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T&E Instrumentation Infrastructure – Maximum Utilization of Available Resources Session

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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 or capabilities portrayed during this presentation that have not been authorized for release.
• Who We Are
• Mission
• Activities
• Organization
• Products
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• Summary
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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)
  - Foreign Systems
  - Surrogates
- Virtual – Models and Simulations
- Precision Targetry Systems
- Auxiliary / Ancillary Equipment
WHAT WE DO

MATERIAL DEVELOPER

Develop products

Acquire Products

CUSTOMER SUPPORT

Fly

Drive

Sustain
AERIAL TARGETS

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

Simulate Aerial Threats World-Wide in Live and Virtual Domains
**BroadSword**

- **Length**: 13.7 ft (4.2 m)
- **Wingspan**: 17.21 ft (5.2 m)
- **Speed**: 132 mph
- **Average Basic Weight**: 350 lbs
- **Gross Weight**: 550 lbs

**Outlaw**

- **Length**: 8.4 ft (2.56 m)
- **Wingspan**: 13.6 ft (4.15 m)
- **Speed**: 125 mph
- **Average Basic Weight**: 70 lbs
- **Gross Weight**: 120 lbs

**BroadSword** is available in carbon fiber or fiberglass for variable radar signatures.

Payload is a trade between required airspeed, altitude, and flight duration.
AERIAL TARGETS
MOBILE GROUND TARGETS

Centrally Manage and Execute:
- Over 340 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 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
https://modelexchange.army.mil

Authorized Users can Access and Download all Available Models through the Army Model Exchange
WHAT WE HAVE DEVELOPED/PURCHASED RECENTLY

Precision Target Signature

URAL 375

BMP-2

T-72

UAS-Ts

Virtual Targets

JCHAAT
FIVE YEAR FORECAST TO DEVELOP/PURCHASE

- Precision Targets - Mobility
- Medium Speed Aerial Targets
- High Speed Aerial Targets
- Fully Mission Capable Threat Targets
- Technical Vehicle w/crew representation
- Rotary Wing Targets
- Common Control System

Looking at technology areas to enhance current capabilities
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 REASONABLY PRICED, STATE OF THE ART TECHNOLOGIES FOR ADAPTATION AND INCORPORATION INTO TARGETRY
PROVIDING/OPERATING AERIAL, GROUND & VIRTUAL TARGETS