



# NDIA ATE Meeting Army Report

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24 June 2009

# Agenda

- **Army FY10 PB**
- **Key Issues**
- **Army Test Equipment**
- **Wrap Up**

**Army FY10 PB**

# Army FY09 to FY10 Comparison Base Budget & OCO

Army Base Budget	FY09 to FY10
MILPER	+12.8%
O&M	+3.6%
Procurement	-4.9%
RDT&E	-12.9%
MILCON/FH	-17.9%
<b>Total</b>	<b>+2.3%</b>

Army Overseas Contingency Opns	FY09 to FY10
MILPER	-20.9%
O&M	+1.0%
Procurement	-29.6%
RDT&E	-85.7%
MILCON	-25.0%
Sec Forces Fund	+33.9%
JIEDD Fund	-57.1%
Pakistan COIN	+75.0%
<b>Total</b>	<b>-7.7%</b>

OCO reflects strategy shift to OEF

# Army FY09 to FY10 Comparison Procurement

Procurement \$B	FY09 to FY10
Aircraft	+21%
WTCV	-44%
Missiles	-34%
Ammunition	-8%
OPA 1 (Vehicles)	-30%
OPA 2 (COMEL)	-18%
OPA 3 (Spt Equip)	+9%
<b>Total</b>	<b>-14.5%</b>

Army most impacted service

# Army Unfunded Requirements

## Item

- Aviation Support Equipment
- Field Feeding
- Force XXI Battlefield Command Brigade & Below
- Info System Security COMSEC
- Liquid Logistics Storage & Distribution
- Mil SATCOM Global Broadcast System
- Movement Tracking System
- Standard Army Test Sets
- Army Test Infrastructure
- CROWS
- LRAS3
- Thermal Weapon Sight
- Large Vehicle Inspection System (Z-Backscatter)
- Intrusion Detection System
- Automated Installation Entry
- Army Knowledge On-Line
- Force Provider

**TOTAL UNFUNDED REQUIREMENTS ≈ \$1B**

# Army FY09 to FY10 Comparison

## RDTE

RDTE	FY09 to FY10
Basic Research	0.0%
Applied Research	-33.3%
Advance Tech Dev	-50.0%
Adv Comp Dev	-10.0%
SDD	-9.6%
Mgt Spt	-8.3%
Opnl Sys Dev	+11.8%
<b>Total</b>	<b>-13.7%</b>

# **Key Issues**

# Future Combat Systems

<b>Program:</b>	<b>Halted; FCS term dropped; awaiting ADM</b>
<b>LSI:</b>	<b>Role TBD</b>
<b>Class IV UAV:</b>	<b>TBD</b>
<b>MULE:</b>	<b>TBD</b>
<b>Class I UAV:</b>	<b>Spin-out</b>
<b>Small UGV:</b>	<b>Spin-out</b>
<b>NLOS-LS:</b>	<b>Spin-out</b>
<b>UGS:</b>	<b>Spin-out</b>
<b>SoSCOE / Battle Command / Applications</b>	<b>Will be merged with other efforts into a Unified Battle Command</b>
<b>Manned Ground Vehicles:</b>	<b>All 8 terminated</b>
<b>Medium Range Missile</b>	<b>Terminated</b>
<b>Active Protection System:</b>	<b>Terminated</b>

# Army Developing New BCT Modernization Plan

- **TRADOC developing:**
  - An affordable plan aimed at influencing the FY11 PB
  - An implementation for full spectrum, incremental modernization beginning in FY11
  - A CDD for new ground combat vehicles (GCV); initial fielding NLT 2016
  - A plan for networking the force in incremental capability sets
- **Supporting efforts**
  - Analysis and assessment of Capabilities Development for Rapid Transition (CDRT) recommendations, war time proven systems, and FCS technologies ready for acceleration -- to broaden the current Spin-out
  - Evaluation of Irregular Warfare enabling capabilities and recommendations on which ones should be organic
  - Modifications of existing requirements documents
  - Recommendations on options for BCT motorized augmentation using MRAP; MRAP inclusion in Tactical Wheel Vehicle modernization strategy
  - Assessment of HBCT, IBCT, and SBCT force designs and AC force mix
  - Development of operational concepts

**GCV Likely to Replace Bradley Family; Modest Abrams Mod Expected,  
Fewer HBCT, More Stryker BCT**

# **Army Test Equipment**

# Current ATS Policy

**IFTE NGATS fills both an Operational Requirement and Implements DoD, HQDA & ASA(ALT) Policy for Automatic Test Systems**



## **Satisfies GAO Report on Automatic Test Equipment**

GAO issued a report in Mar 03 (GAO-03-451) on how DoD needs to Better Manage Automatic Test Equipment Modernization. *"...limited progress in achieving compliance across all the services with DoD Policy advocating the development of common systems"*

## **Implements Current USD approved DoD ATS Policy**

USD Memorandum dtd 28 Jul 04 designates IFTE as the single DoD approved Army ATS Family in response to GAO Audit 03-451 *"Military Readiness; DoD Needs to Better Manage Automatic Test Equipment Modernization"*

## **Complies with Current ASA(ALT) ATS Policy**

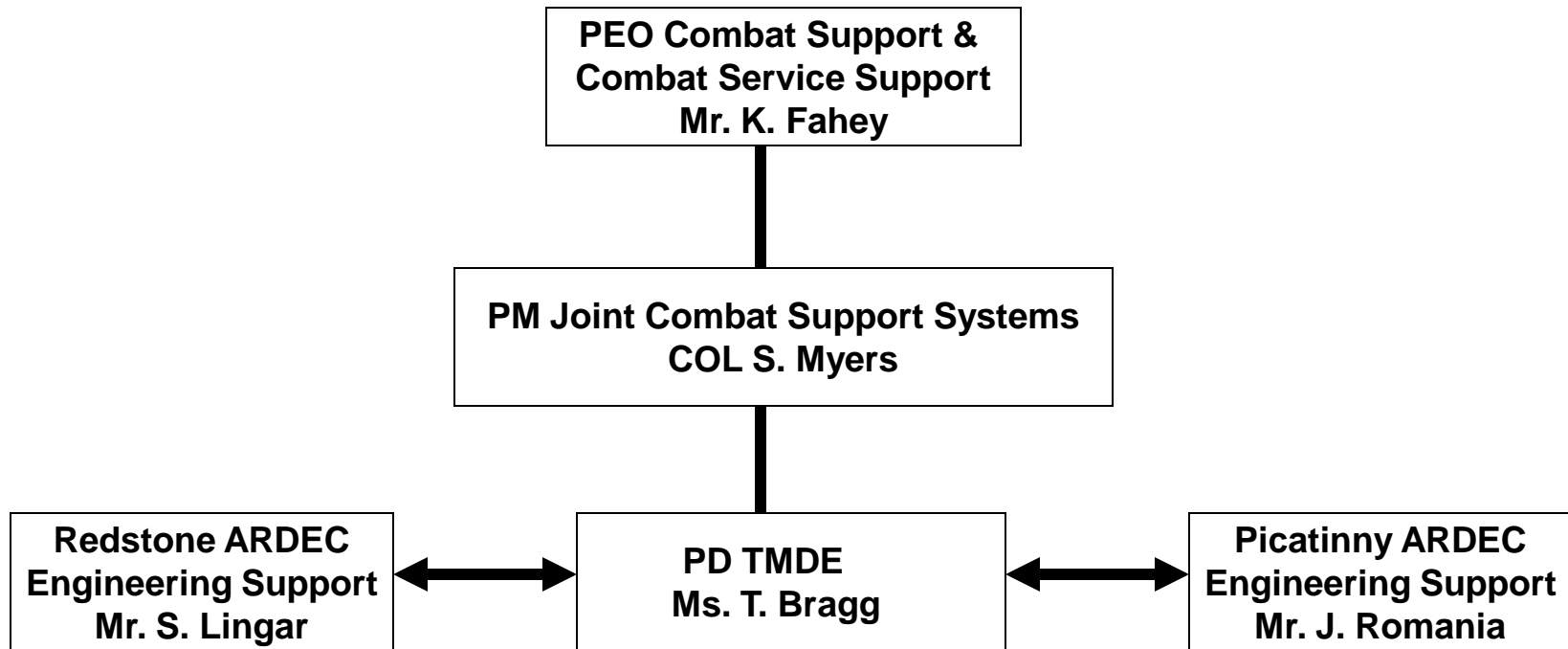
The ASA(ALT) issued compliance memo dtd 22 Oct 04 in support of DoD ATS policy statement

## **Complies with AR 750-43**

DA regulation that implements service policy and **specifically designates IFTE as the Single preferred ATS in the Army**

**DoD Policy is Driving to a Single ATE Solution**

# ARMY TMDE Organization



# TMDE Overview

**Maintenance Support Device**

**Next Generation Automatic Test Station**

**TMDE Modernization Program**

**Calibration Sets**



Used by all weapon systems maintainers at field and sustainment levels to perform At-Platform maintenance.



Supports repair of Line Replaceable Modules at field and sustainment levels for multiple weapon systems.



Provides field and sustainment level testing of weapon systems operational tolerances.



Performs sustainment level calibration / quality assurance for General Purpose Electronic Test Equipment that supports weapon systems.

*Innovation for Today and Tomorrow's Expeditionary Forces*



*Serving "Our Army at War -- Relevant and Ready"*



# At-Platform Automatic Test Systems (APATS) Overview



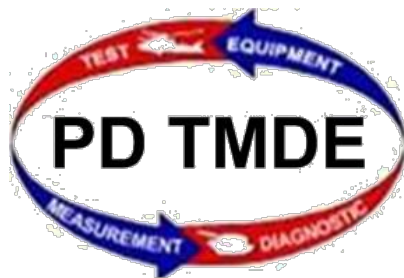
**Maintenance Support Device - Version 2 (MSD-V2)** is the current at-platform general-purpose automatic test system supporting diagnostic requirements of current/future forces.



**Internal Combustion Engine (ICE)**  
Provides at-platform automatic test diagnostic interface between MSD-V2 and current/future tactical vehicles.



**Internal Combustion Engine (ICE) software** is Government owned software used at-platform by maintainers to perform weapon system diagnostics and repair.



24 June 2009

*Innovation for Today and Tomorrow's Expeditionary Forces*

# IFTE Next Generation Automatic Test Station (NGATS)



## Description:

- Highly Mobile
- Rapidly Deployable
- General Purpose and Reconfigurable
- Next Generation Automatic Test Station which Directly Supports Testing/Screening of Army Weapon Systems to Maintain Their Readiness to Shoot, Move & Communicate

## Status:

- DT/OT Completed Q4 CY 2008
- Milestone "C" Approved 26 May 2009
- LRIP Contract Q4 FY 2009
- FUE Q3 FY 2011

## Fielding Objective:

- Replace Obsolete Legacy ATE
  - DSESTS
  - IFTE V3 & V5

# NGATS Status

- **DT/OT Completed Q4 CY 2008**
- **OT Assessment Report January 2009**
- **NGATS Approved Nomenclature Q1 CY 2009**
  - **AN/TSM-217 Mounted Configuration**
  - **AN/USM-723 Dismounted Configuration**
- **PEO Milestone “C” Decision 26 May 2009**
- **LRIP Initial Award Expected August/September 2009**
- **HBCT 140 TPS Re-Host Completion by Q4 CY2010**
- **FY10 - FY15 POMD for ~250 Systems Consisting of:**
  - **IFTE NGATS**
  - **Ancillary Equipment & Government Administration**

# Army Wrap Up

- Iraq drawdown and modest Afghan surge driving continuing decline
- Procurement (-14%) largest drop (base + OCO) of all Services
- Aviation remains robust (largest increase +21%)
- Major effort underway to re-state ground maneuver force requirements
  - Current combat vehicle fleet will be replaced slowly
  - Expect major force structure changes that will change the # of BCTs
- Army Test Equipment funding very good
- NGATS in production; funding supports acquisition schedule