



# TRAINING & SIMULATION

## INDUSTRY SYMPOSIUM



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# TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



**Mr. Jerry Sirmans**  
**Acting Project Manager**

**Instrumentation Targets  
and Threat Simulators**



# PM ITTS Project Management Office



Acting PM ITTS  
Mr. Jerry Sirmans

Acting DPM  
Mr. Tim Vaught

Secretary  
Ms. Sandi Ritzer

Business Manager  
Ms. Leeza Jordan



Instrumentation Management Office  
Mr. Russ Longenbach (Dir)  
Mr. Ralph Holweck (Dep Dir)

- 8 Project Directors
- 1 Secretary

22 Programs



Target Management Office  
Mr. Al Brown (Dir)  
Mr. Bruce Truog (Dep Dir)

- 6 Project Directors
- 1 Secretary

18 Programs



Threat System Management Office  
Mr. Mark Tutton (Dir)  
Ms. Deb McLemore (Dep Dir)

- 16 Project Directors
- 1 Secretary

31 Programs

# Range Radar Replacement Program



- This project will upgrade or replace obsolete tracking and surveillance radars at White Sands Missile Range (WSMR), Yuma Proving Ground (YPG), Electronic Proving Ground (EPG), Aberdeen Test Center (ATC), and Dugway Proving Ground (DPG) providing them with modern digital equipment. The new equipment will increase sensitivity, increase power and provide greater accuracy. These systems will be mobile, which may reduce the total number of systems required for range coverage. They can be remotely controlled and will greatly reduce manpower and maintenance requirements and downtime during tests.
- The radars are currently divided into four performance zones: Close-in, Fly-out, Surveillance, and Terminal. A graphical representation and a summary of each zone is provided on the next slide.

## Acquisition Strategy

- TBD
- One Contract awarded to Prime

## Period of Performance

- Period of Performance has not been defined

## Milestones

- Dates for draft RFP are being determined and will be announced when it becomes known.
- Anticipated award date is 3QTRFY10

## Point of Contact

**Ms. Tamara Truong**  
PM ITTS / IMO  
(407) 384-5476  
Tamara.Truong@us.army.mil

## Funding

- Anticipated funding is \$75 to \$100M RDT&E

## Current Contract/Original Developer/ OEM (if recompet)

- New Effort



# TRMC T&E/S&T BAA

(1 of 2)



## Test Resource Management Center (TRMC) Test & Evaluation / Science & Technology (T&E/S&T) Program

### Test Instrumentation S&T (6 separate focus areas)

- DOD Test Resource Management Center (TRMC) S&T funding
- S&T applied technology (6.3) projects mature development of test technologies that directly support weapon systems T&E at DoD test ranges/facilities
- Army Single Face to Industry (ASFI) and FEDBIZOPPS Broad Agency Announcements (multi-year) under six distinct technology/focus areas

#### Acquisition Strategy

- Two-phased BAA bids: 1) White Paper submission; 2) RFP invitation
- Awards based on prioritized benefit and available funds
- S&T / APPLIED TECHNOLOGY

#### Period of Performance

- Typical total project length: 30 - 40 mo
- Projects phased as base + options for risk mitigation (typically 3 total phases)
- Expected 30-35 awards

#### Milestones (Annually)

- BAA issuance: Mar – Apr
- White papers due: May
- Proposals invited: Jun
- Proposals due: Jul-Aug
- Contract award decisions: Oct-Nov

#### Point of Contact

**Ms. Glenda Torres**  
PEO STRI Contracts  
(407) 384.4413  
Glenda.Torres@us.army.mil

#### Funding

- \$80M/yr funding supports issuance of new contracts across 6 technology areas and provides incremental funding to continue prior years' awarded contracts

#### Current Contract/Original Developer/ OEM (if recompete)

- 6 Separate multi-year BAA's
- Annually updated with new topics
- Government/Academia/Industry solicited

# TRMC T&E/S&T BAA

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**ASFI postings of Broad Agency Announcements (multi-year) under six distinct technology/focus areas:**

- **Directed Energy Test (DET): W900KK-08-R-0012-0001**

[https://acquisition.army.mil/asfi/solicitation\\_view.cfm?psolicitationnbr=W900KK08R0012](https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W900KK08R0012)

- **High Speed/Hypersonic Test (HSHT): W900KK-08-R-0017-0001**

[https://acquisition.army.mil/asfi/solicitation\\_view.cfm?psolicitationnbr=W900KK08R0017](https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W900KK08R0017)

- **Net-centric Systems Test (NST): W900KK-08-R-0018-0001**

[https://acquisition.army.mil/asfi/solicitation\\_view.cfm?psolicitationnbr=W900KK08R0018](https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W900KK08R0018)

- **Spectrum Efficient Technology (SET): W900KK-08-R-0019-0001**

[https://acquisition.army.mil/asfi/solicitation\\_view.cfm?psolicitationnbr=W900KK08R0019](https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W900KK08R0019)

- **Non-Intrusive Instrumentation (NII): W900KK-09-R-0039**

currently under development – posting anticipated on May 15

- **Unmanned and Autonomous Systems Test (UAST): W900KK-09-R-0038**

currently under development – posting anticipated on May 15



# TMO Topics



- Towed Targets
- Rotary Wing Targets (RW)
- Aerial Target Flight Services (ATFS)
- Mobile Ground Targets (MGT)
- Targets System Sustainment



# Towed Targets



- Support TMO's Towed Targets Program
  - Design and Fabricate
    - New towed target systems
    - New reeling devices
  - Modify existing tow reel systems
- Supports various Air Defense weapon system testing/training

## Acquisition Strategy

- A competitive CP contract through AMCOM
  - 41,000 contractual hours of Engineering Support

## Period of Performance

- One year base period plus any planned options

## Milestones

- RFP Release - Jun 2010
- Contract Award - Dec 2010

## Point of Contact

**Mr. James Fletcher**  
AMCOM Acquisition Center  
(256) 876-9467  
James.Fletcher2@us.army.mil

## Funding

- Approximate \$7M effort over 5 years

## Current Contract/Original Developer/ OEM (if recompet)

- Meggitt is the current incumbent awarded by FFP

# Rotary Wing (RW) Targets



- Replacement threat representative Rotary Wing target:
  - Inexpensive lifecycle cost. Provides threat representative Visual, Radio Frequency and Infrared signatures.
  - Minimal development.
- Approximately 20 targets are needed over the life of this program.
- Currently unfunded effort.

## Acquisition Strategy

- Procure a non-developmental solution that meets the needs of DOD. A technology demonstration is desired prior to contract award

## Period of Performance

- Base period plus any planned options

## Milestones

- RFP Release – TBD
- Contract Award - TBD

## Point of Contact

**Mr. Jim Schwierling**  
TMO  
(256) 876-3451  
Jim.Schwierling@us.army.mil

## Funding

- RW TMI funded for Requirements Definition, Market Survey and RFP prep - \$1M

## Current Contract/Original Developer/ OEM (if recompete)

- New Effort



# Aerial Target Flight Services (ATFS)



- Contract is for target flight service operations throughout the world
- Operates, and sustains aerial target systems to support air defense artillery (ADA) training, multi-service research, development, test and evaluation (RDT&E) and foreign military sales (FMS) requirements
- Primary operations sites are White Sands Missile Range (New Mexico) and Ft. Bliss (Texas), with base camp in New Mexico

## Acquisition Strategy

- Open Competition through AMCOM

## Period of Performance

- Up to 5 years from date of award

## Milestones

- RFP Release - January 2010
- Contract Award - September 2010
- Establish First DB

## Point of Contact

**Ms. Amy Donlin**  
AMCOM Acquisition Center  
(256) 313-3695  
Amy.Donlin@us.army.mil

## Funding

- Estimated \$19M total contract value

## Current Contract/Original Developer/ OEM (if recomplete)

- Kratos Government Solutions, Inc is the current incumbent awarded by FFP contract

# Mobile Ground Targets (MGT)



- Procurement of foreign threat ground hardware
  - Functionality ranging from fully operational systems to hulks
  - Includes systems, spare parts and manuals
- Used by Department of Defense (DOD) Test & Evaluation (T&E) agencies
- Full and Open Competition for Firm Fixed Price Procurements

## Acquisition Strategy

- Firm Fixed Price IDIQ Contract
  - Full and Open Competition
  - Multiple Vendors Award Contracts

## Period of Performance

- One year base award plus five year planned options

## Milestones

- RFP Release - June 2009
- Contract Award - October 2010
- Initial Deliver - September 2010

## Point of Contact

**Ms. Robbin Finley**  
TMO  
(256) 842-6459  
Robbin.Finley@us.army.mil

## Funding

- Expected Contract Value  
Between \$25M-\$30M

## Current Contract/Original Developer/ OEM (if recompet)

- New Effort

# Target Systems Sustainment Support



- Five - year IDIQ contract to support aerial targets operations
- Provides acquisition and repair capability for Target Systems parts and components
- Sustains MQM-107, MSAT, and Target Control Systems

## Acquisition Strategy

- Five year IDIQ  
– Full and Open Competition

## Period of Performance

- Base period plus any planned options

## Milestones

- Draft RFP – 4 QTR FY2009
- Contract Award – TBD

## Point of Contact

**Ms. Karen Walton**  
AMCOM Acquisition Center  
(256) 842-8045  
Karen.Walton1@us.army.mil

## Funding

- Estimated \$25M

## Current Contract/Original Developer/ OEM (if recompet)

- New Award



# TMO Topics

- Threat CNO
- Threat Signal Injection Jammer



# Threat CNO



- Personnel support for performing Threat CNO on Development and Operational Test and Evaluation (T&E) and training events.
- Personnel must already possess minimum certifications in order to enter positions. DoD 8570.01m level 3 IAT/IAM requirement, as of May 2008, can be fulfilled by CISSP certification.
- Personnel must be able to pass CEH or CISA upon hire.
- Personnel must meet and maintain additional training and certification requirements in support of the Threat CNO mission as identified by TSMO.

## Acquisition Strategy

- Competitive Bid - TBD

## Period of Performance

- December 01, 2009 thru November 30, 2010

## Milestones

- Required Contract Award – December 2009

## Point of Contact

**Mr. Bradley Beckman**  
TSMO  
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## Funding

- RDT&E - \$1.025M

## Current Contract/Original Developer/ OEM (if recompet)

- GSA Contract
- International Telephone and Telegraph (ITT) is the current incumbent

# Threat Signal Injection Jammer

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- TSMO has conducted technology development efforts on radio frequency (RF) wideband direct injection jamming to support testing of US weapon systems & their integrated communications, within Federal Communications Commission (FCC) frequency authorization limitations.
- Due to frequency restrictions, current testing using jammers can most effectively be conducted by direct injection of threat jammer signals into the System Under Test (SUT) in place of open air jamming in those test areas where even limited-power and limited-range jamming interference is prohibited.
- TSMO has developed the threat simulator injection jammer hardware system that provides the solution to these restrictions

## Acquisition Strategy

- Sole Source Contract Award
- Competitive Bid Contract Award

## Period of Performance

- December 2010 through December 2011
- December 2013 through December 2014

## Milestones

- Contract Award – Dec 2009 and Dec 2010
- Contract Award – Dec 2009 and Dec 2010

## Point of Contact

**Mr. Gerald Marotta**  
TSMO  
(256) 876-8556  
Gerald.Marotta@us.army.mil

## Funding

- FY 2010 - \$5,357K
- FY 2011 - \$5,350K
- FY2013 - \$7,788K
- FY2014 - \$10,032

## Current Contract/Original Developer/ OEM (if recompete)

- Scientific Research Corporation is the current incumbent awarded by an ID/IQ

# Threat Signal Injection Jammer

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- The TSIJ simulator includes both injection jammer (IJ) devices, in metal enclosures, along with Control Signal Transmitters, that direct the operations of the injection jammer devices. The IJ devices are connected directly to the SUT; the CST units are mounted in HMMWVs and positioned on a test range as if they were actual threat jamming systems
- Any “Blue Systems” currently in development that use RF communications are intended end users of the TSIJ system for their development and/or operational testing plans
- Over the next two years TSMO will award a sole-source contract (OPA) for the production of 420 Injection Jammers along with 6 CST units and their installation into HMMWV vehicles (GOTS)
- For FY2013 and FY 2014, TSMO will award a competitive bid contract (OPA) for the production of 400 Upgraded/Enhanced Injection Jammers along with a total of 40 new All Weather/Low Power CST units