Purpose:

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

Briefed by:
Mr. Bruce Truog
TMO Deputy Director, PMITTS, PEO STRI
256-842-6421 DSN: 788-6421
e-mail: bruce.truog@us.army.mil
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.
• Who We Are
• Mission
• Activities
• Organization (Tie-in with Testing & Training)
• Recently Developed Products
• Future Efforts
• Summary
TMO MISSION

• MANAGE TOTAL 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, DoD AND INTERNATIONAL CUSTOMER.

• EXECUTE MISSIONS AS ASSIGNED OR DIRECTED BY PEO STRI AND PM ITTS.
PRIMARY ACTIVITIES

Based on Customer Target Requirements

- Aerial – Fixed and Rotary Wing
- Mobile Ground / Foreign Materiel (both conventional and unconventional)
  - “Real Deal Steel”
  - Surrogates
- Virtual – Models and Simulations
- Precision Targetry Systems
- Auxiliary / Ancillary Equipment
WHAT WE DO

Develop products

Buy products

AND we

Fly

Drive

Sustain
AERIAL TARGETS

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

*ATFS

* Aerial Target Flight Services

Simulate Aerial Threats World-Wide in Live and Virtual Domains
MOBILE GROUND TARGETS

Centrally Manage and Execute:
- 250 active assets
- Mobile Ground Targets for development and operational testing
- Multiple usage options:
  - Rent
  - Lease
  - Buy
- Provide accreditation support

Threat Representative Targets in Live and Virtual Domains
VIRTUAL TARGETS

• 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
WHAT WE HAVE DEVELOPED/ PURCHASED RECENTLY

Precision Target Signature

ZSU-23-4

BTR-80

T-72

BMP-3

Boomer

BTR-80

Virtual Targets
FIVE YEAR FORECAST TO DEVELOP/PURCHASE

Precision Targets – Mobility/RCS

Medium Speed Aerial Targets

High Speed Aerial Targets

Mannequin IR

Looking at technology areas to enhance current capabilities

Fully Mission Capable Threat Targets

Technical Vehicle w/crew representation

SCUD-B Virtual Target

Common Control System
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
PROVIDING/OPERATING AERIAL, GROUND & VIRTUAL TARGETS