COL Richard Haggerty
Project Manager, PM ITTS
PM ITTS Core Competencies

TARGETRY
- MQM-107 STREAKER
- MQM-170 OUTLAW
- AGATCS

JOINT TRAINING
- ENGAGEMENT SKILLS TRAINER (ARMY)
- 160TH AVIATION COMBAT MISSION SIMULATORS (USSOCOM)
- PERSISTENT CYBER TRAINING ENVIRONMENT

INSTRUMENTATION
- ADVANCED RANGE TRACKING AND IMAGING SYSTEM (ARTIS)
- NUCLEAR EFFECTS TEST CAPABILITY MODERNIZATION (NETCM)

CYBER/ELECTRONIC WARFARE
- ACQUISITION CYBER RED AND BLUE TEAMS
- ELECTRONIC WARFARE SYSTEMS

TRAINING OUR SOLDIERS
PdM SOF TRAINING SYSTEMS
Orlando, FL

AIR
- Combat Mission Simulators
- Desk Top Trainers
- Accident Investigation
- Battle Staff Training
- Collective Simulation Exercises
- On Site Sustainment

GROUND
- Close Quarter Combat Shoothouse
- SOF Range Upgrades
- Modular Range Trainers
- Instructors Courses Role Players

FIRES
- Call For Fire Trainer Immersive Systems
- Call For Fire Trainer III
- Modular Range Trainers
- Joint Terminal Attack Control Trainer / Operator Support
- Live Close Air Support (CAS) Training Services

MISSION
- Intelligence & Electronic Warfare Tactical Proficiency Trainer
- Engagement Skills Trainer
- Soldier Monitoring System

LIVE/ VIRTUAL JOINT TRAINING AND SUPPORT TO SOF
<table>
<thead>
<tr>
<th>CYBER BLUE TEAMS</th>
<th>NATIONAL CYBER RANGE</th>
<th>PERSISTENT CYBER TRAINING ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification and Standardization</td>
<td>Contract Administration and Oversight</td>
<td>Event Management</td>
</tr>
<tr>
<td>Central Vulnerability Database and</td>
<td></td>
<td>Connectivity</td>
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<tr>
<td>Reporting</td>
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<td>Facilities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Environment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Contractor Owned – Contractor Operated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Facility</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lockheed Martin</td>
</tr>
</tbody>
</table>

ARMY ACQUISITION CYBER RESILIENCE AND JOINT TRAINING CAPABILITY
TARGETS MANAGEMENT OFFICE
Huntsville, AL

SURFACE TARGETS
- BTR-80
- SMERCH

AERIAL TARGETS
- MQM-170 Outlaw
- MOSQUITO
- BQM-34

VIRTUAL TARGETS
- MQM-107 with Cruise Missile Tow Target

TARGET CONTROL
- Army Ground Aerial Target Control System - AGATCS

TARGETRY IN SUPPORT OF TRAINING AND TESTING
THREAT SYSTEMS MANAGEMENT OFFICE
Huntsville, AL

ACQUISITION

Mobile Communications Network Infrastructure Test Range (MCNITR)

Networked Electronic Support Threat Sensors (NESTS)

Threat Signal Injection Jammer (TSIJ)

Wideband Configurable Control Jammer (WCCJ)

CYBER

Integrated Threat Force (ITF)

Threat Unmanned Devices (TUD)

LIFECYCLE MANAGER FOR THREAT SYSTEMS/ CAPABILITIES AND CYBER RED TEAM
Target System Hardware and Support (TSHS)

Description/Summary of Program Requirements

- The TSHS effort is a contract to support Precision Targets Signatures (PTS) and surrogate-target development and procurement for the Testing and Evaluation (T&E) community.

- TSHS will provide Targets Management Office (TMO) the vehicle to support efforts that requires 1, 2 and 3D range target development and procurement.

- TSHS will provide target data base management and technical administrative support, and range target technical insertion.

<table>
<thead>
<tr>
<th>ACQUISITION STRATEGY</th>
<th>PERIOD OF PERFORMANCE</th>
<th>MILESTONES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Award IDIQ</td>
<td>5 Years, FY17-22</td>
<td>3QFY15 RFI</td>
</tr>
<tr>
<td>Competitive</td>
<td></td>
<td>3QFY16 RFP Release</td>
</tr>
<tr>
<td>ACC - RSA</td>
<td></td>
<td>2QFY17 Contract Award</td>
</tr>
</tbody>
</table>

**POINT OF CONTACT**

Organization: PM ITTS
Phone: 407-384-5252
Email: usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil

**FUNDING**

- Customer Funding, RDT&E, Procurement
- $45M Ceiling

**CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)**

- Initial Contract
Description/Summary of Program Requirements

- TMO’s mission is to provide all variants of targets for the US Army, other Department of Defense (DoD) customers, and foreign clients.

- Efforts to accomplish this mission include acquisition of targets, target subsystems, ground support equipment and spares as well as flight operations, training and planning.

**ACQUISITION STRATEGY**

- Full and Open Competition
- ACC - RSA

**PERIOD OF PERFORMANCE**

- 5 Years, FY17-22

**MILESTONES**

- 2QFY17: RFP Release
- 3QFY17: Contract Award

**POINT OF CONTACT**

Organization: PM ITTS
Phone: 407-384-5252
Email: usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil

**FUNDING**

- Customer Funding, RDT&E
- Estimated value $93.3M

**CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)**

- W31P4Q-12-D-0048, 63, 64, & 66
- Follow-on contract to the current Aerial Target Systems IDIQ
High Speed Aerial Target (HSAT) – Replacement

Description/Summary of Program Requirements

- This contract will be for the replacement of the MQM-107 high speed aerial target system.
- Provides threat representative Visual, Radio Frequency and Infrared signatures.
- Inexpensive lifecycle costs and minimal development.
- Acquire and support future aerial targets, engineering services, launchers, ground support equipment, repair & spare parts and logistical support.

<table>
<thead>
<tr>
<th>ACQUISITION STRATEGY</th>
<th>PERIOD OF PERFORMANCE</th>
<th>MILESTONES</th>
</tr>
</thead>
</table>
| • Full and Open Competition  
  • ACC - RSA | • 5 Years, FY17-22 | 2QFY17  
  RFP Release | 3QFY17  
  Contract Award |

<table>
<thead>
<tr>
<th>POINT OF CONTACT</th>
<th>FUNDING</th>
<th>CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)</th>
</tr>
</thead>
</table>
| Organization: PM ITTS  
  Phone: 407-384-5252  
  Email: usarmy.Orlando.peostri.list.pm-itts-tsis@mail.mil | • Customer Funding, RDT&E, Procurement  
  • $92.8M Ceiling | • Initial Contract |
Description/Summary of Program Requirements

The Intelligence and Electronic Warfare Tactical Proficiency Trainer (IEWTPT) fills a critical multi-intelligence warfighting training gap at home station for All Source, HUMINT, SIGINT and GEOINT individual, crew, and collective sustainment training in support of Mission Command and Unified Land Operations.

- IEWTPT is the key enabler for Military Intelligence (MI) analyst / operator training in a Live, Virtual, and Constructive (LVC) simulation environment.
- IEWTPT directly supports the Intelligence, Surveillance, Reconnaissance (ISR) stakeholder enterprise (Army G2, PEO Intelligence Electronic Warfare & Sensors (PEO IEW&S)), Intelligence Center of Excellence, and Intelligence and Security Command (INSCOM) in the execution of the Army Intelligence Training Strategy.
- IEWTPT supports the Intelligence Center of Excellence holistic training strategy for both stand-alone and network enabled training; supports system training for DCGS-A, Tactical Ground Station, Prophet, and other MI/ISR systems.

<table>
<thead>
<tr>
<th>ACQUISITION STRATEGY</th>
<th>PERIOD OF PERFORMANCE</th>
<th>MILESTONES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current effort:</strong></td>
<td><strong>One year Bridge ongoing until full and open competition completion</strong></td>
<td></td>
</tr>
<tr>
<td>- Bridge contract CPFF/FFP through June 2017</td>
<td><strong>Re-compete contract is a 5-year PoP, 2-year base plus three 1-year options</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Future effort:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Competitive procurement execution in progress</td>
<td></td>
<td>3QFY16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RFP Release</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2QFY17</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Contract Award</td>
</tr>
</tbody>
</table>

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<tbody>
<tr>
<td><strong>Organization:</strong> PM ITTS</td>
<td></td>
</tr>
<tr>
<td><strong>Phone:</strong> 407-384-5252</td>
<td></td>
</tr>
<tr>
<td><strong>Email:</strong> <a href="mailto:usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil">usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil</a></td>
<td></td>
</tr>
<tr>
<td><strong>Funding:</strong></td>
<td></td>
</tr>
<tr>
<td>- DA Mission Funded - RDTE, OPA, OMA</td>
<td></td>
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<tr>
<td>- Customer funding as required / available</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current contract provides continued performance with GD Mission Systems Orlando until new contract award o/a March 2017</strong></td>
</tr>
</tbody>
</table>
**Special Operations Forces Aviation Systems Trainers Enhancements II (SOFAST – E II)**

**Description/Summary of Program Requirements**

- **The Special Operations Forces Aviation Systems Trainers Enhancements II** contract will support the 160th Special Operations Aviation Regiment (SOAR) located at Ft. Campbell, KY.
  - SOFAST-E II will fully support 160th SOAR training operations to include concurrency and functionality enhancements to the suite of 5 Combat Mission Simulators (MH-47G, MH-60M, A/MH-6) and related peripherals.
  - Users’ Priorities include commonality across all systems (where feasible), hardware/software concurrency across all systems (CAAS, Mission Equipment, Block Upgrades) and interoperability across the federation.
  - Procurement will be structured to provide the flexibility to adjust priorities based upon the availability and amount of funding, given real world requirements. This will include Delivery Orders which will vary greatly in level of complexity and scope.

<table>
<thead>
<tr>
<th><strong>ACQUISITION STRATEGY</strong></th>
<th><strong>PERIOD OF PERFORMANCE</strong></th>
<th><strong>MILESTONES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Award IDIQ</td>
<td>5 Years, FY19-23</td>
<td>4QFY17 RFP Release</td>
</tr>
<tr>
<td>Full and Open Competition</td>
<td></td>
<td>4QFY18 Contract Award</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>POINT OF CONTACT</strong></th>
<th><strong>FUNDING</strong></th>
<th><strong>CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPete)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization: PM ITTS</td>
<td>SOCOM Customer Funding, Procurement, $85M Ceiling</td>
<td>Veraxx Engineering Corporation</td>
</tr>
<tr>
<td>Phone: 407-384-5252</td>
<td>Email: <a href="mailto:usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil">usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil</a></td>
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</tbody>
</table>

Revised: 4QFY18
Nuclear Effects  
Test Capability Modernization (NETCM)

**Description/Summary of Program Requirements**

- NETCM project initiated to address shortcomings and obsolescence in the White Sands Test Center, Nuclear Effects Laboratories.

- Competitive opportunity is the Prompt Gamma Simulator (PGS).
  - Other NETCM procurements are technology refreshes to existing capabilities.

- PGS will be a short-pulse, high-dose, gamma/x-ray simulator. White Sands Test Center will use it to conduct nuclear effects survivability and vulnerability testing on circuit card assemblies, line replaceable units, and other equipment designed for use in tactical and strategic assets.

<table>
<thead>
<tr>
<th>ACQUISITION STRATEGY</th>
<th>PERIOD OF PERFORMANCE</th>
<th>MILESTONES</th>
</tr>
</thead>
</table>
| • PGS Development - Single Award  
• Full and Open Competition  
• Lab Technology Refresh Effort Executing via new and existing contracts (e.g. GSA, CHESS, Small Acquisition Procedures) | • NETCM project is ongoing through 4QFY20  
• PGS PoP expected to 36 months from contract award | 1QFY17  
RFP Release  
3QFY17  
Contract Award |

<table>
<thead>
<tr>
<th>POINT OF CONTACT</th>
<th>FUNDING</th>
<th>CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)</th>
</tr>
</thead>
</table>
| Organization: PM ITTS  
Phone: 407-384-5252  
Email: usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil | • D984 RDT&E Project  
• PGS Rough Order of Magnitude (ROM) is $14M - $20M | • Various supplies and service contracts executing for Laboratory Technology Refresh Efforts  
• PGS contract not yet awarded |
Description/Summary of Program Requirements

- **Test Network Modernization (TNM):** Technology refresh, utilizing commercial off-the-shelf equipment, to existing test data networks across ATEC test activities.

- **Future Wireless Modernization (FWN):** Integrate commercially available wireless network technologies across ATEC test activities to provide near-real-time data collection support for Developmental and Operational testing. Currently not being funded and will be removed.

- **Telemetry Systems Modernization (TSM):** Modernize commercial off-the-shelf telemetry equipment, to include mobile and fixed sites, and telemetry data processing equipment will be fielded and integrated to ATEC test activities.

### Acquisition Strategy

**FY16 activities:**
- Development and staffing of Test Capability Requirements Documents (TCRD) for each new start
- Approval of TCRD and establish/define scope and applicable technical approach for each program

**FY17 activities:**
- Approval of TCRD and establish/define scope and applicable technical approach for each program

### Period of Performance

- **TNM:** FY16-FY27
- **TSM:** FY16-FY25
- **FWN:** N/A

### Milestones

- **1QFY17**
- **TCRD Approval**
- **FY17**
- **Request(s) for Information**

### Contact Information

**Organization:** PM ITTS
**Phone:** 407-384-5252
**Email:** usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil

### Funding

- **D984 RDT&E Projects**
- Estimated $20M to $80M per project
- To be finalized upon completion of requirements analysis

### Current Contract/Original Developer/OEM (IF RECOMPETE)

- Technology refreshes utilizing commercial off-the-shelf items
Description/Summary of Program Requirements

- **Applied Environments Modernization (AEM):** Modernize existing environmental testing equipment and expand testing climatic capabilities, shock and vibration test systems, x-ray cameras, full spectrum solar lights and data collection systems.

- **Robotics/Unmanned Autonomous Systems (RUAS):** Develop/procure instrumentation for testing controlled and autonomous ground and aerial robotic systems.

- **System of Systems Controlled Environment Test Infrastructure:** Develop a multi-role/multi-functional Degraded Visual Environment Sensor Test Facility to allow repeatable testing of user defined atmospheric environments (i.e. rain, dust, fog and smoke).

**ACQUISITION STRATEGY**

**FY16 activities:**
- Development and approval of Test Capability Requirements Documents for each new start
- Studies to establish/define scope and applicable technical approach for each program

**FY17 activities:**
- Development and approval of Test Capability Requirements Documents for each new start
- Studies to establish/define scope and applicable technical approach for each program

**PERIOD OF PERFORMANCE**

- **AEM:** FY16-FY24
- **R/UAS:** FY16-FY25
- **SCETI:** FY16-FY22

**MILESTONES**

- **1QFY17:** TCRD Approval
- **1QFY17/3QFY17:** Request(s) for Information

**POINT OF CONTACT**

- **Organization:** PM ITTS
- **Phone:** 407-384-5252
- **Email:** usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil

**FUNDING**

- **D984 RDT&E Projects**
  - Estimated $20M to $40M per project
  - To be finalized upon completion of requirements analysis

**CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)**

- Technology refreshes utilizing commercial off-the-shelf components
- Developmental phase for instrumentation and environmental test facility.
Soldier Virtual Trainer (SVT)

Description/Summary of Program Requirements

• Enables Army Readiness through dismounted collective maneuver training capability; provides individual and crew-served weapons skill development; enables Joint fires training; and exercises Use of Force decision making.
  – **Weapon Skill Development (WSD)** - An immersive individual / crew / collective Weapon Skill Development training capability to meet Army Readiness integrated weapon training strategies (IWTS). (Increment I)
  – **Fires** - A scalable and tailorable Joint Fires training capability to conduct precision targeting and employ precision munitions in all environments. The SVT will be interoperable with mission command and target acquisition systems. (Increment I)
  – **Use of Force (UoF)** - Soldiers, using their assigned weapon(s), other capabilities, and the UoF equipment available, will exercise their cognitive functions to include rapid decision making and target acquisition in a stressful scenario. This will include the introduction or removal of verbal, non-lethal, lethal capabilities as fielded to the Department of Defense. (Increment I)
  – **Battle Drill Training** - The SVT will provide the lowest level dismounted maneuver force, the capability to conduct collective drills, and tasks training to include dismounted and mounted operations (in current and future Army/Joint platforms) in the OE. (Increment II)

<table>
<thead>
<tr>
<th>ACQUISITION STRATEGY</th>
<th>PERIOD OF PERFORMANCE</th>
<th>MILESTONES</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Release Sources Sought Notice</td>
<td>• 7 Years, FY19-26</td>
<td>1QFY19</td>
</tr>
<tr>
<td>• Conduct Industry Day</td>
<td></td>
<td>RFP Release Tentative</td>
</tr>
<tr>
<td>• Market Research Memorandum to determine contract type</td>
<td></td>
<td>3QFY19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Contract Award Tentative</td>
</tr>
</tbody>
</table>

**POINT OF CONTACT**

Organization: PM ITTS
Phone: 407-384-5252
Email: usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil

**FUNDING**

• DA Mission Funded
• RDTE, Procurement
• $TBD Ceiling

**CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)**

• N/A
## Persistent Cyber Training Environment (PCTE)

### Description/Summary of Program Requirements

- **Persistent Cyber Training Environment (PCTE)** is a DoD System that provides a standardized platform for training Cyber Mission Forces in realistic virtual environments utilizing resources from Cyber Training Ranges.
- **Features include:**
  - DoD system currently focused on training Cyber Mission Forces
  - Unclassified, Secret, and TS instances
  - Provide training from individual, group, to collective training
  - Utilize Cyber Training/Testing Range resources, i.e. transport, compute, storage, and current training support capabilities (environment emulation or scenarios)

### ACQUISITION STRATEGY

- Evolutionary acquisition approach providing capabilities to Service Cyber Components once evaluated and integrated.

### PERIOD OF PERFORMANCE

- N/A

### MILESTONES

- o/a FY17
  - RFP Release
- o/a FY18
  - Contract Award

### POINT OF CONTACT

- **Organization:** PM ITTS
- **Phone:** 407-384-5252
- **Email:** usarmy.Orlando.peo-stri.list.pm-itts-tsis@mail.mil

### FUNDING

- **$318M FY17-21**

### CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- **TBD**
Closing Remarks

- Transparency with Industry

- General oversight and extended requirements/contracting timelines drive my decisions

- Classified Contracting

- Always looking for more innovative ways to support my customers
QUESTIONS?