



# Targets Management Office

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



Briefed by: Mr. Stephen G. Milburn  
TMO Director  
256-876-4077 DSN: 746-4077  
e-mail: [stephen.milburn@us.army.mil](mailto:stephen.milburn@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

## Video



# Targets Management Office

## OUTLINE

- **Mission/Activities**
- **Targets Reliance Concept**
- **Customer Base**
- **Organization**
- **Live Targets Programs**
  - **Aerial Projects**
  - **Ground Projects**
  - **Range Systems Projects**
- **Virtual Targets Program**
- **Future Efforts**
- **Summary**

# Targets Management Office

## TMO MISSION

Manage the **Life Cycle Acquisition**  
of :

Technically Optimized,  
**Interoperable and Adaptable** Targets,  
Target Control Systems and  
Ground Range Systems  
*used in:*

**Live and Virtual** Testing,  
Training, and  
Mission Rehearsal Environments,  
*providing:*

**Best Value** Procurement,  
Superior Life Cycle **Sustainment and Operation**  
when required, for The U.S. Army Transformation, Future  
Forces, Joint Services, Allied Clients and  
Governmental Agencies

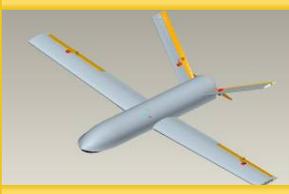
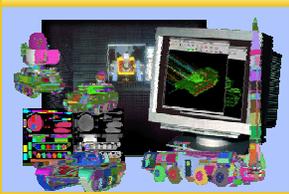
**A Mission Directly Linked to the PEO and PM Missions**

# Targets Management Office

## PRIMARY ACTIVITIES

Based on customer target requirements

- Aerial – Fixed and Rotary Wing
- Mobile Ground / Foreign Materiel
- Virtual – Models and Simulations
- Ground Range Targetry Systems
- Auxiliary / Ancillary Equipment



# Targets Management Office

## RELIANCE



# Targets Management Office

## CUSTOMERS

### TEST COMMUNITY

#### Weapon System Developers

- PEOs/PMs
- AMCOM
- TACOM
- USMC
- USAF
- Navy
- MDA

#### Test Agencies/Ranges

- ATEC
- AFOTEC
- Eglin AFB
- China Lake
- Redstone
- WSMR
- YTC
- Pt. Mugu
- Edwards AFB
- ATC
- MCOTEA

#### Labs and RDECs

- Armament RDEC
- Army Research Lab
- Aviation & Missile RDEC

### TRAINING COMMUNITY

#### Major Commands

- FORSCOM
- EUSA
- TRADOC
- USARPAC
- USAREUR

#### Army National Guard

#### Army Schools/Combat Training Centers

- Armor
- Field Artillery
- Aviation
- Infantry
- NTC
- JRTC
- CTC
- Air Defense Artillery

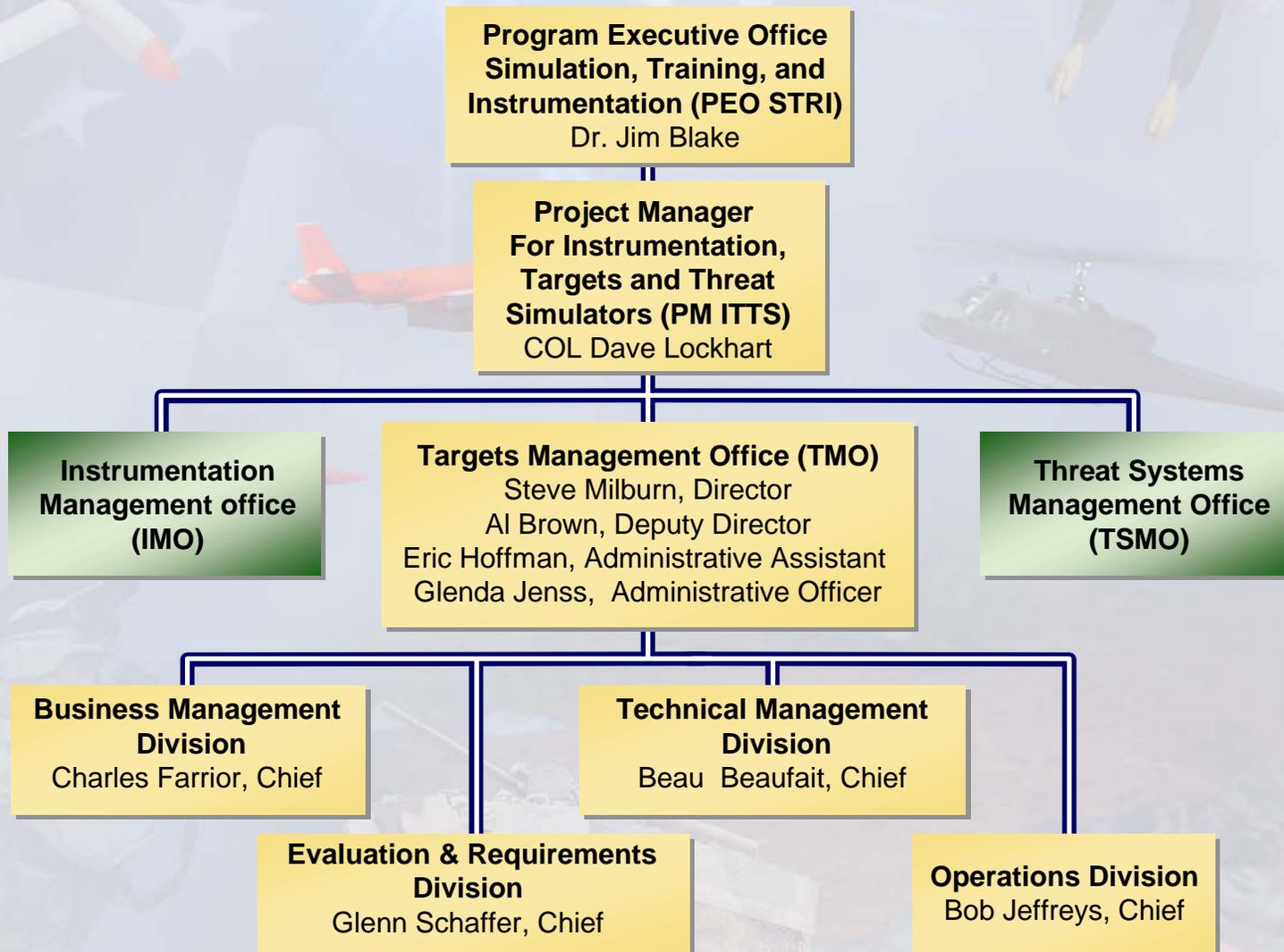
#### Government Ranges

- Ft. Bliss
- Ft. Irwin
- Ft. Campbell
- Ft. Polk
- Ft. Hood
- Ft. Lewis/Yakima
- Ft. Drum

### FMS Customers

- Denmark
- Japan
- Netherlands
- Taiwan
- Egypt
- Jordan
- Norway
- Tunisia
- Germany
- Korea
- Portugal
- Turkey
- Israel
- Kuwait
- Saudi Arabia
- Italy
- Morocco
- Switzerland

# Targets Management Office ORGANIZATION



# Targets Management Office

## PM ITTS

COL David E. Lockhart

6 April 2006

Project Manager  
Instrumentation, Targets and  
Threat Simulators



# Targets Management Office

## ARMY TARGETS PROGRAM



Aerial



Ground



Virtual

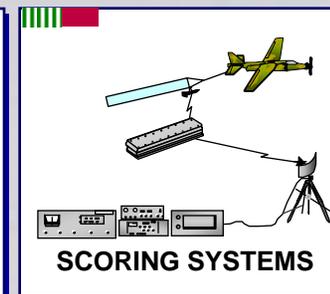
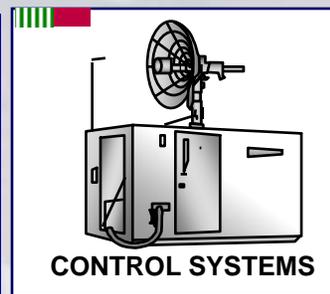
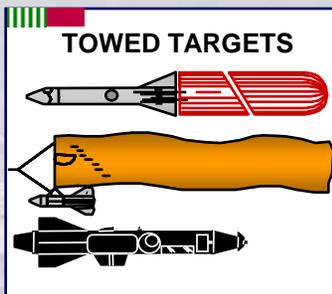
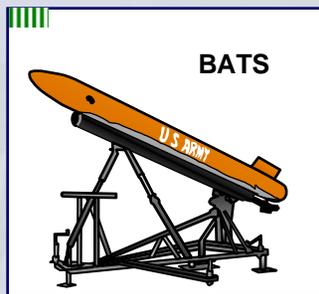
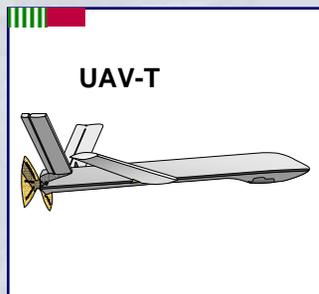
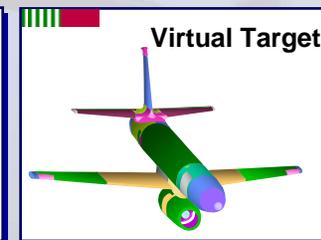
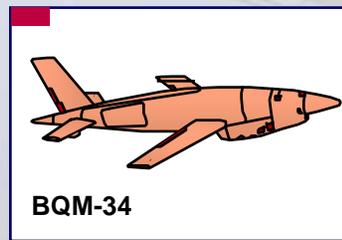
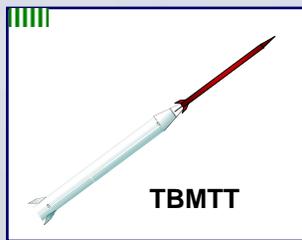
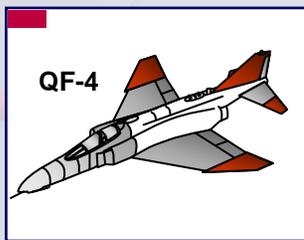
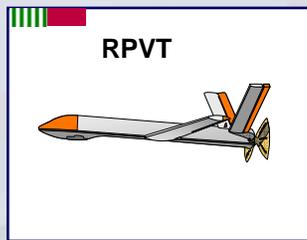
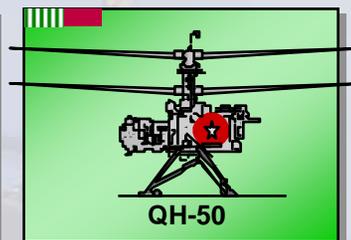
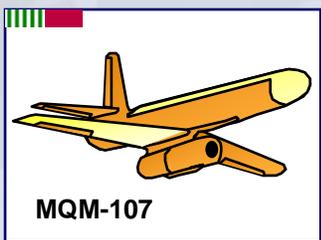


**Serving  
Requirements in  
All 3 Domains!**

# Targets Management Office

## AERIAL TARGETS

### Rotary Wing Reliance Lead



Use: Training

T&E

## TOWED TARGETS

### Reliance Lead

- Primary supplier of towed targets
- Providing:
  - Inexpensive
  - reliable
  - realistic target
  - for both destructive and non-destructive testing
- A broad range of Radar Cross Section (RCS), Infrared (IR), and visual type tow targets are currently available



# Targets Management Office

## MOBILE GROUND TARGETS

### Reliance Lead

#### Surrogate Targets



#### Foreign Fleet



# Targets Management Office

## RANGE TARGET SYSTEMS

### Deployable Ranges



Designed to bring range capabilities to the soldiers.

### Precision Scoring



Technology that provides efficient marksmanship training.

# Targets Management Office

## VIRTUAL TARGETS CENTER

The **Virtual Targets Center** is a collaborative effort of AMC's RDEC System Simulation Development Division and the PEO STRI's PM ITTS.

**Target Generation  
Laboratory**  
Makes it happen

**Virtual Targets Center**  
On Web

<http://modelexchange.army.mil>



# Targets Management Office

## OPERATIONS DIVISION

### What we do

Develop products



Buy products



AND we



Fly 'em



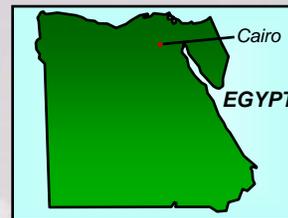
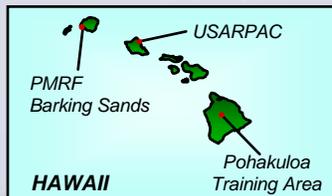
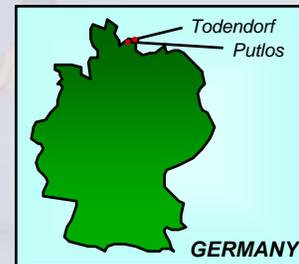
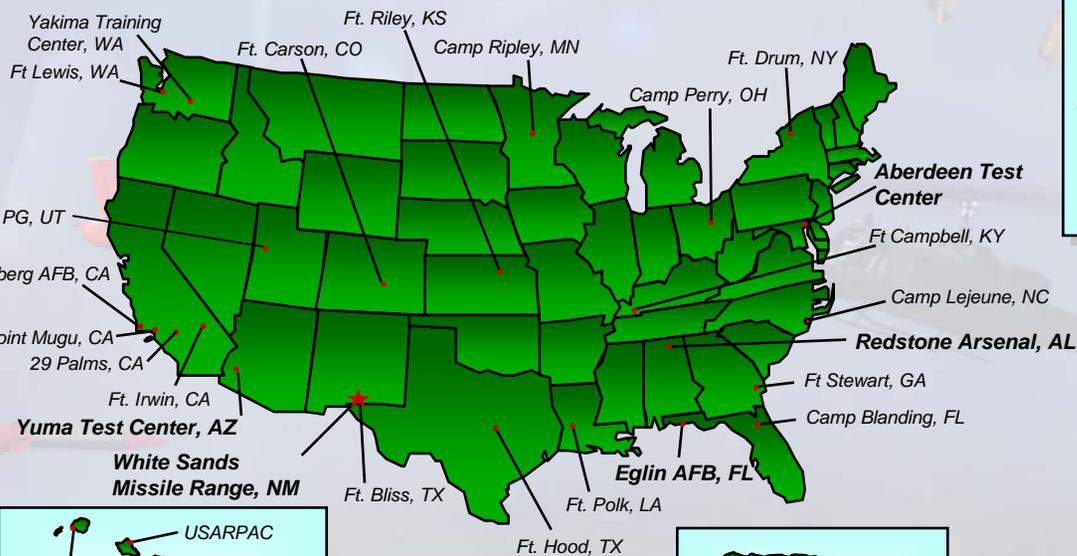
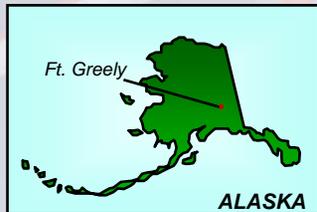
Drive 'em



Fix 'em

# Targets Management Office

## WORLD WIDE OPERATIONS



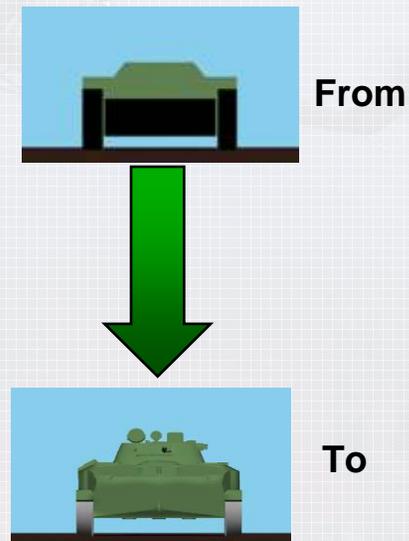
## *FUTURE EFFORTS*

- Low Cost Mover
- Sub-Scale Fixed Wing High Capability Target
- Low Cost, Medium Speed Sub-Scale Aerial Target Capability
- Range Technology Applications
  - Bullet Sensing
  - IR Targets
  - 2 ½ & 3 Dimensional Plastic Replications
- Support to FCS Testing and Training

# Targets Management Office FOR EXAMPLE

## INFRARED TARGETS

- *Purpose:*
  - Replace current technology plywood silhouettes with more realistic IR Target presentations at similar or reduced costs
- *Overview:*
  - Develop Innovative IR Target Design & Development Process for Use in the Production of Range Targets.
  - Solutions/Products are available to everyone
    - **TACOM-RI**
    - **TRADE**
    - **Marines**
    - **Navy**
    - **USAF**



## SUMMARY

### ***TMO:***

- **FOCUSED ON THE WARFIGHTER, BEFORE, DURING AND AFTER THE FIGHT**
- **JOINT DEVELOPMENT & COORDINATION CROSSES ALL OF OUR PRODUCT LINES**
- **RECOGNIZES THAT “EVERYTHING” IS SOMEONE’S TARGET**
- **RECOGNIZE DEFENSE RESOURCES ARE TIGHT FOR TARGETS**
- **READY TO RESPONSIVELY AND RESPONSIBLY SUPPORT T&E AND SPECIAL TRAINING REQUIREMENTS (BOTH DOMESTIC AND ALLIED)**

**“WE HELP YOU MAKE YOUR BEST SHOT!”**

***BACK-UPS***

# Targets Management Office

## ACROYNM LIST

AFB	Air Force Base
AFOTEC	Air Force Operational Test and Evaluation
AMC's	Army Materiel Command
AMCOM	Aviation and Missile Command
AMRDEC	Aviation and Missile Research, Development and Engineering
ATC	Aberdeen Test Center
ATEC	Army Test and Evaluation Command
BATS	Ballistic Aerial Target System
CTC	Combat Training Center
EUSA	Eighth U.S. Army
FCS	Future Combat System
FORSCOM	United States Army Forces Command
IMO	Instrumentation Management Office
IR	Infrared
JRTC	Joint Readiness Training Center
MCOTEA	US Marine Corps Operational Test and Evaluation Agency
MDA	Missile Defense Agency
NTC	National Training Center
PEO STRI	Program Executive Office Simulation, Training and Instrumentation
PEOs/PM	Program Executive Officer/Project Manager

# Targets Management Office

## ACROYNM LIST (cont'd)

PM ITTS	Project Manager for Instrumentation Targets and Threat Simulators
POC	Primary Operating Centers
RCS	Radar Cross Section
RDEC	Research, Development, and Engineering Center
RPVT	Remotely Piloted Vehicle Targets
T&E	Test and Evaluation
TACOM	U.S. Army Tank-Automotive Command
TACOM-R	U.S. Army Tank-Automotive Command - Rock Island
TBM TT	Tactical Ballistic Missile Training Target
TMO	Targets Management Office
TRADE	Training Devices
TRADOC	U.S. Army Training and Doctrine Command
TSMO	Threat Systems Management Office
U.S.	United States
UAV-T	Unmanned Aerial Vehicle-Target
USAF	United States Air Force
USAREUR	United States Army, Europe
USARPAC	United States Army, Pacific
USMC	United States Marine Corp
WSMR	White Sands Missile Range
YTC	Yuma Test Center