

Targets Management Office



Purpose:

**Provide NDIA Symposium An
Overview Of
U.S. Army, PEO STRI, PM ITTS
TMO Activities**

10 Oct 2008

**Briefed by: Mr. Al Brown
TMO Director, PMITTS, PEO STRI
256-876-4077 DSN: 746-4077
e-mail: alvin.brown@us.army.mil**





Targets Management Office



False Impression Caveat

It should be explicitly noted that the U.S. Government makes no official commitment nor obligation to provide any additional detailed information or an agreement of sale on any of the systems/capabilities portrayed during this presentation that have not been authorized for release.



Targets Management Office



OUTLINE

- Who We Are
- Mission
- Activities
- Organization (Tie-in with Testing & Training)
- Recently Developed Products
- Future Efforts
- Summary

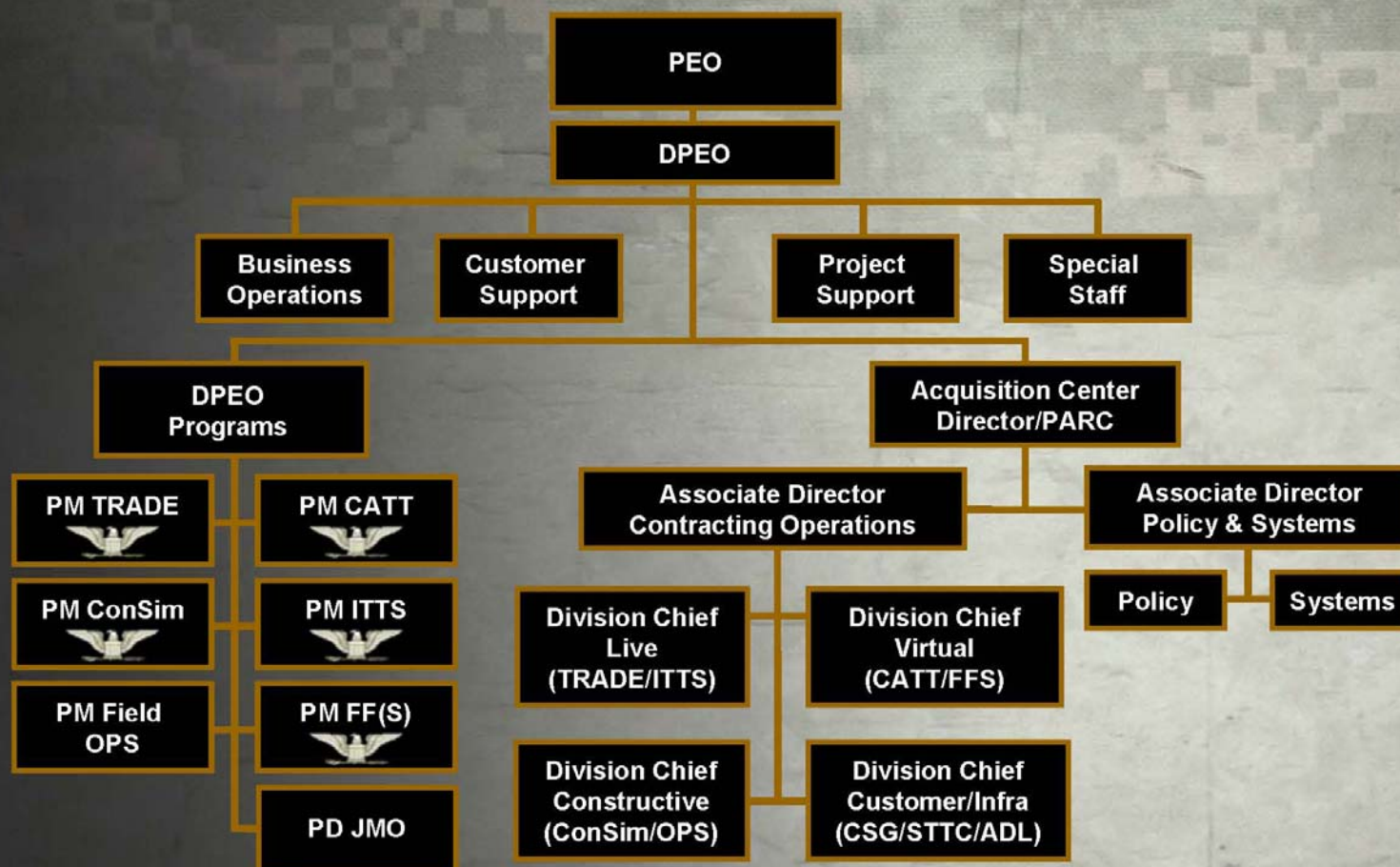


Targets Management Office



PROGRAM EXECUTIVE OFFICE FOR SIMULATION, TRAINING, & INSTRUMENTATION

PEO STRI Organization





Targets Management Office



PM ITTS Mission

Manage the acquisition of optimized Instrumentation, Target and Threat & Foreign System products and services in support of U.S. Army, Department of Defense, Government, Industrial, and International Customers, and execute non traditional missions as assigned or directed by the PEO.





Targets Management Office



Organization & Functions

- **Function**
 - Develop devices that detect, measure, record, transmit, & process data
- **Type Testing/Training Supported**
 - Developmental Testing (DT)
 - Operational Testing (OT)
- **Major Customer Supported**
 - ATEC (DTC, OTC), DoD, & Combat System PM's

- **Function**
 - Develops, operates, & supports Aerial & Ground targets
- **Type Testing/Training Supported**
 - Customer Testing, DT, OT, Live Training, & FMS
- **Major Customer Supported**
 - ATEC (DTC, OTC), DoD, Combat System PM's, & FMS

- **Function**
 - Develops, operates, & supports threat representative systems
- **Type Testing/Training Supported**
 - DT, OT, Training, & FMS
- **Major Customer Supported**
 - ATEC (DTC, OTC), DoD, Combat System PM's, & FMS

**Director
Instrumentation
Management
Office**

**Director
Targets
Management
Office**

**Director
Threat
Systems
Management
Office**



**PM
ITTS**



Live Virtual and Constructive!



Targets Management Office



PM ITTS

COL David E. Lockhart
Project Manager for Instrumentation, Targets,
and Threat Simulators
ATTN: SFAE-STRI-PMITTS
12350 Research Parkway, Orlando, FL 32826-3276
(407) 384-5250 DSN 970-5250
email: david.lockhart@us.army.mil
DPM: Mr. Jerry Sirmans
(407) 384-5251 DSN 970-5251
email: jerry.sirmans@us.army.mil

IMO

Mr. J. Russell Longenbach
Instrumentation Mgmt Office
ATTN: SFAE-STRI-PMITTS-I
12350 Research Parkway
Orlando, FL 32826-3276
(407) 384-5230 / DSN 970-5230
e-mail:
J.Russ.Longenbach@us.army.mil



TMO

Mr. Al Brown
Targets Mgmt Office
ATTN: SFAE-STRI-PMITTS-Q
Redstone Arsenal, AL 35898-7458
(256) 876-4077/7764
DSN 746-4077/7764
e-mail:
Alvin.Brown@us.army.mil



TSMO

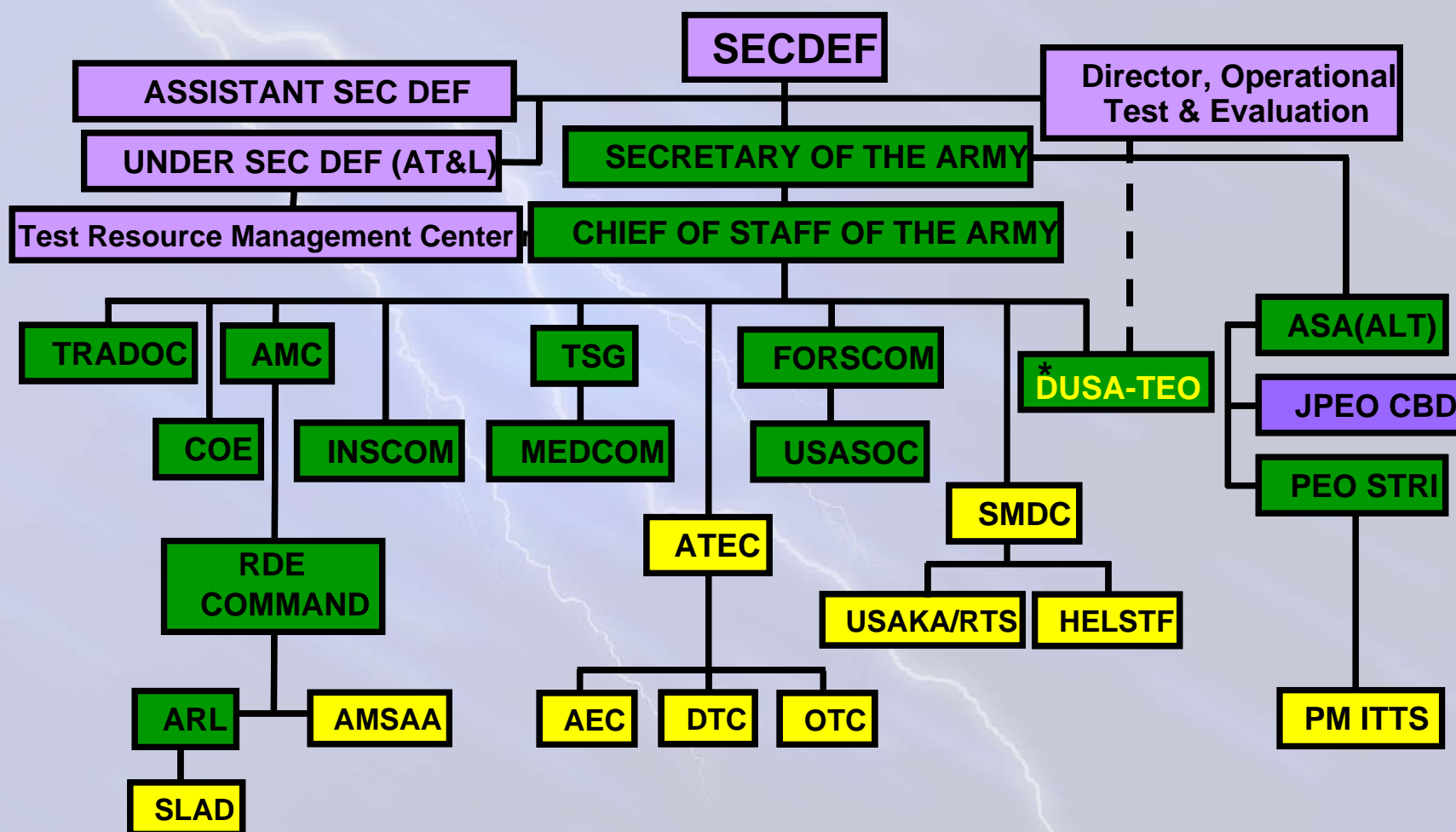
Mr. Mark C. Tutten
Threat Systems Mgmt Office
ATTN: SFAE-STRI-PMITTS-S
Redstone Arsenal, AL 35898-4761
(256) 876-9656 x200
DSN 746-9656 x200
email:
Mark.Tutten@us.army.mil



Visit our website at <http://www.peostri.army.mil/PM-ITTS>



Targets Management Office





Targets Management Office



TMO MISSION

- **MANAGE THE LIFE CYCLE OF TARGETS, OPERATIONAL THREAT VEHICLES, TARGET CONTROL SYSTEMS AND GROUND RANGE SYSTEMS USED IN LIVE AND VIRTUAL TESTING, AND TRAINING.**
- **PROVIDE BEST VALUE ACQUISITION, SUPERIOR LIFE CYCLE SUSTAINMENT AND OPERATION FOR THE U.S. ARMY AND INTERNATIONAL CUSTOMERS.**
- **EXECUTE MISSIONS AS ASSIGNED OR DIRECTED BY PEO STRI AND PM ITTS.**



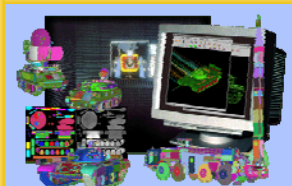
Targets Management Office

PRIMARY ACTIVITIES



Based on Customer Target Requirements

- Aerial – Fixed and Rotary Wing
 - “Real Deal Steel”
 - Surrogates
- Virtual – Models and Simulations
- Precision Targetry Systems
- Auxiliary / Ancillary Equipment

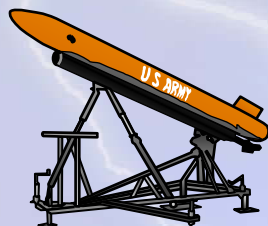




Targets Management Office



WHAT WE DO



Develop products

Buy products



AND we

- Fly 'em
- Drive 'em
- Fix 'em





Targets Management Office



Aerial Targets

take your
BEST SHOT



- Turnkey Operations
- Target systems flight services supporting Army and Tri-service test and training and FMS requirements
- Low Cost

*Aerial Target Flight Services

Simulate Aerial Threats World-Wide in Live and Virtual Domains



Targets Management Office



Mobile Ground Targets

take your
BEST SHOT



ACTUALS



T-80UD



SMERCH



T-72



BMP-2



BTR-80

Yuma Test Center

White Sands Missile Range

SURROGATES



Low Cost Mover



BMP3-S

Redstone Technical Test Center

Elgin AFB



TVST



REMET



SMERCH

Aberdeen Test Center

Centrally Manage and Execute:

- Over 340 assets
- Mobile Ground Targets for development and operational testing
- Multiple usage options:
 - Rent
 - Lease
 - Buy

Range Targetry

- Design
- Procurement
- Fielding
- Support



Threat Representative Targets in Live and Virtual Domains



Targets Management Office

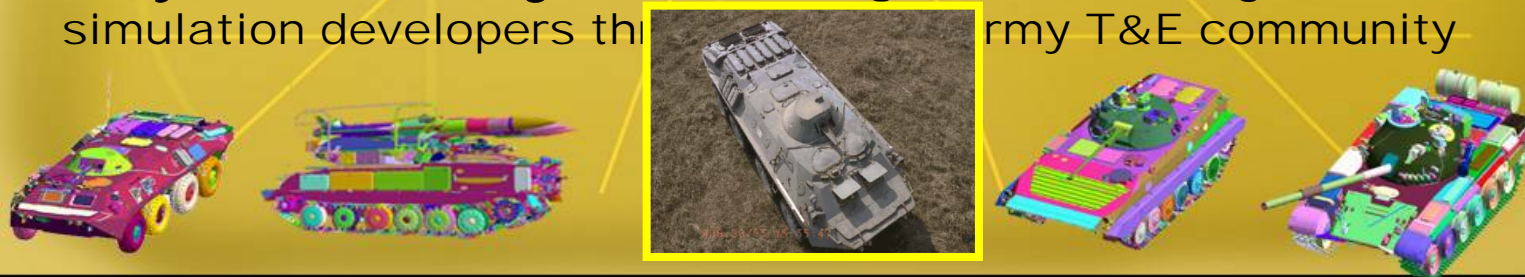


Virtual Targets Program

take your
BEST SHOT



- *Virtual Targets Project*: Building simulation target models capable of being used in synthetic signature prediction analysis software programs
- *Target Generation Laboratory*: Transitioning CAD models into simulation compliant visual, infrared, and radar frequency simulation target models
- *Army Model Exchange*: Distributing simulation target models to simulation developers throughout the Army T&E community



**3 Interrelated Components
Supporting M&S for T&E**



Targets Management Office



Air Defense Artillery Targets

take your
BEST SHOT



Provides aerial target and scoring support for Air and Missile Defense (AMD) units requiring home-station training in accordance with DA PAM 350-38, Standards in Training Commission (STRAC) requirements and National Training Center (NTC) support.

- Contractor Operational Teams
- Deployable worldwide
- Very low cost for training & testing





Targets Management Office

What we have developed recently

Low Cost Movers



Threat Vehicle
Surrogate Targets



Virtual Targets



UAS-Ts



JCHAAT



Targets Management Office



Things we plan to develop/purchase in the next five years

Medium Speed Aerial Targets

Precision Targets



RPVTs



Fully Mission Capable Threat Targets

Looking at
technology areas to
enhance current
capabilities



Rotary Wing Targets



Targets Management Office



An Individual Product we plan to develop/purchase during the next five years

Precision Targets



Develop state-of-art signature technologies and applications for use on existing targetry or new targetry development efforts to support Army requirements.

Develop concepts that:

- Minimize cost
- Maximize signature fidelity – visual and thermal
- Minimize logistic requirements – reduce handling cost, easily transportable, easy to assemble, recyclable
- Maximize utility – adaptable to CCD&O technologies



Targets Management Office



An Individual Product we plan to develop/purchase during the next five years

Fully Mission Capable Threat Ground Targets



Acquire and field fully mission capable latest version, Foreign Threat Mobile Ground Targets (MTB, IFV, and APC) to meet emerging requirements for threat representative missions.

Capabilities will include:

- Operational Turrets
- Communications
- Shoot-back capability
- Operational Sights
- Smoke (VEESS, launchers)
- Ancilliary Equip



Targets Management Office



An Individual Product we plan to develop/purchase during the next five years

Remotely Piloted Vehicle Targets



Provide targets with ancillary devices and contractor support services for STRAC mandated live-fire crew gunnery weapon qualifications and missile engagement events.

Government Owned/Contractor Operated Aircraft.



Targets Management Office



An Individual Product we plan to develop/purchase during the next five years

Medium Speed Aerial Target



Acquire a drone that meets users' requirements that are below those of the MQM-107.

Develop concepts that:

- Minimize life-cycle cost
- Minimize logistic requirements – reduce handling cost, easily transportable, easy to ready for flight
- Maximize utility – meet many users needs that currently are using higher cost drone



Targets Management Office



An Individual Product we plan to develop/purchase during the next five years

Rotary Wing Targets

**Most Likely
Not This**



present realistic, threat representative, helicopter targets for use by Test and Evaluation and by Training groups worldwide.



Targets Management Office



SUMMARY

TMO:

- ALWAYS LOOKING FOR A BETTER, FASTER, CHEAPER PRODUCT FOR OUR CUSTOMERS
- RECOGNIZED LEADER OF AERIAL AND GROUND TARGETS
- READY TO RESPONSIVELY AND RESPONSIBLY SUPPORT T&E AND SPECIAL TRAINING REQUIREMENTS

NEED INDUSTRY TO CONTINUE PROVIDING STATE OF THE ART TECHNOLOGIES FOR ADAPTATION AND INCORPORATION INTO TARGETRY



Targets Management Office



Targets Management Office

take your
BEST SHOT



Providing/Operating Aerial, Ground and Virtual Targets.