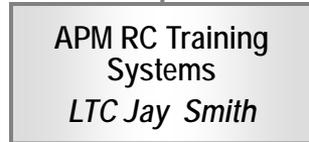
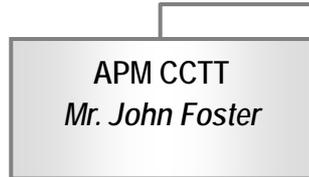
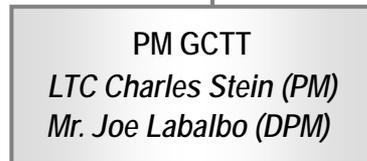
*Combined Arms Tactical Trainers (PM CATT)*

*Update for IITSEC*





# PM CATT Organizational Chart



# Agenda



<b><i>Project</i></b>	<b><i>Office</i></b>	<b><i>Potential \$ Value</i></b>
Medical Simulation Training Centers	APM MedSim	\$150M
Mi-17 FTD/G-222 FTD, BATD, & FLT	PM ACTT	\$15M
Games for Training Increment II	PM ACTT	TBD
Army Ground Support Equipment Phase II	PM ACTT	TBD
SLAMRAAM Suite of TADSS	PM GCTT	\$5M – \$25M
Common Driver Trainer	PM GCTT	\$350M
Desktop Maintenance Trainer	PM GCTT	\$50M
MH-47/MH-60 Legacy Upgrade Effort	PM STS	\$31M
Call for Fire Trainer II	PM STS	\$3.2M – \$25M



# Medical Simulation Training Centers (MSTC)



## Description/Summary of Program Requirements

- The MSTC System provides a sustained, maintained and supported Army training asset, providing a regional training capability, located at the installation level. The MSTC delivers effective medical training with a standardized training platform for both classroom and simulated battlefield conditions to prepare Soldiers for the application of medical interventions under combat conditions.
- Located at 17 sites around the world; plans for 17 additional sites; potential Foreign Military Sales (FMS) beginning in FY11.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>
<ul style="list-style-type: none"> <li>• Competitive IDIQ</li> <li>• Single or multiple awards</li> </ul>	<ul style="list-style-type: none"> <li>• Base with three options</li> </ul>	<p>Draft RFP: 1QFY11      4QFY11</p> <p style="text-align: center;">▲                                  ▲</p> <p style="text-align: center;">RFP                                  Contract</p> <p style="text-align: center;">Release                              Award</p>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM</b>
<p>Name: Percy G. Parker          Organization: APM MedSim          Phone: (407) 384-5186          Email: percy.parker@us.army.mil</p>	<ul style="list-style-type: none"> <li>• Total funding ~ \$150 M ceiling</li> </ul>	<ul style="list-style-type: none"> <li>• WWF for ISS - CSC</li> <li>• IDIQ for VPS - METI</li> </ul>



# Mi-17 FTD/G-222 FTD, BATD, & FLT



## Description/Summary of Program Requirements

- Foreign Military Sales case for one Mi-17 FAA Level 5+ Flight Training Device (FTD), one G-222 FAA Level 5+ Flight Training Device (FTD), one G-222 Basic Aviation Training Device (BATD), one G-222 Fuselage Load Trainer (FLT), support items, contractor logistics support, and options for additional devices.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>Competitive, STOC II, Lot I</li> <li>Single award</li> </ul>	<ul style="list-style-type: none"> <li>G-222 BATD: NLT 6 MACA</li> <li>G-222 FTD: NLT 12 MACA</li> <li>Mi-17 FTD: NLT 12 MACA</li> <li>G-222 FLT: NLT 18 MACA</li> </ul> <p>* MACA = Months after Contract Award</p>	<p>1QFY11</p>  <p>RFP Release</p>	<p>3QFY11</p>  <p>Contract Award</p>
<b>Point of Contact</b>	<b>Funding</b>	<b>Current Contract/Original Developer/OEM (if recompetete)</b>	
<p>Name: Mike Younce          Organization: PM ACTT          Phone: (407) 384-3763          Email: michael.younce@us.army.mil</p>	<ul style="list-style-type: none"> <li>~ \$15M</li> </ul>	<p>N/A</p>	



# Games for Training (GFT) Increment II



## Description/Summary of Program Requirements

- To enable the Army to take advantage of advances in commercial gaming technology improvements, the primary FY13 GFT Increment II requirement is for a next generation, First Person Shooter (FPS) game enterprise license.
- GFT Increment II will provide Soldiers and Leaders the ability to train selected, collective and individual tasks while deployed, at homestation, at the institution, or through self-development via the latest in mobile, handheld, laptop and on-line gaming technology.
- The new software should be optimized for current, top-end computer hardware, but must be able to run on earlier hardware at a lower level of performance.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• License - Full and Open Competition</li> <li>• Hardware – via Common Battle Command Simulation Equipment (CBCSE) program.</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>•License - One year with three-to-five option years</li> <li>•Hardware – Includes three year warranty</li> </ul>	<b>Milestones</b> <table style="width: 100%; text-align: center;"> <tr> <td>4QFY12</td> <td>2QFY13</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>RFP Release</td> <td>Contract Award</td> </tr> </table>	4QFY12	2QFY13			RFP Release	Contract Award
4QFY12	2QFY13							
								
RFP Release	Contract Award							
<b>Point of Contact</b> Name: Leslie Dubow Organization: PM ACTT Phone: (407) 384-3629 Email: leslie.dubow@us.army.mil	<b>Funding</b> License and hardware - TBD	<b>Current Contract/Original Developer/OEM (if recompute)</b> <ul style="list-style-type: none"> <li>• Current License - Laser Shot (VBS2)</li> <li>• Current Hardware - CDW-G</li> </ul>						





# SLAMRAAM Suite of TADSS



## Description/Summary of Program Requirements

- The Surface-Launched, Advanced Medium Range Air-to-Air Missile (SLAMRAAM) is the Army's future short range air defense weapon. The SLAMRAAM program is intended to eventually replace all the Army's short range air defense weapon systems that employ the Stinger missile.
- The preliminary requirement is six training systems, ranging from Diagnostic Maintenance Trainers to missile and launcher mockups, for the Air Defense and Ordnance Munitions & Electronic Maintenance Schools.
- The tactical system was modified to mount on a FMTV, versus a HMMWV, resulting in a delay in competing this training device program.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Competitively selected under STOC II</li> <li>• Firm Fixed Price</li> <li>• Selected based on Best Value criteria</li> <li>• GFI documentation provided</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base period plus any planned options</li> <li>• No earlier than FY 13</li> </ul>	<b>Milestones</b> <ul style="list-style-type: none"> <li>• TBD (dependent on customer funding)</li> </ul>
<b>Point of Contact</b> Name: Stan Carpenter Organization: PM GCTT Phone: 407-384-5168 Email: stan.carpenter@us.army.mil	<b>Funding</b> <ul style="list-style-type: none"> <li>• Contract (s) Estimate:            ~ RDTE plus procurement (total \$5M to \$25M)</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Effort</li> </ul>



# Common Driver Trainer (CDT)



## Description/Summary of Program Requirements

- To provide initial and sustainment vehicle driver training simulation at both operational institution and training installation levels.
- The vehicle cab variants will be modular and interchangeable allowing multiple variant training on one common motion platform.
  - ✓ A common platform and instructor station able to support multiple driver cabs.
  - ✓ Geo-typical terrain database that supports multiple driving environments.
  - ✓ On-board scenario editing function to develop additional training scenarios at the unit / institution level.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Competitively selected under STOC II</li> <li>• Single award with options</li> <li>• Firm Fixed Price</li> <li>• Selected based on Best Value criteria</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• TBD</li> </ul>	<b>Milestones</b> <ul style="list-style-type: none"> <li>• TBD (dependent on customer funding)</li> </ul>
<b>Point of Contact</b> <p>Name: MAJ Cassandra Forrester          Organization: PM GCTT          Phone: (407) 384-5164          Email: cassandra.forrester@us.army.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Contract (s) Estimate:              ~ \$350M procurement</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• SAIC, Orlando, FL</li> </ul>



# Desktop Maintenance Trainer (DMT)



## Description/Summary of Program Requirements

- To provide initial and sustainment vehicle maintenance training simulations at various training installations and remote training sites.
- The DMT shall initially focus on the basic knowledge and skills required of the Bradley Fighting Vehicle maintainer. A common architecture (hardware and software) is desired to allow expansion to support a variety of skill based maintenance training.
  - ✓ Able to support multiple maintenance MOS's in the same classroom.
  - ✓ The hardware platform (student station and instructor operator station) would require fewer spares being stockpiled and maintenance personnel.
  - ✓ The software supporting the DMT will be interoperable with the other 91 series MOS's.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• Competitively selected under STOC II</li> <li>• Single award with options</li> <li>• Firm Fixed Price</li> <li>• Selected based on Best Value criteria</li> <li>• GFI documentation provided</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• TBD</li> </ul>	<b>Milestones</b> <ul style="list-style-type: none"> <li>• TBD (dependent on customer funding)</li> </ul>
<b>Point of Contact</b> Name: Wayne Golon Organization: PM CATT GCTT Phone: 407-384-3949 Email: Wayne.Golon@us.army.mil	<b>Funding</b> <ul style="list-style-type: none"> <li>• Contract(s) Estimate: ~ \$50M procurement</li> </ul>	<b>Current Contract/Original Developer/OEM (if recompetete)</b> <ul style="list-style-type: none"> <li>• New Effort</li> </ul>



# MH-47/MH-60 Special Operations Aviation Legacy Upgrade Effort



## Description/Summary of Program Requirements

- Combat Mission Simulator (CMS) Conversions
  - MH-47E CMS conversion to MH-47G CMS
  - MH-60K CMS conversion to MH-60M CMS
- Legacy Upgrade Effort (LUE) provides aircraft concurrency for the pilot cockpit interface, current flight profile characteristics, and the updated common avionics software.
- Provides training throughput commensurate with approved force structure growth.

<b>Acquisition Strategy</b>	<b>Period of Performance</b>	<b>Milestones</b>	
<ul style="list-style-type: none"> <li>• STOC II Competitive</li> <li>• Firm Fixed Price</li> <li>• Single award with option</li> </ul>	<ul style="list-style-type: none"> <li>• Base with one option year</li> </ul>	1QFY11  RFP Release	2QFY11  Contract Award
<b>Point of Contact</b>	<b>Funding</b>		<b>Current Contract/Original Developer/OEM (if recompetete)</b>
Name: MAJ Mark Bliss Organization: PM STS Phone: (407) 384-3803 Email: mark.bliss@us.army.mil	<ul style="list-style-type: none"> <li>• FY11 PROC ~ \$16 M</li> <li>• FY12 PROC ~ \$15 M</li> </ul>		N/A



# Call for Fire Trainer II (CFFT)

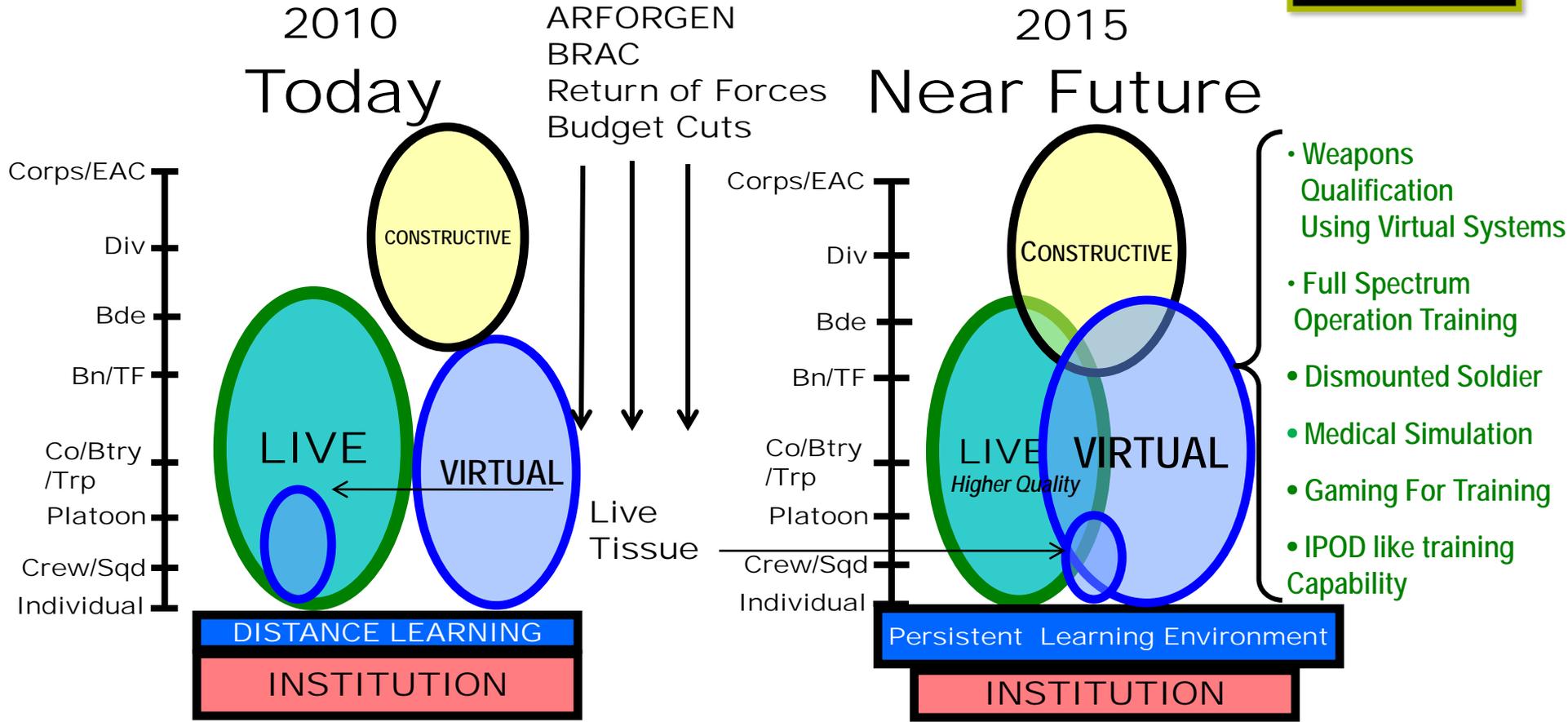


## Description/Summary of Program Requirements

- The Call For Fire Trainer II is a lightweight, rapidly deployable, observed fire training system that provides simulated battlefield training for Fire Support Specialists, Joint Fires Observers (JFO), and Soldiers at the institutional and unit level.
- The system provides simulated battlefield training to Forward Observers in four configurations: 1:4, 1:12, 1:30, and the institutional CFFT-II Plus. The CFFT-II Plus at the US Army Field Artillery School provides an immersive environment for Army and joint observed fires training that accurately replicates the Contemporary Operating Environment.

<b>Acquisition Strategy</b> <ul style="list-style-type: none"> <li>• STOC II competitive</li> <li>• Firm Fixed Price</li> <li>• Single award with options</li> </ul>	<b>Period of Performance</b> <ul style="list-style-type: none"> <li>• Base with four option years</li> </ul>	<b>Milestones</b> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">2QFY11</td> <td style="text-align: center;">4QFY11</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> </table>	2QFY11	4QFY11			RFP Release	Contract Award
2QFY11	4QFY11							
								
RFP Release	Contract Award							
<b>Point of Contact</b> <p>Name: MAJ Joseph L. Lisella  Organization: PM STS  Phone: 407-208-3435  Email: joseph.lisella@us.army.mil</p>	<b>Funding</b> <ul style="list-style-type: none"> <li>• Base Year: \$3.2M - \$11M</li> <li>• Option Years: \$5M+ each</li> </ul>	<b>Current Contract/Original Developer/OEM (if recomplete)</b> <ul style="list-style-type: none"> <li>• Fidelity Technologies Corporation (OEM)</li> </ul>						

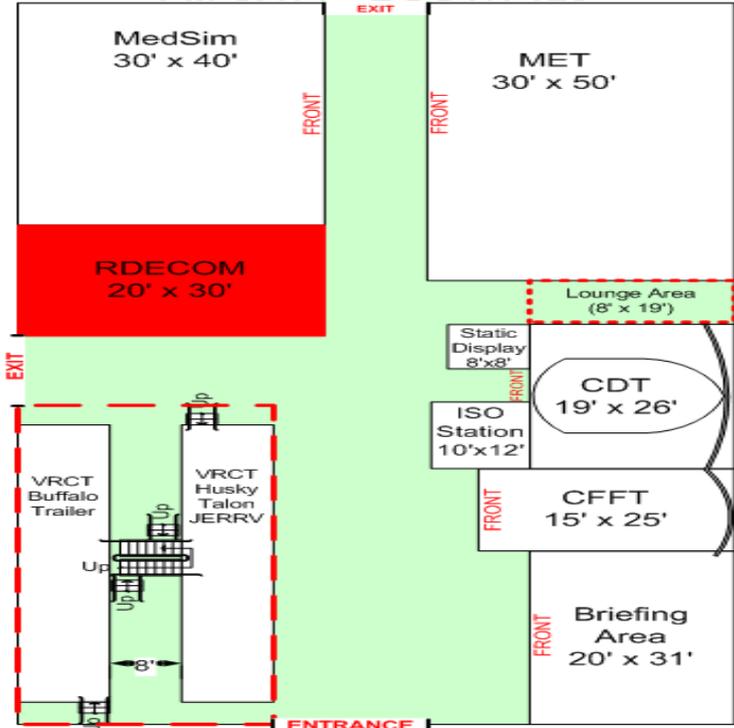
# The Future of Training – from the Virtual and Games for Training (GFT) Prospective



Must Train: Leaders, Staffs, Soldiers

LIVE TRAINING REMAINS THE CORNERSTONE of TRAINING ENHANCED BY VIRTUAL (and Games for Training) & CONSTRUCTIVE

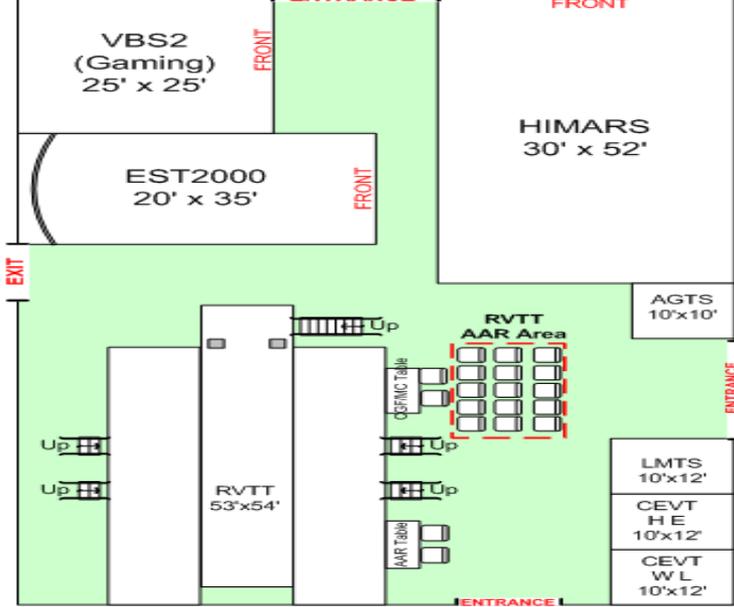
**PM CATT - BOOTH 125**



Interservice / Industry Training,  
Simulation and Education  
Conference  
(I/ITSEC) Big CATT Booth  
29 Nov - 2 DEC 2010



**PM CATT - BOOTH 101**



# Points of Contact



## Name of System

## POC

**Medical Simulation Training Centers**

**Mr. Percy G. Parker** - 407-384-5186  
percy.parker@peostri.army.mil

**Mi-17 FTD/G-222 FTD, BATD, & FLT**

**Mr. Mike Younce** - 407-384-3763  
michael.younce@us.army.mil

**Games for Training (GFT) Increment II**

**Ms. Leslie Dubow** - 407-384-3629  
leslie.dubow@us.army.mil

**Army Ground Support Equipment  
(AGSE) Phase II**

**Ms. Colleen Matthews** - 407-384-3979  
colleen.matthews@us.army.mil

**SLAMRAAM Suite of TADSS**

**Mr. Stan Carpenter** - 407-384-5168  
stan.carpenter@us.army.mil

**Common Driver Trainer (CDT)**

**MAJ Cassandra Forrester** - 407-384-5164  
cassandra.forrester@us.army.mil

**Desktop Maintenance Trainer (DMT)**

**Mr. Wayne Golon** - 407-384-3949  
Wayne.Golon@us.army.mil

**MH-47/MH-60 Special Operations Aviation  
Legacy Upgrade Effort**

**MAJ Mark Bliss** - 407-384-3803  
mark.bliss@us.army.mil

**Call for Fire Trainer II (CFFT)**

**MAJ Joseph Lisella** - 407-384-3435  
joseph.lisella@us.army.mil