



AUTOMATED INTELLIGENCE AND ELECTRONIC WARFARE TEST SYSTEM (AI/EWTS)

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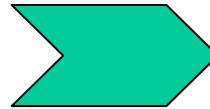
PM-ITTS



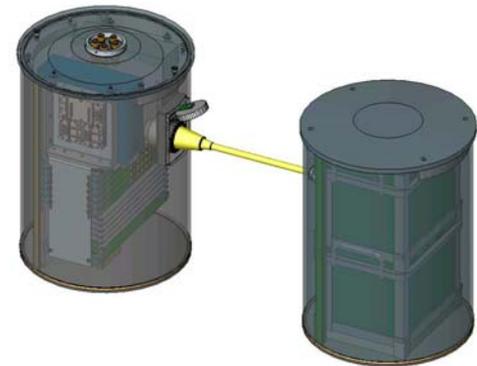
CURRENT AI/EWTS EMITTERS



INDEPENDENT
MANUAL



MINIATURIZED AI/EWTS EMITTERS



NETWORKED
AUTOMATED



ARMY THREAT SYSTEMS PROGRAM

Requirement

Requirement Document	IMASE ORD
Approval Date	2002
Proponent	ATEC
Contractor	
Basis of Issue	N/A
Executing Agent	PEO-STRI/PM-ITTS/TSMO



Creating the Operational Test Environment via M&S&I



TRADOC Approved Scenarios (MACRO)

Scenario Enhancement

- Threat Based
- Object Level Resolution
- Equipment attributes
- Terrain/WX
- Visualization
- Soldier Products

Scenario Data

(MICRO)

Scenario Data

(SIS)
Sensor Interface System

- Master Events List
- RF Signatures
- Scoring Database

- Simulator
- RISTA Sensor Models
- Message/Product Generator
- Scoring Database

SCENARIO GENERATION

PRODUCT DEVELOPMENT

PRODUCT DELIVERY

PERFORMANCE SCORING

RF Over the Air

Live

Virtual

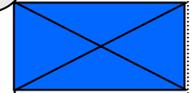
RF Injection

Hardware

Test Environment



Sensor Data/Reports



TOC
"decision maker & value added"

Constructive Messaging

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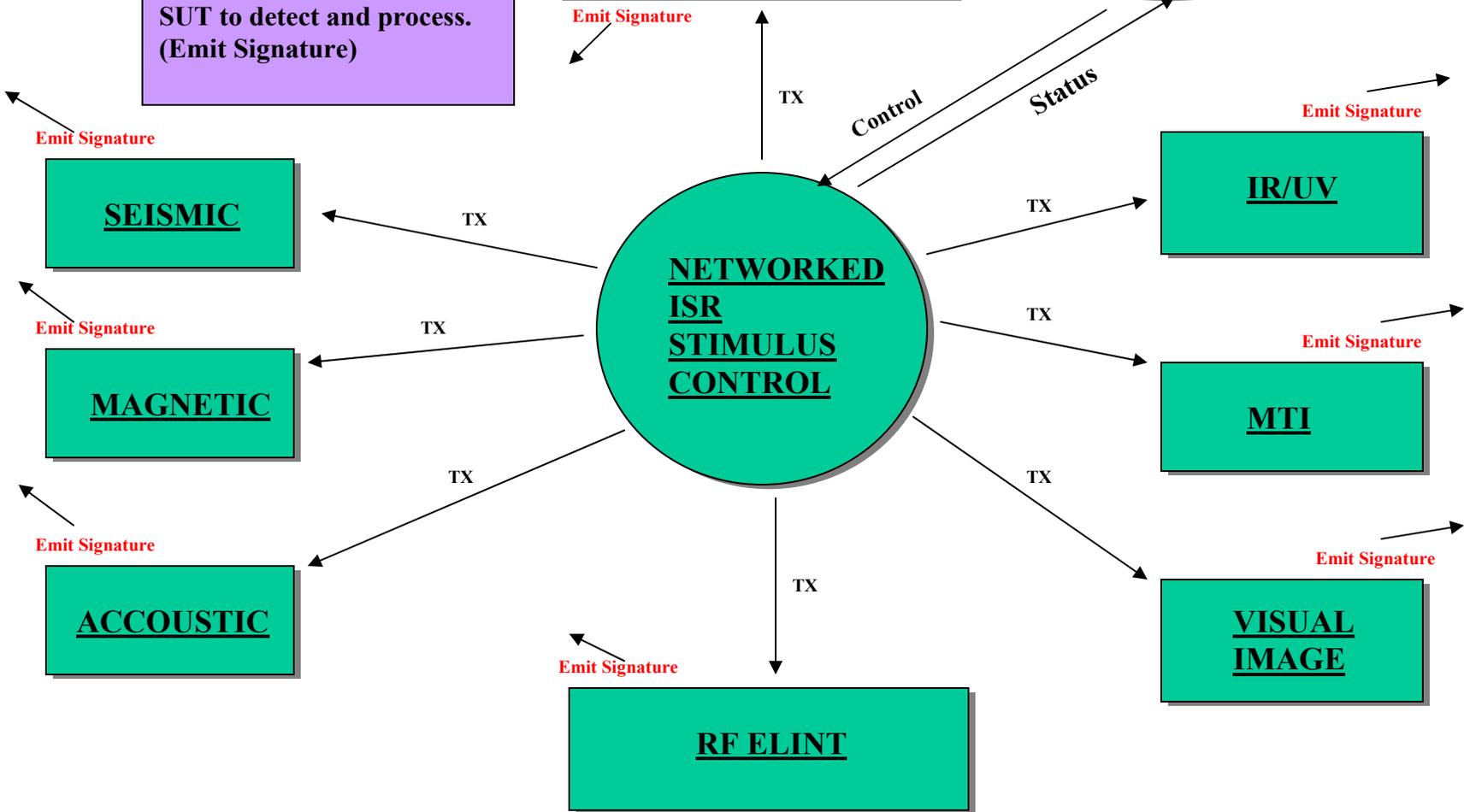
FUTURE AI/EWTS PRODUCTS



Signal simulator generates a coherent signature in appropriate domains representing a target for the SUT to detect and process. (Emit Signature)

RF Comm
Examples: DERFI, AI/EWTS ...

ITOC/OTCC
Over-all Command and Control



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CONTRACTING OPPORTUNITY (U)

Automated Intelligence and Electronic Warfare Test System (AI/EWTS)

CONTRACTING OPPORTUNITY

> \$13.0M

ESTIMATED VALUE

DURATION YRS: 5 MOS: 0

SM BUSINESS SET ASIDE: N

PROGRAM DESCRIPTION:

This project greatly enhances the AI/EWTS transmission capability. AI/EWTS is an automated system which replicates threat communication transmitters providing targets and a repeatable test scenario for testing intelligence systems. The scenario and all threat detectables are provided thru our M&S architecture, IMASE. The system consists of a control center, the control data link, and an array of 11 transmitters. This project will develop and procure portable unmanned emitter systems, modular multispectral appliqué, and expand the control/monitoring capability. The program will develop a robust RF Comms emitter, adaptive RADAR targets, and the multispectral appliqué. This project produces additional RF emitters to expand the required emission density for testing. The new emitters are fully compatible and operate in concert with the current AI/EWTS systems. Enhancements include: increase in frequency range, and new commercial and noncom signals. New capabilities include acoustic, seismic, and magnetic emitter appliqué. The addition of these system will yield the proper threat density and capabilities required to fully stress FCS ISR compon

Ms. Deb McLemore, 256-876-9656

CONTRACTS POINT OF CONTACT

TBD

CONTRACT TYPE

TBD

KIND OF AWARD

◇ ISSUE SOLICITATION

◆ CONTRACT AWARD

