Office of the Secretary of Defense - Director Operational Test & Evaluation: Target Investments

Josh Messner - DOT&E TMI Execution Manager

“We’re with OSD… we’re here to help!”
Outline

- Changes at DOT&E
- Supporting DOT&E’s Mission
- Target Management Initiative
- Submitting Proposals
- FY09 Recap
- FY10 Program
- FY11 Focus Areas

DOT&E’s Target Resources Staff:
- Dennis Mischel: TMI Program Manager / Targets Lead
- Pat Burris: 5th Gen. FSAT Project Manager / Aerial Targets
- James Maybury: Target Control Systems / C^2 Interfaces
- Josh Messner: TMI Execution Manager / Mobile Ground Targets
Changes at DOT&E

Director, Operational Test & Evaluation

**Dr. Charles McQueary**
Principal Deputy
Mr. David Duma

Mr. Steve Daly
Land & Expeditionary Warfare

Mr. Mike Crisp
Air Warfare

Mr. Tom Blann
Naval Warfare

Mr. Richard Sayre
Live Fire T&E

Mr. Bill McCarthy
Missile Defense
Net-Centric and Space Systems
Changes at DOT&E

Dr. J. Michael Gilmore ï Director, Operational Test & Evaluation

ï Sworn in on 9/23/2009
ï Formerly the Assistant Director for National Security at the Congressional Budget Office (CBO) and Deputy Director of General Purpose Programs within Program Analysis and Evaluation (PA&E)
ï B.S. in Physics from M.I.T.
ï M.S. and Ph.D in Nuclear Engineering from University of Wisconsin
Supporting DOT&E’s Mission

http://www.dote.osd.mil/about.html

“The Director, Operational Test & Evaluation (DOT&E) is making budgetary and financial recommendations to the SecDef regarding OT&E; and oversight to ensure OT&E for major DoD acquisition programs is adequate to confirm operational effectiveness and suitability of the defense system in combat use.”

Targets Staff supports DOT&E by:

Â Annual monitoring of Services targets budgets for potential impacts to OT&E

Â Make Investments that:

ï Help to ensure Targets are Threat Representative and Cost Effective
ï Help promote interoperability between Services and Ranges
ï Help to ensure Target Systems (C^2, Scoring, Launch) are adequate to support Testing
DOT&E’s Target Management Initiative

**Objective**
- Improve threat realism, increase interoperability, and reduce test costs.

**Projects**
- TMI projects include *studies, standards developments, target system prototypes, and proof of concept demonstrations.*

**Selection**
- Supported by Target Investment Working Group (TIWG)
- Criteria Include: Importance to Operational Testing, Improvement to the Threat Realism, Benefit vs. Cost, Multi-Program Applicability, Potential for Successful Execution
- DOT&E Deputies are briefed on prioritized project list

**Execution**
- Projects are typically 1-3 years in length
- $50K Studies to $3M Prototypes
- Project Execution is Managed by the Services
- Minimum deliverables include: Monthly reporting, Bi-annual briefings, Final Report

Prime consideration is given to projects that address Operational Testing (OT) requirements and DOT&E resource concerns.
Notional Upcoming Dates

**16 November**  Release Call for Proposals & FY11 Focus Areas

- Initial proposal format will be 1 page white paper

**21 December**  White paper proposals due

**08 January**  DOT&E releases response to white papers and detailed proposals are requested.

**05 February**  Detailed proposals due.

**12 February**  TMI sends detailed questions to proposal authors.

**Early March**  New Start Reviews
Submitting Proposals

- Project proposals can be submitted via the TMI website:  [www.tmi.osd.mil](http://www.tmi.osd.mil)
- We recommend industry and academia work with Service partners when submitting proposals.
- Please follow-up submittals with a call to 703-681-5502
FY09 TMI Program

- Rotary Wing Target Replacement
- Rotary Wing Aerial “Fighter size”
- Subscale Aerial “Cruise/Utility”
- Full Scale Aerial
- Missiles Supersonic
- Rotary
- Fixed Ground
- Mobile Ground
- Auxiliary Systems
- Asymmetric
- Electronic Attack & CM
- Information Operations Targets
- Target C^2 Systems
- Payload Integration Module
- RF / SAM
- Submerged
- Seaborne
- Scoring
- Rotary Wing Target Asset Support
- 1. TCSG Standards Implementation
- 2. Shadow STTADS Demo
- Modular Expandable Countermeasure System
- Target Tracking
FY10 TMI Program

- Rotary Wing Target Replacement
- Rotary
- Towed
- Missile Supersonic
- Full Scale Aerial "Fighter size"
- Subscale Aerial "Cruise/Utility"
- 5th Gen Full Scale Aerial Target
- Payload Integration Module
- Rotary
- Ballistic Missile
- Submerged
- Seaborne
- Scoring
- Target C"2 Systems
- Non-Lethal Targets
- Asymmetric
- Electronic Attack & CM
- Auxiliary Systems
- Mobile Ground
- Fixed Ground
- Non-Lethal Target Kit
- J304 Engine Demo on NKT
- RF Surface Threat Study
- Land & Surface Target Sets
- 1. Sea Mine Target Sets
- 2. TPSS Initiated Shutdown
- Ground Control System Study
- Modular Expendable Countermeasure System
- Radar / SAM
FY11 Focus Areas

• Target Systems Reliability
  – A comprehensive study of Target Systems reliability and its impact on T&E.

• Rapid Signature Measurement
  – ‘Day of test’ measurement and evaluation of target signatures.

• Real Time Threat Removal
  – Systems or approaches to targets that support real-time removal of threat targets during multi-target engagements.

• Rotary Wing Target Replacement
Have an Explosive Year!