



Purpose:

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

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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.



OUTLINE



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

ORGANIZATION

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



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



MQM-107



Virtual Targets



Precision Targetry System



UAS-T



BTR-80



QUH-1



T-72



Technical Vehicle



Towed Target



MSAT



BMP-2



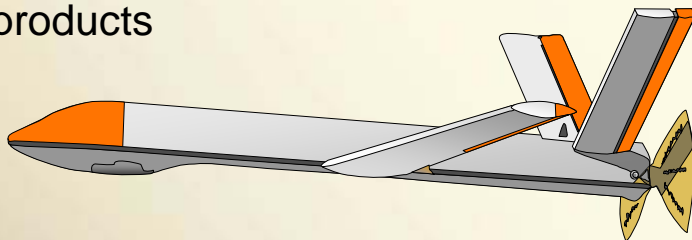
RPVT



WHAT WE DO



Develop products



Buy products



AND we



Fly



Drive



Sustain



AERIAL TARGETS



Remote Piloted Vehicle Target



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

Towed Targets



*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

Range Targetry

- Design
- Procurement
- Fielding
- 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



BMP-3



T-72



Boomer



Virtual Targets



BTR-80



FIVE YEAR FORECAST TO DEVELOP/PURCHASE



Medium Speed Aerial Targets

Precision Targets –
Mobility/RCS



High Speed Aerial Targets



Mannequin IR



SCUD-B Virtual Target



Fully Mission Capable
Threat Targets



Technical Vehicle w/crew
representation



Common Control System



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



PROVIDING/OPERATING AERIAL, GROUND & VIRTUAL TARGETS

AERIAL TARGETS



VIRTUAL TARGETS



GROUND TARGETS

