

TRAINING & SIMULATION

INDUSTRY SYMPOSIUM





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Project Manager Instrumentation, Targets, Threat Simulators, and SOF Training Systems (PM ITTS)



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Project Manager, PM ITTS
2 DEC 2015

A UNIQUE ACQUISITION ORGANIZATION



TEST

Manage 3 x POM Processes

- ~ Test
- ~ Army Training
- ~ SOCOM

2 x Acquisition Executives



CYBER

Multiple Automated Tools and Databases

2 x States



ARMY

2 x Civilian Personnel Systems

Multiple Reporting Chains and Processes

4 x Requirements Sources



USSOCOM

Countless Stakeholders and Customers



FMS

4 x Financial Appropriations

12 x Funding Lines

Multiple Customer-Funded Efforts

2 x Contracting Commands

Unclassified





PM ITTS v9.0 STRATEGY MAP

As of 1 November 2015

PM MISSION | *Deliver Relevant Capabilities to the Test, Training, Special Operations and Cyber Communities.*

PM VISION | *An Elite Team of Trusted Providers Solving Acquisition Challenges.*

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1.0 Cultivate an Elite Workforce Team PEOPLE

1.1 Establish a PM ITTS Talent Management Program

- Enable Intra-PM personnel maneuver
- Link counseling to performance
- Adopt best practices to recruit, develop, and retain talented professionals

1.2 Organizational Culture-Focused Initiatives

- Nurture an "Innov8tors" program
- Launch a "Landsharks" program (Junior Forum)
- Institute the "Prussian Staff" initiative

2.0 Deliver Relevant Capability PRODUCT

2.1 Establish a Sustainable S&T Insertion Strategy

- Identify technology gaps
- Methodically ensure that technology insertion needs are mapped to acquisition efforts

2.2 Manage Solid Program Baselines With Long-Term Relevance

- Fill the programmatic "Doctrinal Holes"
- Establish/ maintain and/or align LIRA and Program Roadmaps

2.3 Cultivate a Collaborative Stakeholder Environment

- Emphasize transparency to build credibility
- Develop and execute an effective strategic messaging/ education campaign

3.0 Institutionalize Streamlined PM ITTS Processes PM

3.1 Implement a Predictable and Anticipatory Battle Rhythm

- Cultivate a PM ITTS staff with a proactive "300M Sight Picture"
- Stabilize routine operations

3.2 Define and Measure the Right Metrics

- Focus the organization on measuring the "Important instead of the Interesting"
- Leverage automation and efficient processes to manage information
- Implement the ITTS Dashboard Phase I

3.3 Establish and Maintain a Long-Term Contracting Strategy

- Execute weekly prioritization meetings
- Augment the Classified Contracting capability

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Unclassified



INSTRUMENTATION MANAGEMENT OFFICE

Orlando, FL

ACQUISITION SUPPORT TO THE TEST COMMUNITY



Optical Tracking Systems (ARTIS)



Data Collection (ADMAS)



Quantitative Visualization (QV) Test Planning and Analysis



Nuclear Effects Technology Modernization



Large-scale Land, Sea, and Littoral Vulnerability and Lethality Specialty Testing (LSVTC)



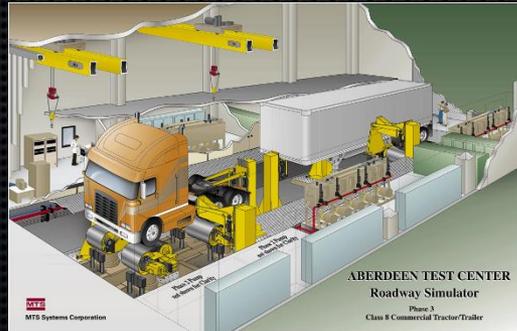
Electromagnetic Environment Effects (E3)



Test Suite for Directed Energy Capabilities/Vulnerabilities (DETEC)



Electronic Warfare (EW) Test Technologies



Roadway Simulator (RWS) Repeatable, Controlled Vehicle Performance Testing



Test Support Network (TSN) High Speed Data Rate Communication Infrastructure



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



Joint Terminal Attack Control Trainer / Operator Support

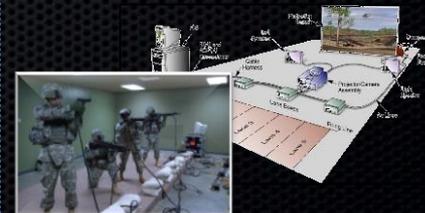
MISSION



Technical Control Cell

Human Intelligence Control Cell

Intelligence & Electronic Warfare Tactical Proficiency Trainer



Engagement Skills Trainer



Soldier Monitoring System



Live Close Air Support (CAS) Training Services



THREAT SYSTEMS MANAGEMENT OFFICE

Huntsville, AL

ACQUISITION



MCNITR



NESTS



TSIJ



WCCJ

FOREIGN ACQUISITION



Giraffe AMB



Cicada

CYBER



TEST SUPPORT



ITF



TUD



TARGETS MANAGEMENT OFFICE

Huntsville, AL

SURFACE TARGETS



BTR-80



SMERCH



T-80



Precision Target Signature (PTS)

AERIAL TARGETS



MQM-170 Outlaw



MOSQUITO

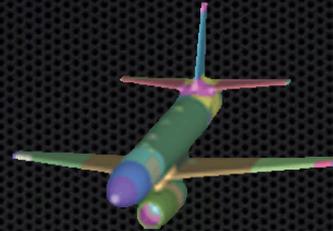


BQM-34

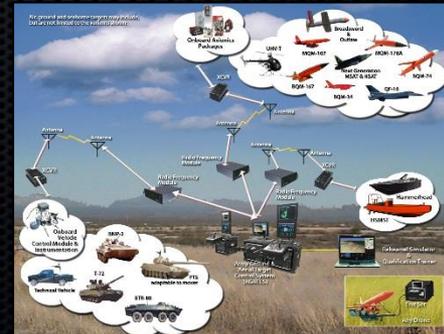
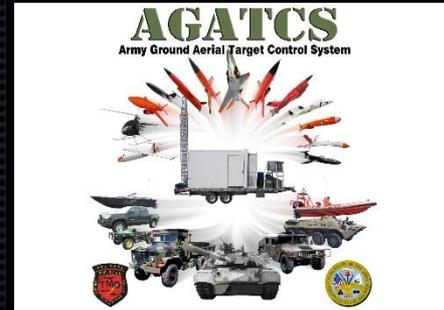


MQM-107 with Cruise Missile Tow Target

VIRTUAL TARGETS



TARGET CONTROL



Army Ground Aerial Target Control System - AGATCS



PM ITTS Opportunity Metrics



Opportunity	TSIS I/ITSEC 2014	TSIS June 2015	Current Status
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Electromagnetic Environmental Effects (E3)	SS	CA	Awarded
Joint Pacific Alaska Range Complex (JPARC) JPARC Integrated Air Defense Systems (JIADS)	SS	CA	Awarded
Advanced Range Tracking and Imaging System (ARTIS)	B	SS	Projected 3QFY16 Award
Joint Urban Test Capability (JUTC)	B	T	Terminated
Intelligence and Electronic Warfare Tactical Proficiency Trainer (IEWTPT)	B	B	Sole Source Bridge contract through 2016. Full and open competition planned.
Nuclear Effects Test Capability Modernization	B	B	
Real Time Casualty Assessment (RTCA) Integrated Live Virtual Constructive Test Environment (ILTE)	B	B	
Target System Hardware and Support (THSH)	-	Initial	ACC RSA
Aerial Target Flights Services (ATFS)	-	Initial	ACC RSA
Aerial Target System	-	Initial	ACC RSA
High Speed Aerial Target (HSAT) Replacement	-	Initial	ACC RSA
Instrumentation FY16 New Starts	-	-	First presentation

Legend

B – Briefed at TSIS

CA – Contract Awarded

Initial – First time opportunity briefed at TSIS

SS – In Source Selection

T – Project Terminated

ACC RSA – Army Contracting Command Redstone Arsenal





Intelligence and Electronic Warfare Tactical Proficiency Trainer (IEWTPT)



Description/Summary of Program Requirements

- **The Intelligence and Electronic Warfare Tactical Proficiency Trainer (IEWTPT)** fills a critical 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, and other MI/ISR systems.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> • Current effort: <ul style="list-style-type: none"> - Sole Source Bridge contract CPFF/FFP through FY16 • Future effort: <ul style="list-style-type: none"> - Re-compete preparations ongoing 	<ul style="list-style-type: none"> • 1-year Bridge w/ 6-month transition option required for full and open competition requirements planning • Re-compete, 5-year PoP, 2 year base plus three 1-year options 	<p>2QFY16</p>  <p>RFP Release</p>	<p>1QFY17</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Organization: PM ITTS Phone: 407-384-5252 Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil</p>	<ul style="list-style-type: none"> • DA Mission Funded - RDTE, OPA, OMA • Customer funding as required / available 	<ul style="list-style-type: none"> • Current contract is sole source to GDC4S Orlando through 4QFY16 	





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.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> • PGS Development • Single Award • Full and Open Competition • Lab Technology Refresh Effort • Executing via new and existing contracts (e.g. GSA, CHES, Small Acquisition Procedures) 	<ul style="list-style-type: none"> • NETCM project is ongoing through 4QFY19 • PGS PoP expected to 36 months from contract award 	<p>2QFY16</p>  <p>RFP Release</p>	<p>1QFY17</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
<p>Organization: PM ITTS</p> <p>Phone: 407-384-5252</p> <p>Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil</p>	<ul style="list-style-type: none"> • D984 RDT&E Project • PGS Rough Order of Magnitude (ROM) is \$14M - \$20M 	<ul style="list-style-type: none"> • Various supplies and service contracts executing for Laboratory Technology Refresh Efforts • PGS contract not yet awarded 	





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 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.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<ul style="list-style-type: none"> • Single Award IDIQ • Competitive • ACC - RSA 	<ul style="list-style-type: none"> • 5 Years, FY17-22 	3QFY15  RFI	3QFY16  RFP Release	2QFY17  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)		
Organization: PM ITTS Phone: 407-384-5252 Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil	<ul style="list-style-type: none"> • Customer Funding, RDT&E, Procurement • \$48M Ceiling 	<ul style="list-style-type: none"> • Initial Contract 		





Aerial Targets Flight Services (ATFS)



Description/Summary of Program Requirements

- Targets Management Office (TMO) procures, operates, and sustains aerial target systems to support training, multi-service Research, Development, Test and Evaluation (RDT&E) and Foreign Military Sales (FMS) requirements.
- The ATFS contractor provides comprehensive operation and maintenance services throughout the world using Government-furnished target equipment.
- The aerial target systems currently in use under the ATFS contract include the MQM-107, BQM-34, MQM-175, MQM-178 and Ballistic Aerial Target System (BATS).

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> • Full and Open Competition • ACC - RSA 	<ul style="list-style-type: none"> • 5 Years, FY16-21 	1QFY16  RFP Release	4QFY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM ITTS Phone: 407-384-5252 Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil	<ul style="list-style-type: none"> • Customer Funding, FMS, OMA • \$30M Ceiling 	<ul style="list-style-type: none"> • W31P4Q-11-C-0157 • Systems Application & Technologies 	





Aerial Target System - IDIQ



Description/Summary of Program Requirements

- The TMO 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	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> • Full and Open Competition • ACC - RSA 	<ul style="list-style-type: none"> • 5 Years, FY17-22 	3QFY16  RFP Release	1QFY17  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
Organization: PM ITTS Phone: 407-384-5252 Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil	<ul style="list-style-type: none"> • Customer Funding, RDT&E • Estimated value \$85M 	<ul style="list-style-type: none"> • 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.
- Minimal development.
- Acquire and support future aerial targets, engineering services, launchers, ground support equipment, repair & spare parts and logistical support.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none"> • Full and Open Competition • ACC - RSA 	<ul style="list-style-type: none"> • 5 Years, FY17-22 	<p>1QFY17</p>  <p>RFP Release</p>	<p>3QFY17</p>  <p>Contract Award</p>
POINT OF CONTACT	FUNDING		CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
<p>Organization: PM ITTS Phone: 407-384-5252 Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil</p>	<ul style="list-style-type: none"> • Customer Funding, RDT&E, Procurement • \$85M Ceiling 		<ul style="list-style-type: none"> • Initial Contract





Instrumentation Management Office Fiscal Year 2016 New Start Programs



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

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<p>FY16 activities:</p> <ul style="list-style-type: none"> • Development and approval of Test Capability Requirements Documents for each new start • Studies to establish/define scope and applicable technical approach for each program 	<ul style="list-style-type: none"> • TNM: FY16-FY27 • FWM: FY16-FY24 • AEM: FY16-FY24 • TSM: FY16-FY25 	<table border="0"> <tr> <td style="text-align: center;">4QFY16  TCRD Approval</td> <td style="text-align: center;">4QFY16/1QFY17  Request(s) for Information</td> </tr> </table>	4QFY16  TCRD Approval	4QFY16/1QFY17  Request(s) for Information
4QFY16  TCRD Approval	4QFY16/1QFY17  Request(s) for Information			
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)		
<p>Organization: PM ITTS Phone: 407-384-5252 Email: usarmy.orlando.peo-stri.list.pm-itts-tsis@mail.mil</p>	<ul style="list-style-type: none"> • D984 RDT&E Projects • Estimated \$20M to \$80M per project • To be finalized upon completion of requirements analysis 	<ul style="list-style-type: none"> • Technology refreshes utilizing commercial off-the-shelf components • Developmental phase may be required to upgrade existing capabilities 		

