



***COL Fred Mullins***  
***Project Manager***

**PM TRADE**



**TRAINING & SIMULATION INDUSTRY SYMPOSIUM 2008**

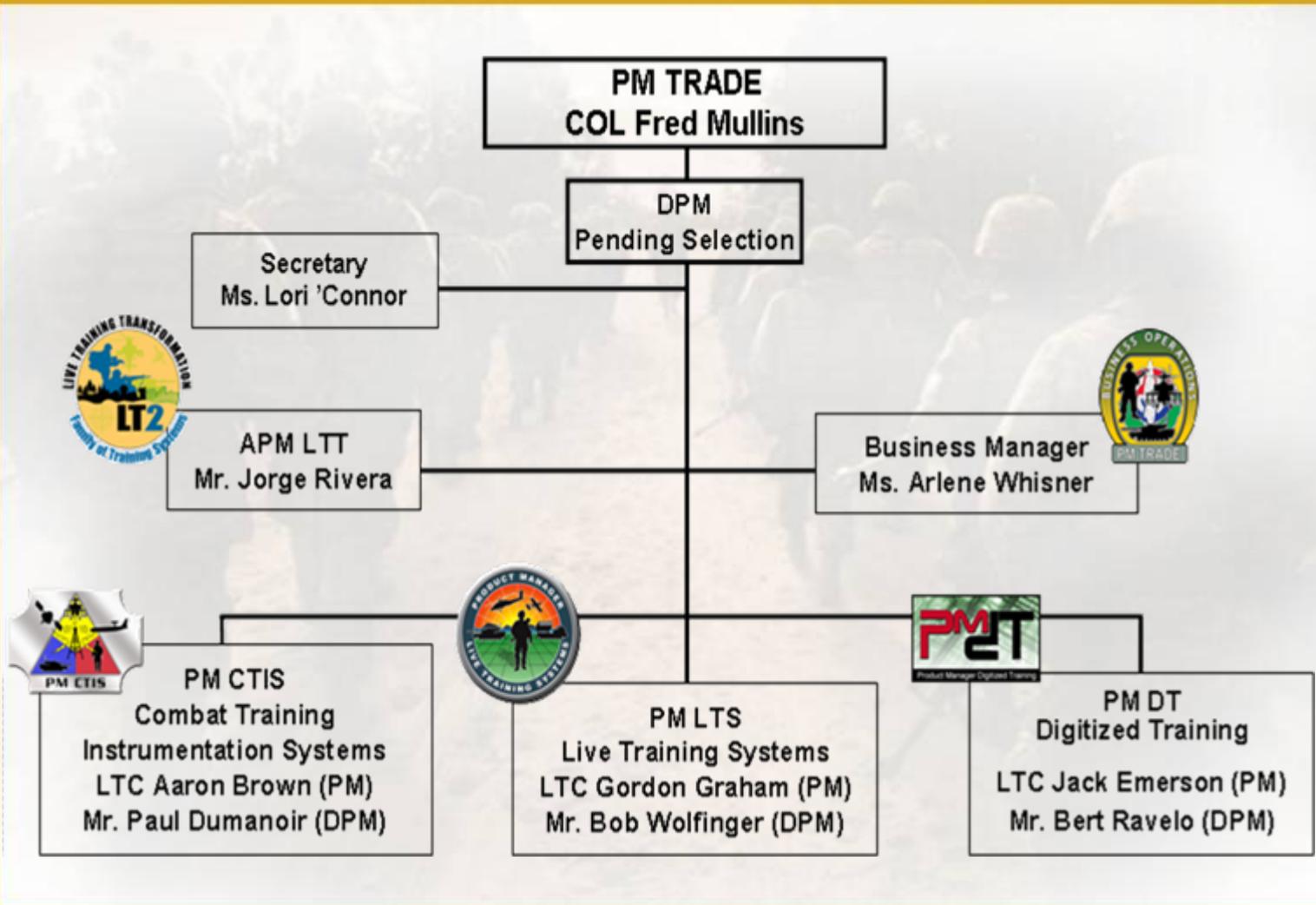


## Mission:

To develop, acquire, field, and sustain a family of *interoperable* Live training solutions for use at Homestation, Combat Training Centers, and deployed sites to improve Warfighter readiness in peace and war.

## Vision:

To be the premier provider of the best Live training solutions to the Warfighter



# PM TRADE Future Competitions



	<u>Program</u>	<u>Release RFP</u>	<u>Award Date</u>
<b>APM LT2</b>	CPM	2 <sup>nd</sup> Qtr FY 09	4 <sup>th</sup> Qtr FY 09
<b>PM CTIS</b>	HITS	4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10
	CTC-MOD	4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10
<b>PM DT</b>	CARTS	4 <sup>th</sup> Qtr FY 08	1 <sup>st</sup> Qtr FY 09
	IMTS	4 <sup>th</sup> Qtr FY 08	2 <sup>nd</sup> Qtr FY 09
	DRTS	4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10
<b>PM LTS</b>	W- IWS	1 <sup>st</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 09
	MILES-CD	2 <sup>nd</sup> Qtr FY 09	3 <sup>rd</sup> Qtr FY 09
	CREW 3	3 <sup>rd</sup> Qtr FY 09	4 <sup>th</sup> Qtr FY 09
	OneTESS	4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10
	MK-19 TES w/Geo Pairing	1 <sup>st</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 10
	WITS	1 <sup>st</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 10



# Consolidated Product-line Management (CPM)



## Description:

CPM contract will:

- ❑ Centrally execute evolution and sustainment of the Common Training Instrumentation Architecture (CTIA) and Live Training Transformation – Family of Training Systems (LT2-FTS) product line
  - Protect live training investment, support standardization enabling interoperability (LVC) and reuse
  - Reduce total product ownership costs
- ❑ Develop technology to support LT2 product line evolution
- ❑ Procure products integrating CTIA and LT2 components

### Acquisition Strategy

STOC II - Cost Plus/FFP

### Funding

RDTE/OPA FY10-FY15: \$100M+

### Point of Contact

Name: Mr. Jorge Rivera  
 Phone: (407) 384-3901  
 Email: [jorge.rivera2@us.army.mil](mailto:jorge.rivera2@us.army.mil)

### Milestones

2 <sup>nd</sup> Qtr FY 09	4 <sup>th</sup> Qtr FY 09
▲	▲
RFP Release	Contract Award

# PM TRADE Future Competitions



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# Homestation Instrumentation Training System (HITS)

## Description:

- ❑ Supports full spectrum Contemporary Operational Environment (COE) operations to include collective maneuver, Force-on-Force training for platoon through battalion units
- ❑ Captures position location and weapons effects data for real time exercise monitoring and After Action Review (AAR) capability.
- ❑ Aligns with Army Live Training Transformation (LT2) objectives
- ❑ Provides an integrated HITS:
  - 10 plus battalion sets fielded in FY10-15, 1 to 2 per year
    - Some fielding's are company only mixed with a battalion set in same year
  - Initial sustainment

<b>Acquisition Strategy</b>		<b>Funding</b>		
STOC II - FFP		OPA FY10-FY15: \$130.7M		
<b>Point of Contact</b>		<b>Milestones</b>		
Name: Mr. Mark Dasher Phone: (407) 384-5470 Email: mark.c.dasher@us.army.mil		<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">4<sup>th</sup> Qtr FY 09 ▲ RFP Release</td> <td style="text-align: center;">2<sup>nd</sup> Qtr FY 10 ▲ Contract Award</td> </tr> </table>	4 <sup>th</sup> Qtr FY 09 ▲ RFP Release	2 <sup>nd</sup> Qtr FY 10 ▲ Contract Award
4 <sup>th</sup> Qtr FY 09 ▲ RFP Release	2 <sup>nd</sup> Qtr FY 10 ▲ Contract Award			

# Combat Training Center Modernization (CTC Mod)



## Description:

Range Data Measurement System (RDMS) Upgrade will:

- Increase Player Unit tracking capability, range coverage, complies with Information Assurance and Spectrum Management requirements, provide network backbone required to host OneTESS while addressing reducing life-cycle sustainment and eliminating obsolescence
- Leverage the Army's future common training radio solution

Observer/Controllers Communication System (OCCS) Upgrade will:

- Provide a secure voice communications compliant with Land-Mobile Radio standard that meets Information Assurance and Spectrum Management requirements. System needs to be frequency programmable, be capable of monitoring and transmitting on single channel nets or call groups of multiple channels and interface with other radio nets such as MEDEVAC
- Leverage future common training radio solution

### Acquisition Strategy

Anticipated - STOC II - FFP

### Funding

RDMS: OPA FY10-FY15: \$144.3M

OCCS: OPA FY10-FY15: \$ 94.7M

### Point of Contact

Name: LTC Brown  
 Phone: (407) 384-5192  
 Email: aaron.m.brown@us.army.mil

### Milestones

4<sup>th</sup> Qtr FY 09



RFP  
Release

2<sup>nd</sup> Qtr FY 10



Contract  
Award

# PM TRADE Future Competitions



	<u>Program</u>	<u>Release RFP</u>	<u>Award Date</u>
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	OneTESS	4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10

# Common Army Ranges and Target Systems (CARTS)



## Description:

- ❑ Procure target systems/devices in support of ranges defined in Training Circular 25-8, titled Training Ranges, dated April 2004 and Training Circular 25-8-1, Army Special Operations Forces Training Ranges, dated September 2004.
  - Devices to support training ranges requirements include: target lifters, target representation forms, sound devices, illumination devices, olfactory simulators and non-contact hit sensors systems
  - Efforts include: hardware, software, devices, planning and design, applications and systems integration, prototyping, logistics, and technical support services

**NOTE:** This supersedes the previously issued Integrated Target Systems and Components (ITSC) Request For Proposal.

### Acquisition Strategy

Multiple ID/IQ Contracts for FY09-13 to support the procurement of the target system and devices.

### Funding

OPA FY09 – FY13: \$200-\$400M

### Point of Contact

Name: Randi Kahl  
Phone: (407) 384-5194  
Email: randi.kahl@us.army.mil

### Milestones

4 <sup>th</sup> Qtr FY 08	1 <sup>st</sup> Qtr FY 09
▲	▲
RFP Release	Contract Award

# Integrated MOUT Training Systems (IMTS)



## Description:

- ❑ Supports Urban Operations Home Station Training strategy
- ❑ IMTS is a fundamental element of the Combined Arms Training Strategy (CATS)
- ❑ Provides instrumentation for Combined Arms Collective Training Facility (CACTF), Live Fire Shoot House (LFSH), and Urban Assault Course (UAC)
  - Supports Army's training for Urban Operations from Individual through Battalion METL requirements (TC 90-1)
  - Satisfies all associated requirements in TC25-8
  - Provides fully digital After Action Review (AAR) with take home package capability
  - Provides US Army Infantry School approved simple reactive targets (HUTv2)



<b>Acquisition Strategy</b>	<b>Funding</b>
STOC II - FFP	OPA FY10-FY15: \$230M
<b>Point of Contact</b>	<b>Milestones</b>
Name: Dave Stewart Phone: (407) 384-3689 Email: dave.stewart1@us.army.mil	4 <sup>th</sup> Qtr FY 08      2 <sup>nd</sup> Qtr FY 09  RFP Release  Contract Award

# Digital Ranges Training System (DRTS)



## Description:

- ❑ Provides New & Modern Ranges with realistic, train-as-you-fight environment maximizing use of all available combat systems capabilities
- ❑ Provide individual, collective live-fire training and qualification per Training Circular 25-8 with an enhanced training data collection and After Action Review (AAR) capabilities
- ❑ Provides end - to - end instrumentation for the following type of ranges:
  - Digital Multi-Purpose Range Complex (DMPRC)
  - Digital Multi-Purpose Training Range (DMPTR)
  - Battle Area Complex (BAX)
  - Digital Air Ground Integration Range (DAGIR)



## Acquisition Strategy

STOC II - FFP

## Funding

OPA FY10-FY15 : \$250M

## Point of Contact

Name: Keith Dunson  
Phone: (407) 384-5379  
Email: keith.dunson@us.army.mil

## Milestones

4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10
▲	▲
RFP Release	Contract Award

# PM TRADE Future Competitions



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	WITS	1 <sup>st</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 10

# Wireless-Individual Weapons System (W-IWS)



## Description:

The purposes of this mission funded effort is to:

- New light-weight, low profile wireless design
- Replace existing Basic MILES devices previously fielded
- Usable with other worn gear (Body armor, NVG's, aiming lasers, etc.)
- Modular design significantly reduces production costs
- Modular, wireless design greatly reduces the costs for logistical support.
- Backwards compatible with legacy MILES devices
- Works alone or in an "instrumented" mode

### Acquisition Strategy

STOC II - FFP, T&M, Quantity Pricing, Option Lots

### Funding

OPA FY-FY14: \$50 - \$100M

### Point of Contact

Name: Dave Brunat  
 Phone: 407-384-5278  
 Email: david.brunat@us.army.mil

### Milestones

1 <sup>st</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 09	Dec 2009
▲	▲	▲
RFP Release	Contract Award	LRIP

# Multiple Integrated Laser Engagement System Controller Devices (MILES-CD)



## Description:

The purpose of the MILES Controller Devices program is to replace older program specific equipment that is used in the Army's force-on-force training exercises with devices that support multiple systems produced by a variety of vendors. Controller Devices include:

- Universal Controller Device (UCD)
- MILES Micro Controller Device (MCD)



## Acquisition Strategy

STOC II - FFP, T&M, Quantity Pricing, Option Lots

## Funding

~\$8M over multiple years

## Point of Contact

Name: Dave Mize  
Phone: 407-384-3661  
Email: [vincent.mize@us.army.mil](mailto:vincent.mize@us.army.mil)

## Milestones

2 <sup>nd</sup> Qtr FY 09	3 <sup>rd</sup> Qtr FY 09	Pending
▲ RFP Release	▲ Contract Award	▲ LRIP

# Counter Radio (Controlled Improvised Explosive Device) Electronic Warfare (CREW), Increment 3



## Description:

Counter Radio (Controlled Improvised Explosive Device) Electronic Warfare (CREW), Increment 3 training system program shall recreate the battlefield RF environment and emissions conditions of the 3.1 (dismounted) and 3.3 (mounted) CREW devices in a virtual environment thus relieving adherence to requirements imposed by the Federal Communications Commission (FCC) and the Federal Aviation Administration (FAA) for RF emissions.

### Acquisition Strategy

STOC II - FFP, T&M, Quantity Pricing, Option Lots

### Funding

OPA Total Contract Value: \$15M

### Point of Contact

Name: MAJ Frank Bridges  
Phone: 407-384-5321  
Email: [frank.bridges@us.army.mil](mailto:frank.bridges@us.army.mil)

### Milestones

3<sup>rd</sup> Qtr FY 09



Draft RFP

4<sup>th</sup> Qtr FY 09



Contract Award

# One Tactical Engagement Simulation Systems (OneTESS)



## Description:

One Tactical Engagement Simulation Systems will provide a live, combined arms Force-on-Force and Force-on-Target training and testing capability for Brigade Combat Teams at Combat Maneuver Training Centers, home station, and deployed sites. Also to be used in Operational Testing environment.



### Acquisition Strategy

STOC II - FFP

### Funding

OPA FY10-FY11: \$100 M  
RDT&E FY10-FY15: \$60M

### Point of Contact

Name: Michael Bergman  
Phone: 407-384-5222  
Email: michael.bergman@us.army.mil

### Milestones

4 <sup>th</sup> Qtr FY 09	4 <sup>th</sup> Qtr FY 09	2 <sup>nd</sup> Qtr FY 10
▲	▲	▲
Draft RFP	MSC	Contract Award

# MK-19 TES w/Geo Pairing



## Description:

The purposes of this support mission funded effort is to:

- Provide new and/or replacements to existing MK-19 Simulation Player Units (SPU) that are used in the Army's force-on-force training exercises with devices that provide better training fidelity for geo-pairing on instrumented ranges as well as laser base capabilities where available.
- Reduced MK-19 GB SPU life-cycle support costs.
- Spin-out OneTESS technologies into these training devices and sites.
- Provide a contractual vehicle for FMS, homeland defense or other services, as needed.



### Acquisition Strategy

STOC II - FFP, T&M, Quantity Pricing, Option Lots  
 Current Geometric Pairing Configuration for all CTCs, I-HITS, HITS, plus Recoil, Jamming, and Heads-Up Display

### Funding

OPA \$7.6M Total Contract Value

### Point of Contact

Name: Tom Alley  
 Phone: 407-384-9647  
 Email: [thomas.alley@us.army.mil](mailto:thomas.alley@us.army.mil)

### Milestones

1 <sup>st</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 10	Jun 2010
▲	▲	▲
RFP Release	Contract Award	LRIP



# Multiple Integrated Laser Engagement System Wireless Independent Target System (WITS)



## Description:

The purpose of the MILES WITS program is to provide real-time casualty effects during tactical engagement training in a Direct Fire, Force-on-Force instrumented training scenario.



## Acquisition Strategy

STOC II - FFP, T&M, Quantity Pricing,  
Option Lots

## Funding

~ \$32M over multiple years

## Point of Contact

Name: Dave Mize  
Phone: 407-384-3661  
Email: [vincent.mize@us.army.mil](mailto:vincent.mize@us.army.mil)

## Milestones

1 <sup>st</sup> Qtr FY 10	2 <sup>nd</sup> Qtr FY 10	Pending
▲	▲	▲
RFP Release	Contract Award	LRIP

# Objectives while PM TRADE



- Leadership and Management
- Full and Open Competition
- Clear, up-to-date and achievable requirements
- Improve communications with industry base
- Further enhance Live Tng Transformation & LVC capabilities
- Software development less than 18 months
- Digital Range Training System
- OneTESS
- MILES
- Single player unit radio
- Lower sustainment costs
- Educate industry on Information Assurance

# Information Assurance



- ❑ Information Assurance is not a product, it is the process instituted from the inception of a system or program to ensure secure and predictable operation
- ❑ Department of Defense, Army, and PEO STRI Policy states that a system must be certified and accredited before it can process DOD data
  - Regulations dictating Information Assurance requirements
    - DOD Information Assurance Certification and Accreditation Process (DIACAP)
    - DOD 8500.2
    - AR 25-2
    - PEO STRI Basic Accreditation Manual
- ❑ We plan to procure only products or systems that can be accredited

*A presentation on Information Assurance (Title: IA Presentation to Industry) has been posted on the LT2 Portal and can be downloaded at [www.lt2portal.org](http://www.lt2portal.org)*



PM TRADE



# PEO STRI

MISSION FIRST ★ PEOPLE ALWAYS

## ARMY STRONG.