



# PM ITTS



**COL Matthew J. Fair**





# PM ITTS



**COL Matthew J. Fair**



**APBI  
2002**



**PM ITTS**  
**COL Matthew J. Fair**  
**Project Manager for Instrumentation, Targets,  
and Threat Simulators**  
**ATTN: AMSTI-PMITTS**  
**12350 Research Parkway, Orlando, FL 32826-3276**  
**(407) 384-5250 DSN 970-5250**  
**email: Matthew\_Fair@stricom.army.mil**

**DPM: Mr. Jerry Sirmans**  
**(407) 384-5251 DSN 970-5251**  
**email: Jerry\_Sirmans@stricom.army.mil**

**IMO**  
**Mr. J. Russell Longenbach**  
**Instrumentation Mgmt Office**  
**ATTN: AMSTI-PMITTS-I**  
**12350 Research Parkway**  
**Orlando, FL 32826-3276**  
**(407) 384-5230 / DSN 970-5230**  
**e-mail:**  
**J\_Russ\_Longenbach@stricom.army.mil**

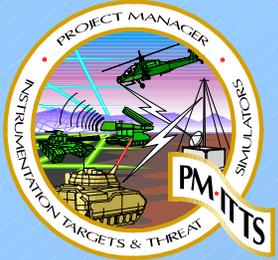
**TMO**  
**Mr. Stephen G. Milburn**  
**Targets Mgmt Office**  
**ATTN: AMSTI-PMITTS-Q**  
**Redstone Arsenal, AL 35898-7458**  
**(256) 876-4077/7764**  
**DSN 746-4077/7764**  
**e-mail:**  
**stephen\_milburn@stricom.army.mil**

**TSMO**  
**Mr. Mark C. Tutten**  
**Threat Systems Mgmt Office**  
**ATTN: AMSTI-PMITTS-S**  
**Redstone Arsenal, AL 35898-4761**  
**(256) 876-9656 x200**  
**DSN 746-9656 x200**  
**email:**  
**Mark\_Tutten@stricom.army.mil**





# PM ITTS Vision



*Recognized leader in the development, production and operation of leading edge Instrumentation, Targets and Threat Simulators supporting the Army's Transformation.*





# PM ITTS Industry Conference

## Conference I 7 & 8 Aug 2001

- **160 Industry Attendees**
- **77 Companies**
- **23 STOC Primes Represented**
- **10 Programs briefed**

## Conference II 20 March 2002

- **98 Industry Attendees**
- **61 Companies**
- **17 STOC Primes Represented**
- **13 Programs Briefed**





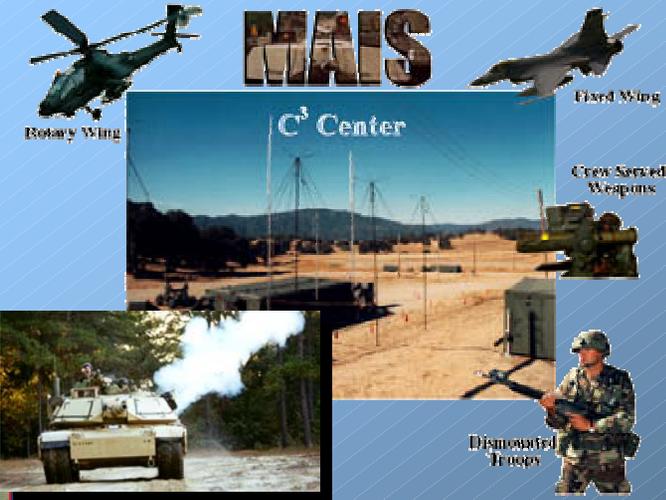
# PM's Comments

MK-19



- Common Test and Training

- Common M&S 'Base' for FCS



MAIS uses MILES' MGSS

**FAIR WARNING**



# On the Road to FCS

## STRICOM

Leading The Way in Test and Evaluation Support  
Throughout FCS Development



S & T

R&D and Procurement

Objective  
Force

### STRICOM

- Science and Technology Objectives
- Experimentation

### STRICOM

- Training Support



Program Manager  
Instrumentation, Targets, and  
Threat Systems

STRICOM'S PM for T&E

Developmental Testing

Operational Testing

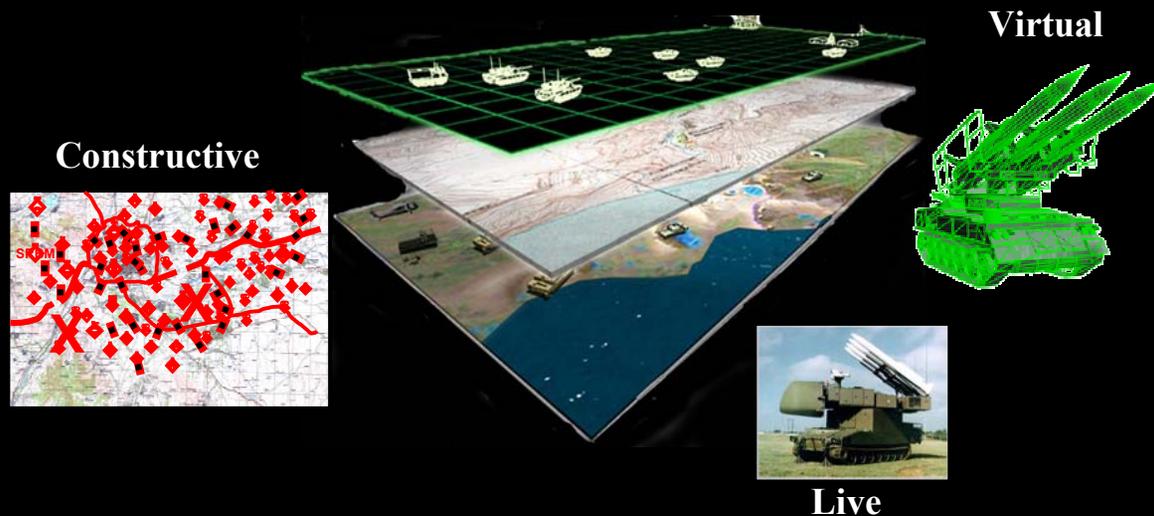
Training

# Instrumentation, Targets & Threat Systems



Providing Support Throughout Developmental Testing, Operational Testing, and Training

- Instrumentation Systems to Meet the T&E Technology Challenges Associated with FCS
- Targets required to Assess FCS Lethality
- Threat Systems to Accurately replicate the Threat Opposing Force Structure in order to Assess the Suitability, Effectiveness, and the Tactics, Techniques, and Procedures of Blue Force Systems



**FAIR WARNING**



# THREAT SYSTEMS MANAGEMENT OFFICE



- **Develops and Fields Representative Threat Systems**
- **Threat Simulator Characteristics:**
  - **Provides Appearance of Actual Threat**
  - **Prescribed Degree of Fidelity**
  - **Used for Testing and Training**
  - **Small Numbers / Not Destroyed in Use**





# CONTRACTING OPPORTUNITY (U)

## OTC Analysis, Simulation & Instrumentation Suite (OASIS)

CONTRACTING OPPORTUNITY

> \$7.0M

ESTIMATED VALUE

DURATION YRS: 2 MOS: 0

SM BUSINESS SET ASIDE: Y & N

### PROGRAM DESCRIPTION:

OASIS provides an overarching capstone program of programs to: research, define, acquire, sustain, and accredit or certify an integrated suite of technology consisting of instrumentation and simulation/ stimulation systems required for operational testing and evaluation of Army Transformation. OASIS provides a distributed synthetic operational environment, distributed data collection, centralized data management, common scenario development, a common operational test architecture, and a core capability for operational testing. Competitive actions will stem from development programs identified and established under the OASIS federate, such as the Communications Simulation (COMSIM) program.

Ms. Deb McLemore, 256-876-9656

CONTRACTS POINT OF CONTACT

TBD

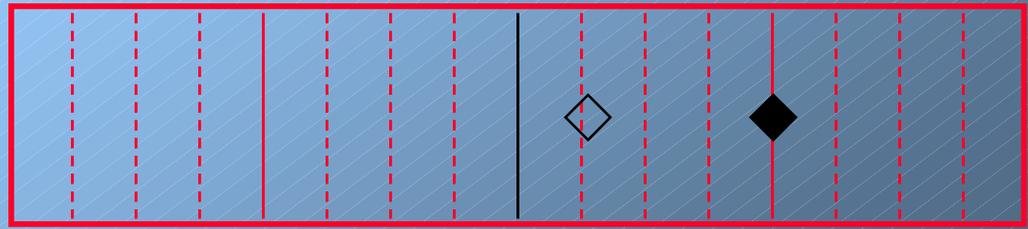
CONTRACT TYPE

TBD

KIND OF AWARD



◇	ISSUE SOLICITATION
◆	CONTRACT AWARD



FY02

FY03

FY04

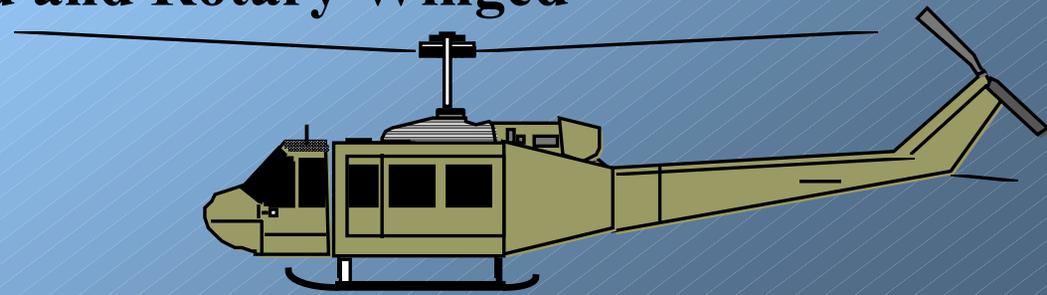
FY05



# TARGETS MANAGEMENT OFFICE



- **Develops, Fields, Operates, and Supports Ground and Airborne Target Vehicles**
- **Target Characteristics:**
  - **Supports Testing and Training**
  - **Economical and Expendable**
  - **Remotely Controlled or Stationary**
  - **Often Destroyed in Use**
- **DOD Lead for Ground and Rotary Winged Targets**





# CONTRACTING OPPORTUNITY (U)

**Sub-Scale Remotely Piloted Vehicle  
Target Hardware and Services**

**Kathryn Engle (256) 842-0381**

**CONTRACTING OPPORTUNITY**

**CONTRACT POINT OF CONTACT**

**< \$20.0M**

**FFP (Hardware, Flight Services (NTC and Homestation), Homestation Transportation)  
Cost Reimbursable (Travel)**

**ESTIMATED VALUE**

**5 Years (Includes Basic Plus Options)**

**CONTRACT TYPE**

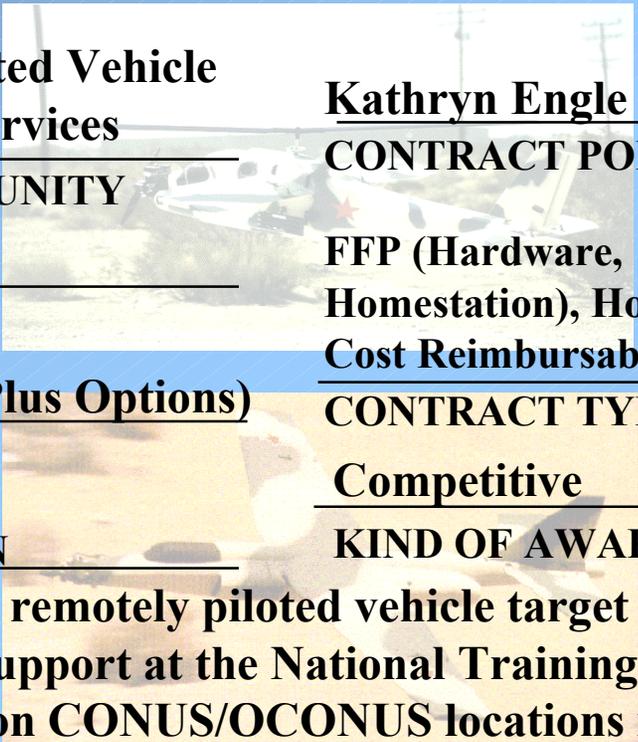
**DURATION**

**Competitive**

**PROGRAM DESCRIPTION**

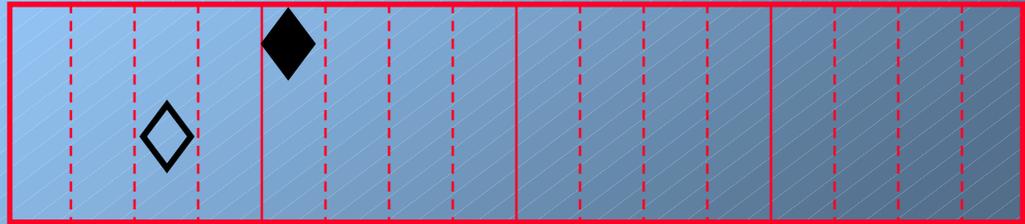
**KIND OF AWARD**

**Manufacture of sub-scale remotely piloted vehicle target (RPVT) hardware & associated flight service support at the National Training Center (NTC), Ft. Irwin, CA & various Homestation CONUS/OCONUS locations in support of U.S. Army testing/ training live fire and simulation events.**



 ISSUE SOLICITATION

 CONTRACT AWARD



FY02

FY03

FY04

FY05



# CONTRACTING OPPORTUNITY (U)

**Mobile Ground Target Operations  
Foreign Spares and Foreign Vehicles**

**Kathryn Engle (256) 842-0381**

**CONTRACTING OPPORTUNITY**

**CONTRACT POINT OF CONTACT**

**< \$35M**

**Indefinite Delivery/Indefinite Quantity  
(IDIQ) - Multiple Award**

**ESTIMATED VALUE**

**CONTRACT TYPE**

**5 Years (Includes Basic Plus Options)  
DURATION**

**Competitive**

**PROGRAM DESCRIPTION**

**KIND OF AWARD**

**Procurement of mobile ground target spares in support of the Army's Foreign Mobile Ground Target Fleet. Contract will contain option provisions for the procurement of complete foreign vehicles**

	ISSUE SOLICITATION
	CONTRACT AWARD





# CONTRACTING OPPORTUNITY (U)

## New Generation Army Targetry System (NGATS)

### CONTRACTING OPPORTUNITY

TBD

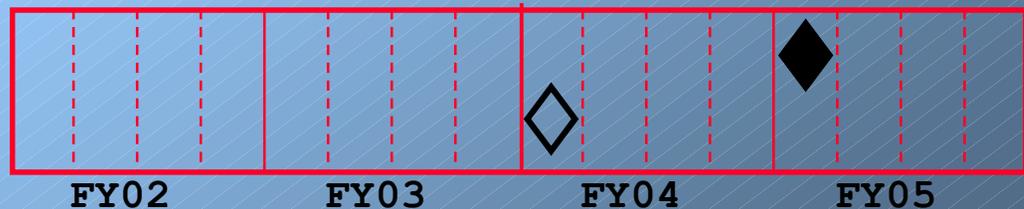
ESTIMATED VALUE

18-24 mo integrate & test / 2-5 yr fielding  
DURATION

### PROGRAM DESCRIPTION:

Successful offeror will procure and integrate hardware and software from a list of government qualified targetry components. Significant subcontracting opportunities will be available. The integrated system will be tested against a performance specification. After acceptance of the integrated system, the offeror will install targetry on Army training ranges as outlined in the Army Master Range Plan. Follow on procurement(s) will involve a similar integrated system tested against specifications with enhanced performance and installed as Block II of NGATS.

◇ ISSUE SOLICITATION  
◆ CONTRACT AWARD



James Fletcher (256) 876-7296

CONTRACTING OFFICER

Mixed Cost and Fixed Price

CONTRACT TYPE

Competitive - Trade-Off Process  
KIND OF AWARD



# CONTRACTING OPPORTUNITY (U)

## MQM-107 Production

### CONTRACTING OPPORTUNITY

< \$30.0M

### ESTIMATED VALUE

5 Years (Includes Basic Plus Options)

### DURATION

### PROGRAM DESCRIPTION:

Follow-On to the MQM-107E. Manufacture of MQM-107 targets utilizing a performance specification. Commercial Off-the-Shelf (COTS) solution meeting stated interoperability requirements with regard to existing support equipment. Separate contracts for engines, target group sets and recovery systems may be awarded. Contract will include options for Engineering Services.

Kathryn Engle (256) 842-0381

### CONTRACT POINT OF CONTACT

FFP (Hardware); CPFF (Engineering Services)

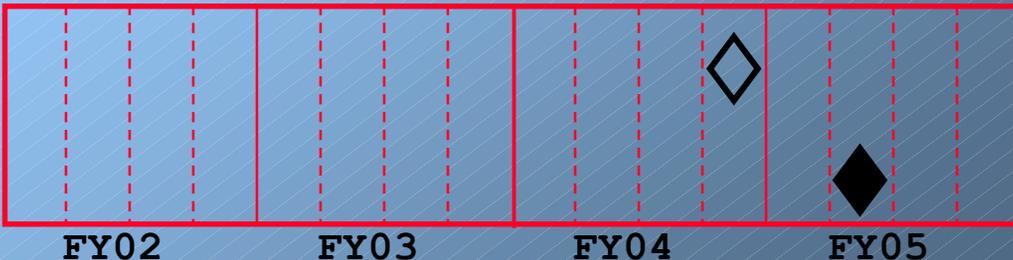
### CONTRACT TYPE

Competitive - Trade-Off Process

### KIND OF AWARD



	ISSUE SOLICITATION
	CONTRACT AWARD

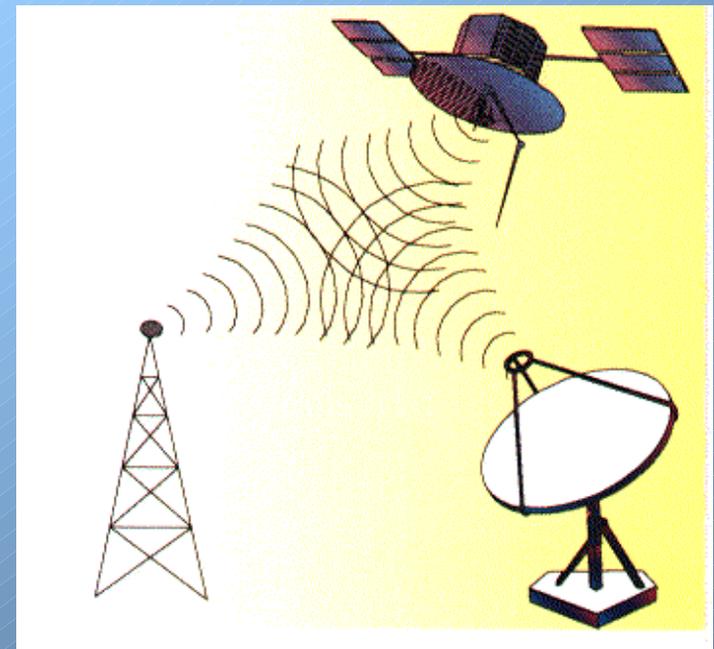




# INSTRUMENTATION MANAGEMENT OFFICE



- **Develops Major Instrumentation**
- **Instrumentation Characteristics**
  - **Direct and Remote Sensing**
  - **Detect, Measure, Record, Telemeter, Process and Analyze**
  - **Used for Technical or Operational Testing**





# CONTRACTING OPPORTUNITY (U)

## Digital Video Systems Development (DVSD)

**Ms. Shirley Eaton (407) 380-4093**

**CONTRACTING OPPORTUNITY**

**CONTRACTS POINT OF CONTACT**

**<\$5.0M**

**Negotiated Best Value**

**ESTIMATED VALUE**

**CONTRACT TYPE**

**DURATION: 1 YR 6 MOS**

**Competitive**

**SM BUSINESS SET ASIDE: N**

**KIND OF AWARD**

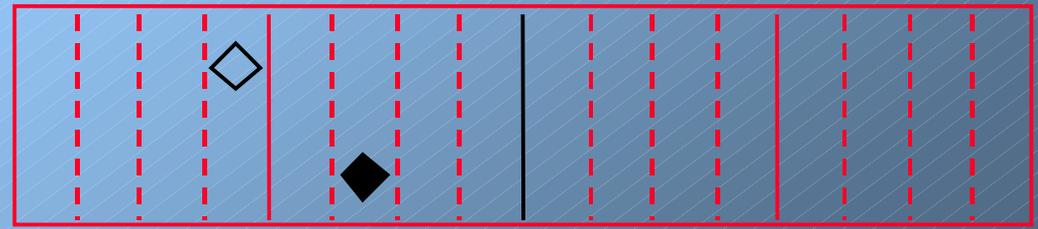


### PROGRAM DESCRIPTION:

Develop, integrate, advance and field digital video products and standards that will satisfy the needs of multi-service T&E range users in the areas of digital image acquisition, transfer, storage, processing and analysis. Integrate the products from the Navy Airborne Separation Video, the Army High Speed Massive Memory and the Air Force Digital Video Laboratory programs.

◇ ISSUE SOLICITATION

◆ CONTRACT AWARD



FY02

FY03

FY04

FY05



# CONTRACTING OPPORTUNITY (U)

## Hardened Subminiature Telemetry & Sensor System (HSTSS)

### CONTRACTING OPPORTUNITY

>\$0.5M - \$5.0M (Multiple Contracts)

### ESTIMATED VALUE

DURATION YRS: ~2 MOS: --

SM BUSINESS SET ASIDE: Y/N

### PROGRAM DESCRIPTION:

Advanced munitions, not envisioned during the initial HSTSS project, can now benefit from addition HSTSS developmental efforts. Three technologies that require immediate support are the Electromagnetic Gun (EM Gun), the Electro-Thermo-Chemical Gun (ETC), and advanced small caliber projectiles. ETC and advanced small caliber projectiles are being considered for the Army's Future Combat System (FCS). ETC and EM Gun technologies are being developed by all three Services in addition to our NATO allies. Additionally, at the OSD level, acquisition policy changes are being considered that will require embedded instrumentation.

Ms. Leslie Kennedy (407) 380-4043

CONTRACTS POINT OF CONTACT

Negotiated Best Value

CONTRACT TYPE

Competitive

KIND OF AWARD

◇ ISSUE SOLICITATION  
◆ CONTRACT AWARD

NATO Standard TM Fuze

FCS TM Products

Pressure/High G Sensor

FY02

FY03

FY04



# CONTRACTING OPPORTUNITY (U)

**Versatile Information System,  
Integrated, ONline (VISION)**

**CONTRACTING OPPORTUNITY**

**<\$5.0M**

**ESTIMATED VALUE**

**DURATION YRS: 2 MOS: 0**

**SM BUSINESS SET ASIDE: N**

**PROGRAM DESCRIPTION:**

**VISION is a web-based initiative for integrating information technology with instrumentation technology to provide a single stream on equipment from concept to combat. The VISION system aids modeling and simulation efforts by decreasing the time required for test and experimentation while providing high fidelity reusable data, life cycle cataloging and management of information.**

**Ms. Leslie Kennedy (407) 380-4043**

**CONTRACTS POINT OF CONTACT**

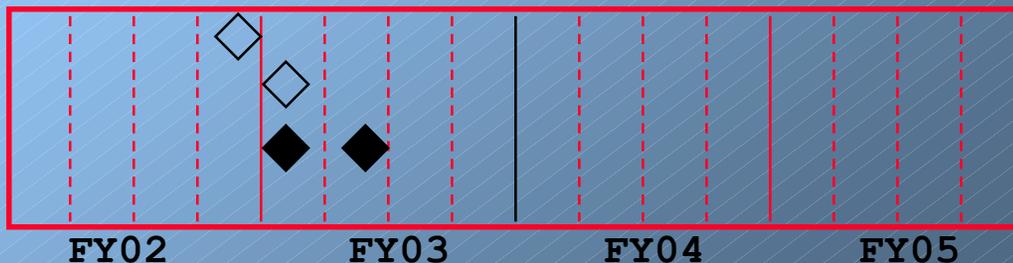
**Multiple**

**CONTRACT TYPE**

**TBD**

**KIND OF AWARD**

- ◇ ISSUE SOLICITATION
- ◆ CONTRACT AWARD





# CONTRACTING OPPORTUNITY (U)

## Flexible Interoperable Transceiver

### Execution (FITE)

#### CONTRACTING OPPORTUNITY

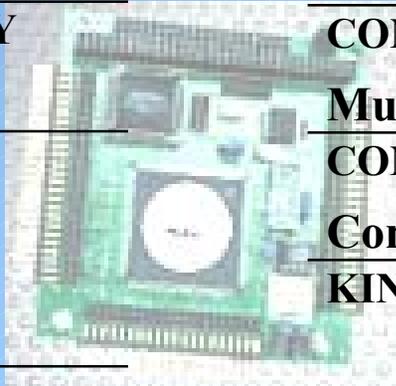
<\$5.0M

ESTIMATED VALUE

DURATION YRS: 3+ MOS:

SM BUSINESS SET ASIDE: Y

#### PROGRAM DESCRIPTION:



Ms. Leslie Kennedy (407) 380-4043

CONTRACTS POINT OF CONTACT

Multiple

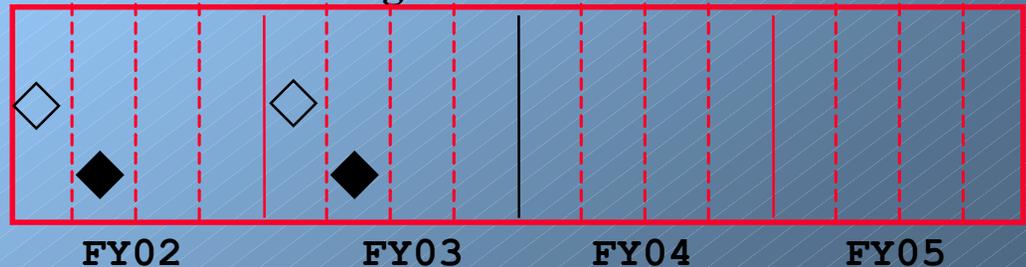
CONTRACT TYPE

Competitive

KIND OF AWARD

The Flexible Interoperable Transceiver Execution (FITE) project is developing a miniaturized prototype of the Joint Datalink Standard that defines the protocols for transmitting digital data via radio networks that can be used in a wide variety of military test and training applications. The transceivers procured using the FIT Standard (a potential for over 20,000 transceivers in FY03-07) will be highly tailorable in both hardware and software to optimize each application, provide the latest technology for spectrum efficiency and assures interoperability at and between ranges.

◇	ISSUE SOLICITATION
◆	CONTRACT AWARD





# CONTRACTING OPPORTUNITY (U)

## Foundation Initiative 2010 (FI 2010)

### CONTRACTING OPPORTUNITY

<\$5.0M

ESTIMATED VALUE

DURATION YRS: 2 MOS: --

SM BUSINESS SET ASIDE: N

TBD

CONTRACTS POINT OF CONTACT

Negotiated Best Value

CONTRACT TYPE

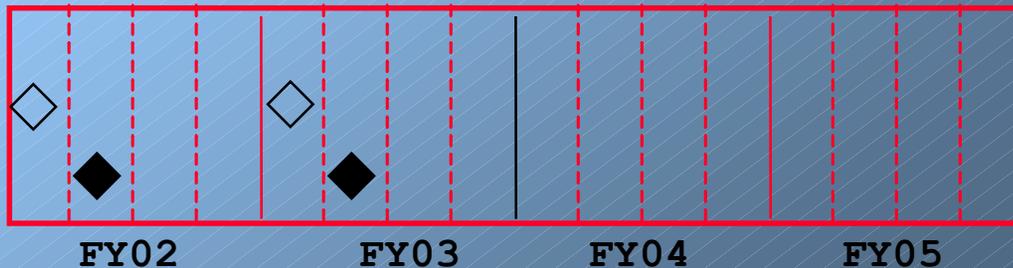
Competitive

KIND OF AWARD

### PROGRAM DESCRIPTION:

The FI 2010 vision is to enable interoperability among ranges, facilities and simulations in a quick and cost-efficient manner, and to foster reuse of range assets and of future range system developments. The FI 2010 concept builds on the High Level Architecture (HLA) and Test & Training Enabling Network Architecture (TENA) standards. Contracting opportunities in FY02 and FY03 will be limited to development of tools and the development of the TENA prototype architecture.

- ◇ ISSUE SOLICITATIONS
- ◆ CONTRACT AWARDS





# CONTRACTING OPPORTUNITY (U)

## Objective Mobile Infrared Scene

### Projector (MIRSP)

CONTRACTING OPPORTUNITY

\$5M

ESTIMATED VALUE

DURATION YRS: 5

SM BUSINESS SET ASIDE: N

### PROGRAM DESCRIPTION:

Phase II "Objective" MIRSP will provide for a transportable/mobile capability for test and evaluation of second generation FLIR target acquisition sensors, imaging infrared sensors & other Electro-optical Sensors for ground and aircraft platforms. MIRSP will also provide the capability for use as a sensor integration tool during sensor/ subsystem development. The MIRSP will project accurate, dynamic, and realistic in-band EO scene imagery to the subsystem/system under-test.

Ms. Shirley Eaton (407) 380-4093

CONTRACTS POINT OF CONTACT

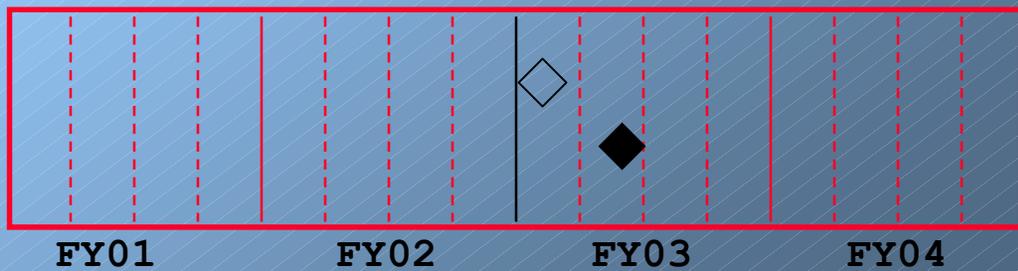
TBD

CONTRACT TYPE

Competitive

KIND OF AWARD

- ◇ ISSUE SOLICITATION
- ◆ CONTRACT AWARD





# CONTRACTING OPPORTUNITY (U)

## High Speed Massive Memory (HSMM)

CONTRACTING OPPORTUNITY

<\$5.0M

ESTIMATED VALUE

DURATION YRS: 6 MOS: --

SM BUSINESS SET ASIDE: N

Ms. Shirley Eaton (407) 380-4093

CONTRACTS POINT OF CONTACT

Negotiated Best Value

CONTRACT TYPE

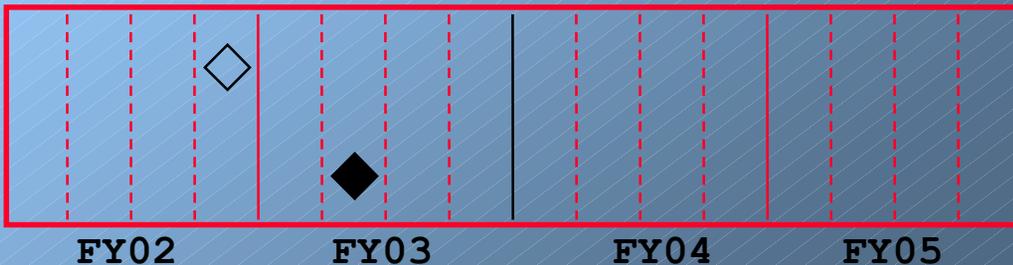
Competitive

KIND OF AWARD

### PROGRAM DESCRIPTION:

Deliver stand-alone high density, high frame rate visible focal plane staring array digital video devices as part of a very high speed data transfer and recording system. Includes massive memory devices (40+ GB Dynamic RAM, with 800 MB/sec data rates). Includes an automated data reduction station for processing digital image data files.

- ◇ ISSUE SOLICITATION
- ◆ CONTRACT AWARD





# CONTRACTING OPPORTUNITY (U)

## Objective RTCA Instrumentation

### CONTRACTING OPPORTUNITY

> Total of \$151M

### ESTIMATED VALUE

DURATION YRS: 15 MOS: 0

SM BUSINESS SET ASIDE: Y & N

### PROGRAM DESCRIPTION:

Provides field instrumentation to support Army Transformation Operational and Force-on-Force tests employing Real Time Casualty Assessment (RTCA). Fully transportable, encrypted, and high fidelity system which enables real time exercise monitoring and control of up to 1830 players. Supports five categories of players (ground vehicles, rotary wing, dismounted soldiers, and surrogate weapons). Pre-Planned Product Improvement (P3I) addresses future threats and weapon systems.

Ms. Shirley Eaton (407) 380-4093

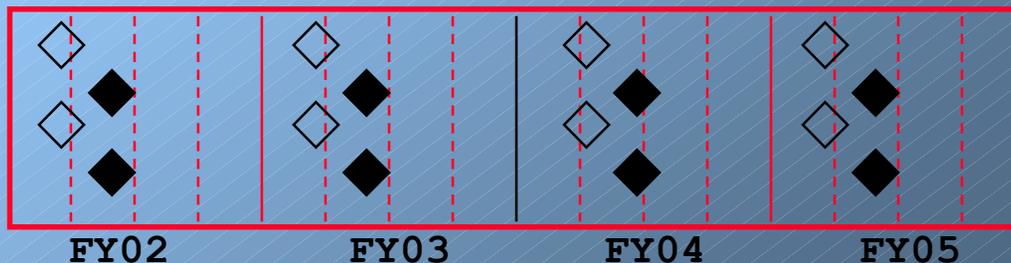
CONTRACTS POINT OF CONTACT

TBD

CONTRACT TYPE

TBD

KIND OF AWARD





# CONTRACTING OPPORTUNITY (U)

## Objective RTCA Instrumentation

CONTRACTING OPPORTUNITY

> \$5M

ESTIMATED VALUE

DURATION YRS: 13 MOS: 0

SM BUSINESS SET ASIDE: Y & N

### PROGRAM DESCRIPTION:

Objective RTCA Instrumentation develops and fields a digital instrumentation suite for testing and analysis of Army Transformation Digital Battlefield initiatives: geometric pairing and real-time flyout models to emulate smart weapons/munitions, air defense systems, and operations in obscured battlefield environment; synthetic jamming capability; gunner/commander's thru-sight display of virtual players and realistic battlefield attributes; powerful on-board computer/ software; via a robust communications link, continuously update the computer with real-time battlefield participant/event data; and a remote analyst capability to support information intensive data reduction/analysis.

Ms. Shirley Eaton (407) 380-4093

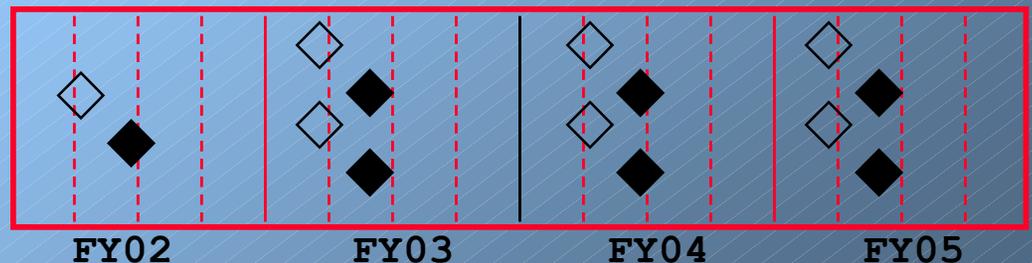
CONTRACTS POINT OF CONTACT

TBD

CONTRACT TYPE

TBD

KIND OF AWARD





# CONTRACTING OPPORTUNITY (U)

## Advanced Multi-Spectral Sensor & Subsystem Test Capabilities (AMSSTC)

**Felix Marrero x4735**

**CONTRACTING OPPORTUNITY**

**CONTRACTS POINT OF CONTACT**

**> \$20M**

**TBD**

**ESTIMATED VALUE**

**CONTRACT TYPE**

**DURATION YRS: 6 MOS: 0**

**TBD**

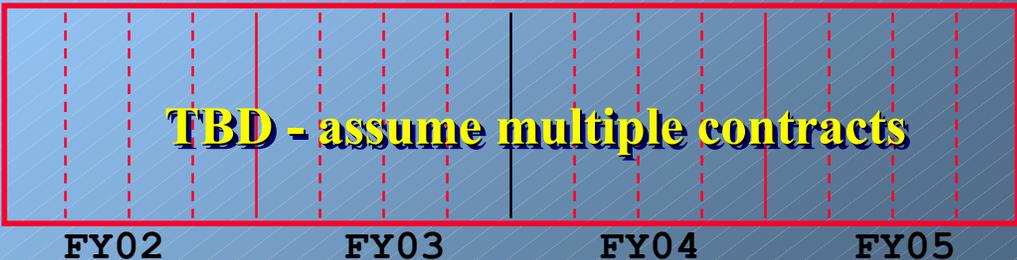
**SM BUSINESS SET ASIDE:**

**KIND OF AWARD**

**PROGRAM DESCRIPTION:**

Develop and expand current test capabilities at the RTTC. Enhance the IR and visible range/test facilities and add a MMW test capability. Includes hardware and software for these capabilities and communications link between these facilities. AMSSTC Element I instrumentation will fully simulate missile flight performance on “live” multi-sensor guided missiles.

- ◇ ISSUE SOLICITATION
- ◆ CONTRACT AWARD





# Next PM ITTS Industry Conference

**Projected date**

**13 November 2002**

AMCOM Acquisition Center - Microsoft Internet Explorer provided by U.S. Army STRICOM

File Edit View Favorites Tools Help Links >>

Address <https://www.proc.redstone.army.mil/acquisition/> Go



# Acquisition Center

U.S. Army Aviation and Missile Command



[View Security and Privacy Notice!](#) [View Accessibility Information Notice!](#)

## News Flasher - Updated 26-Apr-02

# Acquisition Webpages



**Visitor Information**



**Planned AMCOM Business Opportunities**

Center for Industry - Microsoft Internet Explorer provided by U.S. Army STRICOM

File Edit View Favorites Tools Help Links >>

Address <http://www.stricom.army.mil/INDUSTRY/> Go



## U.S. Army STRICOM

SIMULATION, TRAINING, & INSTRUMENTATION COMMAND

**Doing Business with STRICOM...**

[STRICOM Home](#) | [Site Map](#) | [Products & Services](#) | [Knowledge Center](#) | [Intranet](#) | [Feedback on this page](#)

### Center for Industry

To our Industry Partners:

STRICOM's mission is to provide the U.S. Army's soldiers with the best, most efficient and effective tools that are available. In doing so, we encounter technology areas that can be improved upon or new technology areas that are just developing. It has been my experience that the answers to our challenges lie within industry.

In the [Challenges](#) section of our web site, we have identified some areas of opportunity where you, our industry partners, can submit ideas and solutions to those problems. I invite you to contact my representatives listed within each area to find out more information about the technology areas and submit your ideas.

Our [Electronic Commerce](#) area will let you know how we are making it more efficient for you to work with STRICOM.

The [Partnering](#) area lets you know how we work together as team.

In the [TILO](#) section you can find pointers to our [competitive announcements](#).

[STRICOM promotes Value Engineering](#) within the Command and with our industry

**Search**  
 STRICOM Website  
 [Go!](#) [Advanced](#)

**Personnel Locator**  
 [Go!](#) [Advanced](#)

**Command Group**  
[Command Leadership](#)  
[Command Analysis & Planning Office](#)  
[Organization Chart](#)  
[About Us](#)

**Directorates**  
[Contracts](#)  
[Operations & Support](#)  
[Research & Engineering](#)  
[Resource Management](#)

**Project/Product Managers**  
[PM CATT](#)  
[PM ITTS](#)  
[PM STI](#)



# Visit Us On The Web: Acquisition Webpages



- <http://www.stricom.army.mil/INDUSTRY/>



- <https://www.proc.redstone.army.mil/acquisition/>