

**Terrestrial Multi-intelligence
Capability System (TMiCS)
(version 2.0)**

Date: 2015-02-04

ICoE - Mil Intelligence School

This page intentionally left blank

Table Of Contents

1.0 System Description

2.0 Target Audience

3.0 Assumptions

4.0 Training Constraints

5.0 System Training Concept

5.1 New Equipment Training Concept (NET)

5.2 Displaced Equipment Training (DET)

5.3 Doctrine and Tactics Training (DTT)

5.4 Training Test Support Package (TTSP)

6.0 Institutional Training Domain

6.1 Institutional Training Concept and Strategy

6.1.1 Product Lines

6.1.1.1 Training Information Infrastructure

6.1.1.1.1 Hardware, Software, and Communications

Systems

6.1.1.1.2 Storage, Retrieval, and Delivery

6.1.1.1.3 Management Capabilities

6.1.1.1.4 Other Enabling Capabilities

6.1.1.2 Training Products

6.1.1.2.1 Courseware

6.1.1.2.2 Courses

6.1.1.2.3 Training Publications

6.1.1.2.4 Training Support Package (TSP)

6.1.1.3 TADSS

6.1.1.3.1 Training Aids

6.1.1.3.2 Training Devices

6.1.1.3.3 Simulators

6.1.1.3.4 Simulations

6.1.1.3.5 Instrumentation

6.1.1.4 Training Facilities and Land

6.1.1.4.1 Ranges

6.1.1.4.2 Maneuver Training Areas (MTA)

6.1.1.4.3 Classrooms

6.1.1.4.4 CTCs

6.1.1.4.5 Logistics Support Areas

6.1.1.4.6 Mission Training Complex (MTC)

6.1.1.5 Training Services

6.1.1.5.1 Management Support Services

6.1.1.5.2 Acquisition Support Services

6.1.1.5.3 General Support Services

6.1.2 Architectures and Standards Component

6.1.2.1 Operational View (OV)

6.1.2.2 Systems View (SV)

6.1.2.3 Technical View (TV)

6.1.3 Management, Evaluation, and Resource (MER) Processes

Component

6.1.3.1 Management

6.1.3.1.1 Strategic Planning

6.1.3.1.2 Concept Development and Experimentation

(CD&E)

6.1.3.1.3 Research and Studies

6.1.3.1.4 Policy and Guidance

6.1.3.1.5 Requirements Generation

6.1.3.1.6 Synchronization

6.1.3.1.7 Joint Training Support

6.1.3.2 Evaluation

6.1.3.2.1 Quality Assurance (QA)

6.1.3.2.2 Assessments

6.1.3.2.3 Customer Feedback

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

6.1.3.3 Resource

7.0 Operational Training Domain

7.1 Operational Training Concept and Strategy

7.1.1 Product Lines

7.1.1.1 Training Information Infrastructure

7.1.1.1.1 Hardware, Software, and Communications

Systems

7.1.1.1.2 Storage, Retrieval, and Delivery

7.1.1.1.3 Management Capabilities

7.1.1.1.4 Other Enabling Capabilities

7.1.1.2 Training Products

7.1.1.2.1 Courseware

7.1.1.2.2 Courses

7.1.1.2.3 Training Publications

7.1.1.2.4 TSP

7.1.1.3 TADSS

7.1.1.3.1 Training Aids

7.1.1.3.2 Training Devices

7.1.1.3.3 Simulators

7.1.1.3.4 Simulations

7.1.1.3.5 Instrumentation

7.1.1.4 Training Facilities and Land

- 7.1.1.4.1 Ranges
 - 7.1.1.4.2 Maneuver Training Areas (MTA)
 - 7.1.1.4.3 Classrooms
 - 7.1.1.4.4 CTCs
 - 7.1.1.4.5 Logistics Support Areas
 - 7.1.1.4.6 Mission Command Training Centers (MCTC)
 - 7.1.1.5 Training Services
 - 7.1.1.5.1 Management Support Services
 - 7.1.1.5.2 Acquisition Support Services
 - 7.1.1.5.3 General Support Services
 - 7.1.2 Architectures and Standards Component
 - 7.1.2.1 Operational View (OV)
 - 7.1.2.2 Systems View (SV)
 - 7.1.2.3 Technical View (TV)
 - 7.1.3 Management, Evaluation, and Resource (MER) Processes
 - 7.1.3.1 Management
 - 7.1.3.1.1 Strategic Planning
 - 7.1.3.1.2 Concept Development and Experimentation
 - 7.1.3.1.3 Research and Studies
 - 7.1.3.1.4 Policy and Guidance
 - 7.1.3.1.5 Requirements Generation
 - 7.1.3.1.6 Synchronization
 - 7.1.3.1.7 Joint Training Support
 - 7.1.3.2 Evaluation
 - 7.1.3.2.1 Quality Assurance (QA)
 - 7.1.3.2.2 Assessments
 - 7.1.3.2.3 Customer Feedback
 - 7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)
 - 7.1.3.3 Resource Processes
- Component
- (CD&E)
- 8.0 Self-Development Training Domain
 - 8.1 Self-Development Training Concept and Strategy
 - 8.1.1 Product Lines
 - 8.1.1.1 Training Information Infrastructure
 - 8.1.1.1.1 Hardware, Software, and Communications
 - 8.1.1.1.2 Storage, Retrieval, and Delivery
 - 8.1.1.1.3 Management Capabilities
 - 8.1.1.1.4 Other Enabling Capabilities
 - 8.1.1.2 Training Products
 - 8.1.1.2.1 Courseware
- Systems

- 8.1.1.2.2 Courses
 - 8.1.1.2.3 Training Publications
 - 8.1.1.2.4 Training Support Package (TSP)
 - 8.1.1.3 Training Aids, Devices, Simulators and Simulations
- (TADSS)
- 8.1.1.3.1 Training Aids
 - 8.1.1.3.2 Training Devices
 - 8.1.1.3.3 Simulators
 - 8.1.1.3.4 Simulations
 - 8.1.1.3.5 Instrumentation
 - 8.1.1.4 Training Facilities and Land
 - 8.1.1.4.1 Ranges
 - 8.1.1.4.2 Maneuver Training Areas (MTA)
 - 8.1.1.4.3 Classrooms
 - 8.1.1.4.4 CTCs
 - 8.1.1.4.5 Logistics Support Areas
 - 8.1.1.4.6 Mission Command Training Centers (MCTC)
 - 8.1.1.5 Training Services
 - 8.1.1.5.1 Management Support Services
 - 8.1.1.5.2 Acquisition Support Services
 - 8.1.1.5.3 General Support Services
 - 8.1.2 Architectures and Standards Component
 - 8.1.2.1 Operational View (OV)
 - 8.1.2.2 Systems View (SV)
 - 8.1.2.3 Technical View (TV)
 - 8.1.3 Management, Evaluation, and Resource (MER) Processes
- Component
- 8.1.3.1 Management
 - 8.1.3.1.1 Strategic Planning
 - 8.1.3.1.2 Concept Development and Experimentation
- (CD&E)
- 8.1.3.1.3 Research and Studies
 - 8.1.3.1.4 Policy and Guidance
 - 8.1.3.1.5 Requirements Generation
 - 8.1.3.1.6 Synchronization
 - 8.1.3.1.7 Joint Training Support
 - 8.1.3.2 Evaluation
 - 8.1.3.2.1 Quality Assurance (QA)
 - 8.1.3.2.2 Assessments
 - 8.1.3.2.3 Customer Feedback
 - 8.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)
 - 8.1.3.3 Resource Processes

- A Milestone Annex
- B References
- C Coordination Annex

This System Training Plan (STRAP) is preliminary.
Front end analysis (mission, task, job) is ongoing. ICoE - Mil Intelligence School will amend and update this STRAP as details solidify.

ICoE - Mil Intelligence School is the proponent for this STRAP.
Send comments and recommendations directly to: James A Callahan

Comm: 5205381142

DSN:

Email:

Mailing address:

550 Cibique room 234

fort huachuca, az 85613

1.0 System Description

Background: To support future Brigade Combat Team (BCT) and Expeditionary Military Intelligence Brigade (E-MIB), Multifunctional Teams (MFT) requires an integrated Multiple-Intelligence (Multi-INT) capability to meet mission demands of maneuver battalions. A Terrestrial Multi-intelligence Capability System (TMiCS) Multi-INT construct, consisting of Human Intelligence (HUMINT) and Signals Intelligence (SIGINT) Soldiers, will provide Commanders, at all echelons, the timely and accurate actionable intelligence required to execute mission sets across the range of military operations.

The Terrestrial Multi-intelligence Capability System (TMiCS) consist of existing Program-of-Record (POR) and Quick Reaction Capabilities (QRC) providing signals intelligence (SIGINT), human intelligence (HUMINT), and site exploitation capabilities. (TMiCS) integrates Prophet, Counterintelligence HUMINT Automated Reporting and Collection System (CHARCS), Biometrics, Distributed Common Ground System- Army (DCGS-A), Site Exploitation, or like capabilities managed and produced by their respective Program Management Office (PMO) (e.g., Prophet, DCGS-A, and CHARCS).

The TMiCS system will consist of one Multi-INT and one SIGINT host platform residing on Joint Light Tactical Vehicles (JLTV) with common bus backplane architectures capable of receiving requisite hardware and software loads. A wideband Beyond Line-of-sight capability will provide operators the ability to receive, process, and transmit data during vehicle mounted On-the-Move (OTM), at-the-halt (ATH), fixed-site, and man-pack operations. The OTM and On-the-Objective (OTO) communications infrastructure enables near-real-time (NRT) cross-sensor data and information sharing plus the ability to leverage expertise in other organizations at worldwide locations to accelerate the intelligence cycle through the use of the following networks: Non-secure Internet Protocol Router Network (NIPRNet), Secret Internet Protocol Router Network (SIPRNet), Joint Worldwide Intelligence Communications System (JWICS), and other classified networks. TMiCS will provide collaborative geo-location as a registered node on the Theater Net-centric Geo-location (TNG) architecture.

TMiCS will provide integrated, close-access Multi-INT collection, exploitation, evaluation, and network-enabled reporting of actionable intelligence and combat information to support the maneuver commander and formations throughout the entire Range of Military Operations. Brigade Combat Teams (BCT) and Expeditionary Military Intelligence Brigades (E-MIB) will have responsive, adaptive, multidiscipline intelligence collection and tactical site exploitation capabilities that can move with maneuver forces

and provide access to robust intelligence repositories and analytical resources. Additionally, TMiCS will provide the ability to collaborate in a NRT environment with geographically displaced analysts and subject matter experts in order to enhance intelligence collection and exploitation.

2.0 Target Audience

The target audience for TMiCS training includes all MI Soldiers, with needs ranging from awareness to specific training requirements for operators, maintainers/integrators, and Leaders.

System operators requiring comprehensive training on system employment while functioning as an MFT:

- 35P (Cryptological Linguist)
- 35M (HUMINT Collector)

Maintainers requiring training on all unit level maintenance tasks:

- 35T (MI Systems Maintainer/Integrator)

Analysts require training on all MFT operations to drive SIGINT collection:

- 35N10 AIT (Signals Collection Analyst)

MI Officers, Warrant Officers, and Noncommissioned Officers will receive an overview of the TMiCS system and how to employ the system in the following courses:

- MI Basic Officer Leader Course (BOLC)
- MI Captains Career Course (CCC)
- MI Pre-Command Course (PCC)
- MI Warrant Officer Basic Course (WOBC) Common Core
- Advanced Leader Course (ALC)(35M, 35P, and 35T only)
- Senior Leader Course (SLC)
- Information Collection Planners Course (ICPC)

3.0 Assumptions

- There will be a TMiCS PMO, resourced to manage and provide fielding and training of the TMiCS system.

Facilities

- Certified Sensitive Compartmented Information (SCI) Facility (SCIF) classrooms available for training at Fort Huachuca, Goodfellow Air Force Base (GAFB), unit locations, and Foundry sites
- Secured pads and motor pools available to park, maintain the vehicles, and for training

Equipment

- 35P10 course at GAFB has the SIGINT training suite available to train using the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) system virtual SIGINT environment for use in stimulating the operational software.
- 35M10 course at Fort Huachuca shall have CHARCS and Biometrics equipment available to train.
- Each system component Program Management Office (PMO) will provide equipment required for institutional training IAW that component's STRAP.

Training

- There will be a consolidated TMiCS PMO resourced New Equipment Training Team (NETT) to train all system critical tasks at each system fielding.
- The Training Support Packages (TSP) developed for training the components of the TMiCS by their respective PMO will be made available to the NETT and New Systems Training and Integration Directorate (NSTID) training developers for development of the TMiCS TSP.
- 35M10 course will contain CHARCS and Biometrics training.
- There will be no Site Exploitation training conducted at the institution.

Prerequisites for attending the TMiCS New Equipment Training (NET) are:

- Be MOS qualified
- Possess a Top Secret (TS) clearance with SCI access
- 35Ps will have access to other classified networks and software
- Licensed on the program identified vehicle

Training Devices

- Existing training devices, specifically existing Target Signature Arrays (TSA), which are part of systems that migrate/transition to the TMIcs will become the basis for the TSAs applicable for TMIcs. PM TMIcs unique equipment or software tools will be integrated into these TSAs or (based on engineering determination) require the development of a new TSA to support the additional training requirements.

4.0 Training Constraints

BAT-A

Constraint	Probable Impact	Mitigating Efforts
No Basis of Issue Plan (BOIP)	With the exception of deploying units, units do not have BAT-A equipment to sustain skills learned at NET.	Station biometrics equipment to Brigade Combat Teams (BCT) during the Train/Ready and Available Force Pools of the ARFORGEN cycle.
Limited availability of FSE to cover maintenance and network operations during collective events.	Full integration of systems is restricted during collective training leaving units untrained on system capabilities.	Merge FSE duties into an Army MOS.

***NOTE: Chart taken from BAT-A STRAP.

CHARCS

Constraint	Probable Impact	Mitigating Efforts

Theater guidance to use Other CI/HUMINT reporting tool/database.	Soldiers are hindered in their reporting capability in that they are using theater specific reporting tool/database.	Allow Soldiers to use CHARCS. CHARCS publishes reports into DCGS-A.
Lack of unit training after NET	Soldiers are not as familiar with the software as they could be and therefore end up needing refresher training before deployments.	Unit Commanders will ensure that Soldiers are using the CHARCS during Sergeants Time Training (STT), Field Training Exercises (FTX) and Combined Training Center (CTC) training events.

***NOTE: Chart taken from CHARCS STRAP.

DCGS-A

Constraint	Probable Impact	Mitigating Efforts
DCGS-A system critical tasks and concepts require a thorough sustainment training	It is difficult for Soldiers to sustain the requisite critical tasks and skills to	The DCGS-A Material Developer (MATDEV) must develop a comprehensive leave behind TSP (to

<p>capability to ensure operator/analyst skills don't deteriorate over time.</p>	<p>operate the system without appropriate tools beyond Lesson Plans. There is a need for interactive teaching from IMIs and simulations.</p>	<p>include IMIs) for sustainment and an embedded training capability IAW the Intelligence and Electronic Warfare Tactical Proficient Trainer (IEWTPT) concept. This capability will be enabled by the DCGS-A Target Signature Array (TSA). Also, operational training sites and programs (to include Mission Training Complex (MTC), Foundry, Mission Command Training Program (MCTP), and Combat Training Centers (CTC)) will need to be utilized to support sustainment training of DCGS-A.</p>
--	--	---

***NOTE: Chart taken from DCGS-A STRAP.

SIGINT

Constraint	Probable Impact	Mitigating Efforts
<p>Prerequisite qualifications to NET:</p> <ul style="list-style-type: none"> - 35M, 35P, or 35T MOS qualified - Access to other classified networks (requires polygraph or waiver) - Proficiency with SINCGARS 	<p>PMO and NSTID cannot conduct training effectively or completely unless unit ensures Soldiers have met prerequisites.</p>	<p>Require a memorandum signed by the unit commander prior to NET/DTT with Soldiers identified by name that satisfy the prerequisite requirements.</p>
<p>Local and federal regulations and agreements restrict the collection of the full spectrum of Prophet systems.</p>	<p>PMO / NSTID and the unit cannot conduct proper NET/DTT and sustainment training without IEWTPT and TSA. The signals environment generated by current signals-generating lacks sufficient realism of an actual signal-rich environment. Soldiers will not have sufficient experience to deal with an operational deployment of the system with maximum effectiveness.</p>	<p>NETT will use interim Commercial off-the-shelf/Government off-the-shelf (COTS/GOTS) equipment to simulate a signal environment.</p> <p>The unit and the institution will use the Prophet training suite solution to simulate COTS workstations connected to a server stack in a classroom environment until implementation of a completed TSA.</p>

***NOTE: Chart taken from Prophet STRAP.

5.0 System Training Concept

TMiCS system training consists of Institutional, Operational, and Self-development training for the 35M, 35P, and 35T MOS. Institutional training for 35T MOS will include comprehensive training on the unit level maintenance task, as well as maintenance and trouble-shooting of the TMiCS system. Leader training at the institution will consist of system overview at the appropriate institutional courses. NSTID will ensure Doctrine and Tactics Training (DTT) is incorporated throughout NET and included in the TSP. NET will be a blend of hands-on system critical task instruction and practical exercises. NET will culminate in a collective training event. NET practical exercises and the CAPSTONE event will use simulation data/information provided by the IEWTPT and the applicable TSAs for TMiCS.

The assigned PMO will resource NET conducted In Accordance With (IAW) an approved Training and Doctrine Command (TRADOC) TSP. Unit sustainment training will leverage existing IMIs, and Leader's Training, conducted at-home-station and facilitated with TMiCS's Multi-INT components and TSP; these will be made available on appropriate access domains IAW their access level.

The NET training concept is the same for Active Army and Reserve Component consisting of separate HUMINT and SIGINT training culminating with an integrated capstone exercise.

TRAINING DOMAINS			
	INSTITUTIONAL	OPERATIONAL	SELF DEVELOPMENT

35M10 Human Intelligence Collector	Hands on training using CHARCS and Biometrics equipment	NET/DTT, OJT, TSP, IEWTPT Foundry	TSP, IMI
35P10 Cryptologic Linguist	TSA will be integrated within the appropriate blocks of instruction	NET/DTT, OJT, TSP, IEWTPT Foundry	TSP, IMI
35T Military Intelligence Systems Maintainer/Integrator	Comprehensive training on actual TMiCS systems during AIT	NET/DTT, OJT, TSP, IEWTPT Foundry	TSP, IMI
35N10	Overview	NET/DTT, OJT, TSP, IEWTPT, Foundry	TSP, IMI
Leaders	Overview	NET/DTT, OJT, TSP, IEWTPT, Foundry	TSP, IMI

5.1 New Equipment Training Concept (NET)

The NET, a scenario driven and learner centric event, is conducted concurrently with the fielding of TMiCS. Doctrine and Tactics Training (DTT), threaded throughout the entire NET, includes a distinct, as well as combined HUMINT, SIGINT, and maintainer training that incorporates systems familiarization, practical exercises, and a Situational Training Exercise (STX). TMiCS NET consists of MOS-specific and non-specific system critical tasks containing fundamentals of operation and hands-on training using the fielded TMiCS system at the gaining unit's location. Upon completion of the NET, the NET Team (NETT) provides the unit with a complete TSP consisting of Program of Instruction (POI), Lesson Plans (LP), student guides, Technical Manuals (TM), Interactive Electronic Technical Manual (IETM), and any IMI. The designated PMOs will ensure development and delivery of updates or supplements to training materials to support specific Technical Insertions (TI). The NET culminates with an integrated HUMINT, SIGINT, and maintainer STX.

5.2 Displaced Equipment Training (DET)

Not Applicable

5.3 Doctrine and Tactics Training (DTT)

DTT engrains why they are doing the task and what the expected outcome/result will be. DTT is a combination of the PMO delivered training material (LPs, Training Aids, Devices, Simulators, and Simulations [TADSS], manuals, IMIs, etc.) coupled with the proponent developed (by a NSTID Training Developer input. The input includes scenarios that prompt the user to utilize the system while the PMO's NET team walks the student through the required action. Practical exercises will be introduced which will require the student to work independently and assess their ability to accomplish the mission using the system/capability.

Elements of the DTT will be used to inform commanders and leaders of the capabilities of the system, how it is deployed, missions it supports, and how receiving the system affects the unit (logistics, manning, and training).

5.4 Training Test Support Package (TTSP)

NSTID will develop the TTSP in conjunction with the PMO provided Gross Task List (GTL) for TMiCS tests and evaluations. The TTSP will describe the methods, procedures, and resources required to evaluate and certify Soldiers on individual and collective tasks prior to testing/evaluation. The TTSP will include the training for system operation, doctrine, tactics, and maintenance. NSTID will provide the initial TTSP to the Army operational tester 9 months (270 days) before test and the final TTSP 2 months (60 days) before test player training. The PMO will provide the integrated gross task list and NSTID will develop a critical task list.

The initial TTSP will include:

- Approved STRAP
- Test Training Certification Plan (TTCP)
- Training data requirements (instructional material to be revised before beginning training)

The final TTSP will consist of all of the above and the following:

- Training schedule
- POI for each affected MOS/AOC (officer, warrant officer, and enlisted)
- Target audience description
- Draft Soldiers Training Publications (STP) consistent with analysis data
- LPs
- System Critical Task List (CTL)
- Safety Review
- Environmental Review
- List of all test players by name

6.0 Institutional Training Domain

Institutional learning at all levels will reflect the full spectrum overview of TMiCS's doctrine and TTPs. The MI Noncommissioned Officer Academy (NCOA), MI WOBC, MI BOLC, MICCC, MIPCC, and United States Army Intelligence Center of Excellence (USAICoE) AIT (35M, 35P, and 35T) Courses will integrate this training. The 35T course will include comprehensive training on the unit level maintenance tasks.

6.1 Institutional Training Concept and Strategy

Institutional leader training will orient Leaders on the use of TMiCS capabilities and the integration of those components into operations.

35P training will include familiarization with SIGINT system collection and reporting software using the SIGINT Training Suite at GAFB.

35M training will include hands-on training using the DCGS-A, CHARCS and Biometric components of the Multi-INT platform, provided by their respective PMOs to the institution.

35T training will include specialized, non-organic systems maintenance training, as well as critical maintainer tasks to include system troubleshooting, fault detection/isolation, and repair/replace on the TMiCS system during their MOS producing course. TMiCS hardware and software will replace current Prophet Systems, provided by the PMO.

Leadership Development training will include familiarization/capability briefs at the MI PCC, CCC, BOLC, WOBC, and NCOES.

6.1.1 Product Lines

The TMiCS product lines will consist of training information infrastructures, TADSS, training products, training facilities, and training services. These product lines provide the capabilities that trainers, Soldiers and Leaders need to conduct training in the institutional domain.

6.1.1.1 Training Information Infrastructure

The TMiCS training information infrastructure will conform to both joint and Army architectures and standards (i.e. Training Development Capability (TDC), Army Training Information Architecture-Migrated (ATIA-M), Advance Distributed Learning, Shareable Courseware Objective Reference Model (SCORM), Joint Technical Architecture-Army (JTA-A), Live, Virtual, Constructive-Integrating Architecture (LVC-IA), Integrated Training Environment (ITE), Common Training Instrumentation Architecture (CTIA), Department of Defense (DoD) Information Technology (IT) Standards, and Profile Registry (DISR) that enable the development, storage, retrieval, delivery, and management of Training Support System (TSS) products and information for use by individuals and institutions worldwide.

6.1.1.1.1 Hardware, Software, and Communications Systems

- **TMiCS Hardware/Software (HW/SW).** The PMO provides TMiCS System HW and SW required to train the individual critical tasks for the TMiCS system. The component TSAs will be aligned with and complementary to the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) program requirement. The TMiCS Materiel Developer shall provide the resources for the establishment and integration of TMiCS training across all training domains (Institutional, Operational, and Self-Development) and all system-related training-development activities (V&V, IKPT, NMIB, NET). The TSAs are developed and maintained by the PMOs with support of Program Executive Office of Simulation, Training and Instrumentation (PEO-STRI) for the life cycle of the systems.
- **Institutional Communications Infrastructure.** The institutional communications infrastructure, which includes the Non-secure Internet Protocol Router Network (NIPRNET), Secret Internet Protocol Router Network (SIPRNET), Joint Worldwide Intelligence Communications System (JWICS), and other classified networks, will support all training courses.

6.1.1.1.2 Storage, Retrieval, and Delivery

Digital training support products will be available via Army dL, TRADOC-approved training databases, Intelligence Knowledge Network (IKN), and IKN-SECRET (S).

6.1.1.1.3 Management Capabilities

NSTID will manage training products IAW current TRADOC guidance.

6.1.1.1.4 Other Enabling Capabilities

NSTID will require space to post TSPs on shareable USAICoE network resources (NIPRNET, SIPRNET, JWICS and other classified networks), according to the material classifications.

6.1.1.2 Training Products

The TMiCS PMO will provide all training products used at NET (including the full TSP, all training aids and any TSAs developed) to USAICoE.

6.1.1.2.1 Courseware

Course managers, with the assistance of the USAICoE Training Developers, will modify PMO provided materials to support tasks selected for instruction at the institution.

6.1.1.2.2 Courses

- **35M10.** The 35M10 course includes HUMINT collection methods, DCGS-A, and CHARCS, which supports TMiCS HUMINT operations. TSAs developed for these systems will be integrated within the appropriate blocks of instruction.
- **35N10.** The 35P10 course will include overviews on how SIGINT collected data is routed from the TMiCS through the National Collection Systems. The course will also cover the Cryptologic Support Team's (CST) role as the technical support to MFT SIGINT operations.
- **35P10.** The 35P10 course will include radio wave theory and use of the TMiCS SIGINT software in the SIGINT training suite classroom to operate simulated SIGINT receivers. TSA will be integrated within the appropriate blocks of instruction.
- **35T10.** The 35T10 MOS producing course, conducted at USAICoE, includes maintenance training on existing POR. Comprehensive, unit level maintenance training will be performed on actual TMiCS systems.
- **35M/P/T ALC.** USAICoE NCOA conducts this training. The NCOA will focus the training on an overview of TMiCS system capabilities, doctrine, and tactics.
- **35 CMF SLC.** USAICoE NCOA conducts this training. The NCOA will focus the training on an overview of TMiCS system capabilities, doctrine, and tactics.
- **MI BOLC.** Officers attending MI BOLC receive training on the capabilities and employment of TMiCS during the Intelligence Electronic Warfare (IEW) Operations portion of the course.
- **MI CCC.** Officers attending MI CCC receive training on the employment of TMiCS during the Brigade Operations and Intelligence block of instruction.
- **MI PCC.** Officers attending MI PCC receive training on the capabilities and employment of TMiCS.
- **MI WOBC.** MI Warrant Officers attending MI WOBC receive an overview of TMiCS system capabilities, doctrine, and tactics during the common core portion.
- **ICPC.** Information Collection Planners Course will include training on the capabilities and employment of TMiCS.

6.1.1.2.3 Training Publications

USAICoE Capabilities Development and Integration Directorate (CDID) will review or revise the following as changes to TMiCS capabilities occur:

- Army Training Publication (ATP) 2-19.5, Multifunctional Team, 14 Jun 2013
- Field Manual (FM) 2-91.4, Intelligence Support to Urban Operations, 20 Mar 2008
- FM 3-36, Electronic Warfare in Operations, 09 Nov 2012
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
 - STP 34-98G14-SM-TG, Soldier's Manual and Trainer's Guide for MOS 98G, Cryptologic Linguist, Skill Levels 1, 2, 3, and 4; 22 Dec 2003 (when updated to 35P)
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010

PMO will review or revise the following as changes to TMiCS capabilities occur:

- TMiCS IETM

USAICoE will maintain knowledge centers to host current ATPs, FMs, STPs, IETMs, IMIs, and superseded training publications until the legacy equipment is de-fielded.

6.1.1.2.4 Training Support Package (TSP)

The PMO will develop the TSP. TSPs and POIs will be developed incorporating the methods described in the Army Learning Model (ALM). The TSP will include an IMI for TMiCS and contain the most current TMs, LPs, and training aids available at the time of fielding. NSTID will verify and approve the TSP prior to First Unit Equipped (FUE).

6.1.1.3 TADSS

TMiCS TADSS will support system training and assist in creating a virtual training environment using realistic data and making it available to the system software toolsets and applications. These devices will support the 35M and 35P institutional courses and be integrated within the appropriate blocks of instruction. PMO TMiCS will leverage existing TSAs to support subsystem training using software tools and applications in TMiCS. All TADSS will be compliant with appropriate DA requirements for the ITE, LVC-IA and support interface to the Joint Land Component Constructive Training Capability (JLCCTC).

6.1.1.3.1 Training Aids

Training institutions will use PMO-developed IMIs and Graphic Training Aids (GTA). PMO will develop Quick Reference Guides to support the physical set-up/tear-down of the systems including cabling and power-up/power-down procedures.

IETMs developed for each system component will support maintenance training and maintenance diagnostics in the 35T10 course.

6.1.1.3.2 Training Devices

The SIGINT training suite, using the IEWTPT capability will support 35P10 training at GAFB. The 35M10 will utilize the CHARCS TSA. Additional 35M10 and 35T10 training will be supported by actual systems hardware.

6.1.1.3.3 Simulators

Not applicable

6.1.1.3.4 Simulations

PM IEWTPT will provide initial simulations to support the SIGINT training suite classroom at GAFB. Course developers at the institution will have the capability of modifying the simulation to suit individual programs of instruction. Simulations developed to support training on other system components are described in their respective STRAPs.

6.1.1.3.5 Instrumentation

Not Applicable

6.1.1.4 Training Facilities and Land

USAICoE will utilize existing training facilities and land to conduct training at the 35T10 and 35M10 courses.

6.1.1.4.1 Ranges

Not Applicable

6.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

6.1.1.4.3 Classrooms

Existing classroom space satisfies the requirements to conduct training. Two classrooms that can accommodate eight students, two instructors, and a complete dismounted system are required to support TMiCS maintenance training at USAICoE. The classrooms must be capable of providing power to the systems in the dismounted configuration. The classrooms must also include workbenches which support disassembly and maintenance tasks. Classroom space at GAFB is required to support the SIGINT training suite. No specialized classroom space is required for the 35M10.

6.1.1.4.4 CTCs

Not Applicable

6.1.1.4.5 Logistics Support Areas

Maintenance of the equipment at USAICoE will be conducted by the maintainer course in conjunction with the IEW maintenance shop using existing facilities.

6.1.1.4.6 Mission Training Complex (MTC)

Not Applicable

6.1.1.5 Training Services

USAICoE will manage all services, with support from PEO-STRI and the PM, and verified by NSTID for the life cycle of the system.

6.1.1.5.1 Management Support Services

Training management support is resourced by the assigned PMO and managed by USAICoE Training Developer.

6.1.1.5.2 Acquisition Support Services

Acquisition Support is provided by the PMOs, PEO-STRI, and USAICoE TRADOC Capabilities Manager-Intelligence Sensors (TCM-IS).

6.1.1.5.3 General Support Services

PMO TMIcs will provide overall Life-cycle support for the TMIcs program, including funding to PEO-STRI and CECOM to support maintenance and software.

PEO-STRI will provide life-cycle maintenance support for the IMIs for TMIcs, as part of their Life-Cycle Contractor Support for Constructive Training Devices Contract.

PEO-STRI will provide development and support for the program-developed simulators.

6.1.2 Architectures and Standards Component

6.1.2.1 Operational View (OV)

Institutional Training – Leader and Advanced Individual

Leadership Development Courses

ALC, SLC, WOBC, BOLC, MICCC, MIPCC, ICPC

Ft. Huachuca, AZ

Capabilities Brief: Leaders receive system capabilities and overview.

Advanced Individual Training

35M

CHARCS, DCGS-A, Collection Methods, Biometrics, HCC

35T

Computer Technologies, SATCOM, TMiCS, DCGS-A, DRT

Ft. Huachuca, AZ

35M: Current HUMINT training includes supporting critical skills in conjunction with hands on systems training.

35T: Current Maintainer training includes maintenance and configuration of SIGINT and SATCOM systems. TMiCS specific tasks will be added.

6.1.2.2 Systems View (SV)

TBD

6.1.2.3 Technical View (TV)

Not Applicable

6.1.3 Management, Evaluation, and Resource (MER) Processes Component

6.1.3.1 Management

USAICoE will develop TMiCS requirements for and manage the training curricula and associated training devices with the support of the PMOs and PEO-STRI.

6.1.3.1.1 Strategic Planning

TMiCS institutional training ensures leaders are informed how to utilize each TMiCS platform throughout the force.

The following force design and training concepts guide the development of TMiCS training:

- The Army of 2020, 7 Mar 2012
- The Revised Expeditionary Military Intelligence Brigade Force Design Update, 2 Mar 2013
- The Multi-functional Team Modernization Strategy, 29 Mar 2013
- ATP 2-19.5, Multi-functional Teams, 14 Jun 2013
- The Total Army Institutional Training Base Resources Requirements to TRADOC, 16 Apr 2012

6.1.3.1.2 Concept Development and Experimentation (CD&E)

Not Applicable

6.1.3.1.3 Research and Studies

Not Applicable

6.1.3.1.4 Policy and Guidance

The following documents regulate the implementation of the TSS for TMiCS:

- Army Regulation (AR) 350-1 Army Training and Leader Development, 18 Dec 2009 (RAR: 4 Aug 2011)
- AR 350-38 Training Policies and Management for Training Aids, Devices, Simulators, and Simulations, 28 Mar 2013
- ATP 2-19.5, Multifunctional Team, 14 Jun 2013
- DoD 5240.1-R, Procedures Governing the Activities of DoD Intelligence Components That Affect United States Persons, 7 Dec 1982
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
- FM 2-91.4, Intelligence Support to Urban Operations, 20 Mar 2008
- FM 3-36, Electronic Warfare in Operations, 09 Nov 2012
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010
- TRADOC Commander's training guidance
- TRADOC Regulation (TR) 350-70, Army Learning Policy and Systems, 6 Dec 2011
- TRADOC Pamphlet 525-3-1 The United States Army Operating Concept 2016-2028, 19 Aug 2010
- TRADOC Pamphlet 525-8-2 The U.S. Army Learning Concept for 2015, 6 Jun 2011
- TRADOC Pamphlet 350-70-6 Systems Approach to Training Analysis, 7 Sep 2004
- TRADOC Pamphlet 350-70-10, Systems Approach to Training Course and Courseware Validation, 29 Mar 2004
- TRADOC Pamphlet 350-70-12, The Army Distributed Learning (DL) Guide, 03 May 2013
- USAICoE Commander's training guidance
- United States Signals Intelligence Directive (USSID) SIGINT Policy (SP)0001, SIGINT Operating Policy
- USSID SP0003, Cryptologic Security Procedures
- USSID SP0018, Legal Compliance and Minimization Procedures
- USSID Collections Requirement (CR)1251, SIGINT Threat Warning to Support Reconnaissance Operations
- USSID CR1252, Reporting of Threat Warning Information
- USSID CR1400, SIGINT Reporting
- USSID CR1500, Time Sensitive SIGINT Reporting
- USSID CR1501, Handling of Critical Information (CRITIC)
- USSID CR1521, Reporting of Distress Signals
- USSID CR1651, SIGINT Support to Broadcast Reporting
- USSID DA3110, Collection Management Procedures

- USSID DA3201, COMINT Collection Instructions

6.1.3.1.5 Requirements Generation

The following documents provide the requirements for TMiCS:

- TMiCS Capability Development Document (CDD) draft version 2, 03 July 2014

6.1.3.1.6 Synchronization

USAICoE will synchronize TMiCS training development requirements with the DCGS-A, Prophet, CHARCS, Biometrics, and Forensics training requirements. USAICoE will coordinate with other training centers, CTCs, and previously fielded units to develop DTT for tactical maneuver commanders to leverage TMiCS capabilities in support of operations.

6.1.3.1.7 Joint Training Support

Not Applicable

6.1.3.2 Evaluation

USAICoE will manage all evaluations of TMiCS training and training support products and the TMiCS PMO will fund any associated travel requirements.

6.1.3.2.1 Quality Assurance (QA)

Quality Assurance Office (QAO) will conduct training analysis, and provide oversight support for development and implementation of training and professional military education to meet unit, Soldier, and leader competency needs throughout training.

6.1.3.2.2 Assessments

USAICoE QAO performs assessments of all institutional courses by individual surveys, and classroom monitoring. QAO provides survey results to the Deputy Commander of Training and all relevant command sections related to a given survey.

6.1.3.2.3 Customer Feedback

USAICoE QAO uses surveys prior to and after training as well as follow-up surveys sent to the unit six-to-nine months after leaving the institution to ensure student feedback is considered when evaluating training, training documentation, and courseware.

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

The USAICoE Lessons Learned Office will conduct survey evaluations and follow-up reports using feedback from institutional training audience. All information will be provided to NSTID, USAICoE, TCM-IS, and the PMO.

6.1.3.3 Resource

TMiCS PMO will provide funds to support NSTID participation in training development, supportability strategy meetings, in-progress reviews, Instructor and Key Personnel Training (IKPT), and Validation and Verification (V&V). The PMO will provide all equipment required to support institutional training.

TADSS supporting SIGINT training at GAFB:

The SIGINT Training Suite at GAFB will be used to support training of the SIGINT related critical tasks of the MFT. It is supported under the Prophet program.

35M course will receive CHARCS and Biometrics equipment.

MI Maintainer/Integrator Course (35T10):

	Sensor	SATCOM system
REQ	3 sets	1

**PMO will upgrade or replace system components at USAICoE within one year of significant system upgrades.

Personnel required to support training at the 35T Course: TBD

Manpower Required: 35T Course

	Prior	FY15	FY16	FY17	FY18	FY19	FY20
		Yrs or \$K					
Instructors	Yrs				4 Yrs	4 Yrs	4 Yrs
Contract/Spt	Yrs				2 Yrs	2 Yrs	2 Yrs

7.0 Operational Training Domain

The initial training for units receiving TMiCS system is NET/DTT. PMO will fund, develop, and in conjunction with NSTID, deliver NET/DTT training.

TMiCS and TMiCS subcomponent IETMs, TMs, and IMIs developed to support institutional and sustainment training are available as dL for operational users with appropriate classification access. NSTID will post these products on NIPRNET, SIPRNET, or JWICS in accordance with their access level. TMiCS supported website on IKN, along with POC information, will provide users with information to access the most current training products. NSTID will ensure posted products are current and accessible.

The unit will conduct specific MFT operations training IAW ATP 2-19.5 and other regulations identified in 7.1.1.2.3 below.

7.1 Operational Training Concept and Strategy

NET/DTT:

NET is a scenario driven and learner centric training platform, conducted concurrently with the fielding of the TMiCS system. NET includes HUMINT, SIGINT, Site Exploitation and maintainer training that incorporates systems operation and integration, practical exercises, and an STX. The PMO facilitates TMiCS NET at the gaining unit's location, utilizing the fielded TMiCS system. Training consists of MOS-specific system critical tasks containing fundamentals of operation and hands-on training using the fielded TMiCS system. This includes TSPs, TSAs, IMIs and Leaders Training. The TMiCS NET culminates with an integrated system STX. Upon completion of the NET, the NETT provides the unit with a complete TSP consisting of Training Plans, LPs, student guides, TMs, IETMs, and any IMI. MATDEV will develop updates or supplements to training materials to support specific TI and POR requirements.

Every unit, upon receipt of the TMiCS system, will receive a NET/DTT and all TSP materials to support maintenance and sustainment training. The PMO will provide the TSP in approved TRADOC and DoD formats. NSTID will provide DTT in conjunction with NET throughout the duration of the training. DTT will focus on utilizing the TMiCS in MFT operations. Procedures and training are developed or modified to focus on operational effects achieved through employment and use of TMiCS capabilities. Training will foster leader awareness on the synchronization of TMiCS collection with the maneuver elements commander's scheme of maneuver and operations.

Units will use PMO developed TSAs to support individual and crew training and training within the larger constructive training environment (such as training at the Mission Training Complex [MTC]).

Sustainment:

Operational units will train, track, and maintain a comprehensive training program to ensure Soldiers arriving at the unit, without previous training on the TMiCS system, are identified and trained. Training will be conducted using the TSPs left at the unit during NET/DET and/or updated TSPs distributed from the TMiCS support website. Units will utilize complete lesson plans and practical exercises used at NET as well as Quick Reference Guides (QRGs), GTAs, IMIs, and Combined Arms Training Strategies (CATS). Foundry and CI2C provide Tactical HUMINT, SIGINT, and DOMEX related training.

The TMiCS TSA and applicable TSAs for TMiCS subcomponents will support sustainment training for individual system critical tasks by creating a virtual data and information environment for collection and analysis. The TSAs will leverage the IEWTPT program capabilities for networked collective training when participating in a Mission Command driven training exercise.

The unit will use the developed system IMIs, Leaders Training IMI, TSP, TSAs and FTX/STX which provides sustainment training of individual critical tasks, as well as collective critical tasks.

7.1.1 Product Lines

The TMiCS product lines will consist of training information infrastructures, TADSS, training products, training facilities and land, and training services. These product lines provide the capabilities that trainers and Soldiers need to conduct training in the operational domain.

7.1.1.1 Training Information Infrastructure

The TMiCS training information infrastructure will conform to both joint and Army architectures and standards (i.e. CTIA, ATIA, LVC-IA, and DISR) that enable the development, storage, retrieval, delivery, and management of TSS products and information for use by institutions worldwide.

7.1.1.1.1 Hardware, Software, and Communications Systems

Units will access training support information and training exercise content using operational equipment, associated sub-system components, supporting systems, and networks. Paragraph 6.1.1.1.1 documents specific equipment and network requirements.

7.1.1.1.2 Storage, Retrieval, and Delivery

NSTID will ensure digital training support products are available via Army dL, TRADOC-approved training databases, IKN, IKN-S, or JWICS IAW classification levels.

- **NSTID portals.** A NSTID Web Site will support units equipped with the TMiCS systems by providing a digital library of unclassified up-to-date technical manuals and quick reference guides. The site will contain a listing of all current points of contact, as well as lessons learned covering both operations and maintenance. NSTID will maintain this web site.

7.1.1.1.3 Management Capabilities

TMiCS training will be managed on the Digital Training Management System (DTMS), Army Learning Management System (ALMS), The Army Distributed Learning Program (TADLP), IKN, IKN-S, and TRADOC-approved training databases.

7.1.1.1.4 Other Enabling Capabilities

Commanders can use Army Foundry Intelligence Training Program IAW AR 350-32 to sustain and enhance Soldier Multi-INT skills.

7.1.1.2 Training Products

NSTID will ensure up-to-date TMiCS training materials (including DTT) are made available in knowledge centers on appropriately classified networks. PMO will provide updated training materials to USAICoE, NSTID and fielded units at each system increment. PMO will ensure new or updated training materials are annotated to identify new, modified, or deleted content.

Units will determine appropriate training materials for individual training programs, mission training plans, and collective training exercises using the Combined Arms Training Strategy. Units will incorporate content from the TMiCS NET TSP.

7.1.1.2.1 Courseware

Units will develop formal, role-specific OJT programs from the TMiCS NET TSP and modify as necessary to satisfy the commander's requirements.

PMO will provide all system courseware materials to include TMiCS IMI and Leader's Training IMI to fielded units. The PMO and NSTID will perform task analysis and individual and collective task development using the currently approved TRADOC database. During the V&V process, NSTID will verify courseware, including all tasks required to employ the system effectively, prior to and during NET/DTT. The TMiCS NETT will use the TSP during NET/DTT. Units will use the TSP during sustainment training.

The designated PMO will leverage existing IMIs for TMiCS system components, which are required for training the operators, maintainers, and leaders. These IMI will be based on a task and skill analysis, and be designed to make training accessible through exportable media and by the appropriate web-based resources, depending on classification. Each PMO will maintain and update the IMIs in conjunction with changes to the system throughout the system's life cycle IAW that system's STRAP. A TRADOC accepted authoring system will allow institutional trainers to update the training programs as required (Defense Information Infrastructure Common Operation Environment [DIICOE] and SCORM compliant).

PM, NSTID, and TCM will develop and refine TMiCS IMI and Leader's Training IMI for SIGINT, HUMINT and maintainer tasks. These IMIs will be included in the stay-behind TSP and available on the NSTID web portals to support operational training.

7.1.1.2.2 Courses

TMiCS NET/DTT teams will train fielded units. The PMO will provide course TSP and the latest version of IMI to each unit during system fielding. PMO will provide updated versions of TSP and IMIs to previously fielded units concurrently with any upgrades to the system, or improvements to the TSP or IMIs. NSTID will review and update DTT for inclusion in updated TSPs.

Foundry training opportunities support advanced Soldier capabilities through local, MTT, and Live Environment Training (LET) courses.

Foundry FY13 Catalog

- AS017 Biometric Enabled Intelligence (BEI) Analysis Course
- AS025a Site Exploitation
- AS025b Document and Media Exploitation (DOMEX) and Analysis MTT
- AS025c Media & Cellular Phone Exploitation
- AS038e Enhanced DCGS-A Operators Course
- AS057 DCGS-A Predeployment Operators Course
- HU105 HUMINT Report Writing
- HU107 Tactical HUMINT Training
- SI002 SIGINT Terminal Guidance Basic Operators Course
- SI009 Digital Network Intelligence Common Block
- SI010 SIGINT Tactical Reporting
- SI065 Digital Network Intelligence Analysis LET
- SI087 SIGINT Tactical Overwatch
- SI125 Tactical SIGINT Operations MTT
- SI139 Low Level Voice Intercept (LLVI)

Counter IED Integration Cells (CI2C)

- 3. B. Counter Insurgency Training (COIN)
- 10. C. Site Exploitation

7.1.1.2.3 Training Publications

USAICoE will review or revise the following as changes to TMiCS capabilities occur:

- ATP 2-19.5, Multifunctional Team, 14 Jun 2013
- FM 2-91.4, Intelligence Support to Urban Operations, 20 Mar 2008
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
- FM 3-36, Electronic Warfare in Operations, 09 Nov 2012
- STP 34-98G14-SM-TG, Soldier's Manual and Trainer's Guide for MOS 98G, Cryptologic Linguist, Skill Levels 1, 2, 3, and 4; 22 Dec 2003 (when updated to 35P)
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010

PMO will review or revise the following as changes to TMiCS capabilities occur:

- TMiCS IETM
- TMiCS IMI
- Leader's Training IMI

NSTID will maintain knowledge centers for current ATPs, FMs, STPs, IETMs, IMIs, and superseded training publications until the legacy equipment is de-fielded.

7.1.1.2.4 TSP

PMO and the NET Team will use the TRADOC-approved NET TSP to deliver NET and as the leave-behind training package. Commanders will use elements of the NET TSP for unit sustainment training on critical collective tasks and supporting individual critical tasks.

The TSP will include IMIs supportive of the TMiCS system as fielded to the unit. The TSP will also contain the most current TMs, LPs, POIs, IMIs, IETMs, and any additional training resources available at the time of fielding. The PMO will incorporate training materials developed by component system PMOs into the TMiCS TSP. The PMO will develop the TSP and NSTID will verify and approve it. The TSPs will be updated by the PMO concurrently with systems and be available and maintained for each version of system fielded.

7.1.1.3 TADSS

Units receiving TMiCS will use TADSS developed for NET, which includes the TMiCS TSA and applicable TSAs for TMiCS subcomponents, to sustain the critical individual and collective tasks required to accomplish their mission. The PMO will ensure the development, implementation, and currency of the TMiCS TSA. Working with the IEWTPT program office and PEO-STRI, TSA development will utilize existing standalone training simulations capabilities to ensure maximum re-use of existing SIGINT and HUMINT training solutions. The TMiCS TSA will interconnect the existing standalone TSAs to form a virtual training environment that will stimulate the TMiCS with mission related SIGINT, HUMINT, and Biometrics activities and reports. The embedded TSA will host a training database to stimulate and interact with Prophet, STG, CHARCS, and DCGS-A in order to facilitate SIGINT and HUMINT individual and collective training. The TSA will also interconnect with the IEWTPT.

7.1.1.3.1 Training Aids

The PMO will resource training aids required for NET and unit sustainment training to include IETMs, QRGs, GTAs, and IMIs. The TSP will include all training aids developed. The PMO will make maximum usage of training aids developed for component systems.

7.1.1.3.2 Training Devices

The PMO will develop and leverage existing component system TSAs to support individual and collective training. The TSA is the training device for individual, crew training, and the network interface to the larger constructive training environment, the JLCCTC for collective training with Mission Readiness Exercises (MRE) / Mission Rehearsal Exercises (MRX) and regional exercises. The TSA will replicate the complex signal environment and personalities (friendly and hostile) using simulation to support collection and analysis critical tasks training and MI Soldier readiness. The PMO will work with the IEWTPT program office to reuse existing simulations capabilities for SIGINT and HUMINT training and ensure cross leveraging of existing and future stimulation capabilities. TMiCS software and operational systems (as available) will be used to train in concert with the simulation environment.

7.1.1.3.3 Simulators

Not applicable

7.1.1.3.4 Simulations

The TSAs applicable to TMiCS will connect to IEWTPT Technical Control Cell (TCC) and interface with PM Constructive Simulations (PM CONSIN) developed simulations. It will provide operators with data/information from highly realistic scenarios for training. PMO will leverage existing sensors and activity models to replicate TMiCS in the virtual battle-space of the Joint Land Component Constructive Training Capability (JLCCTC) federation of simulations.

7.1.1.3.5 Instrumentation

Not Applicable

7.1.1.4 Training Facilities and Land

Units will train using existing facilities and land. Unit land requirements will depend heavily on mission operational tempo and supported unit training requirements.

7.1.1.4.1 Ranges

Not Applicable

7.1.1.4.2 Maneuver Training Areas (MTA)

Training areas are required for Operational Training to conduct STX/FTX and other TMiCS training.

7.1.1.4.3 Classrooms

Units will utilize pre-existing classrooms and training areas to conduct operational/sustainment training after the fielding of TMiCS. The fielded unit will also provide classrooms for NET/DTT with coordination of the PMO prior to NET/DTT. The classrooms will be TS/SCI compatible. Additional specific requirements are determined based on fielding specifics identified at the New Material in Brief (NMIB).

7.1.1.4.4 CTCs

PMO will resource modeling of TMiCS capabilities in the constructive simulation for collective training at CTCs. CTCs will be able to stimulate TMiCS software interfaces with the constructive simulation via the TSA and IEWTPT.

7.1.1.4.5 Logistics Support Areas

Not Applicable

7.1.1.4.6 Mission Command Training Centers (MCTC)

MCTCs will use TMiCS capability models to present Soldiers and leaders with realistic responses to requests for support from units utilizing TMiCS at MCTC with training exercise requirements before, during, and after simulated combat events. IEWTPT TCC/HCC training support teams (assigned to the MCTC) will support TMiCS training simulations requirements and assist the operational unit training.

7.1.1.5 Training Services

PMO will support all TMiCS training capabilities to include updates and sustainment through the end of the program lifecycle.

7.1.1.5.1 Management Support Services

PMO will coordinate operational trainer's access to the information, courseware, requirements, devices, and communication technology management services necessary to conduct robust operational training. NSTID will also provide training management support services with associated travel resourced by the PMO.

7.1.1.5.2 Acquisition Support Services

The PMOs, PEO-STRI, and USAICoE will provide acquisition support.

7.1.1.5.3 General Support Services

- PMO will develop and distribute any other TADSS required to conduct NET and unit sustainment training.
- PEO-STRI will provide life-cycle maintenance support for the IMIs, as part of their Life Cycle Contractor Support for Constructive Training Devices Contract. PEO-STRI will provide development and support for HUMINT and SIGINT simulators.
- PMO is responsible to provide funding to PEO-STRI and CECOM to support maintenance and software.

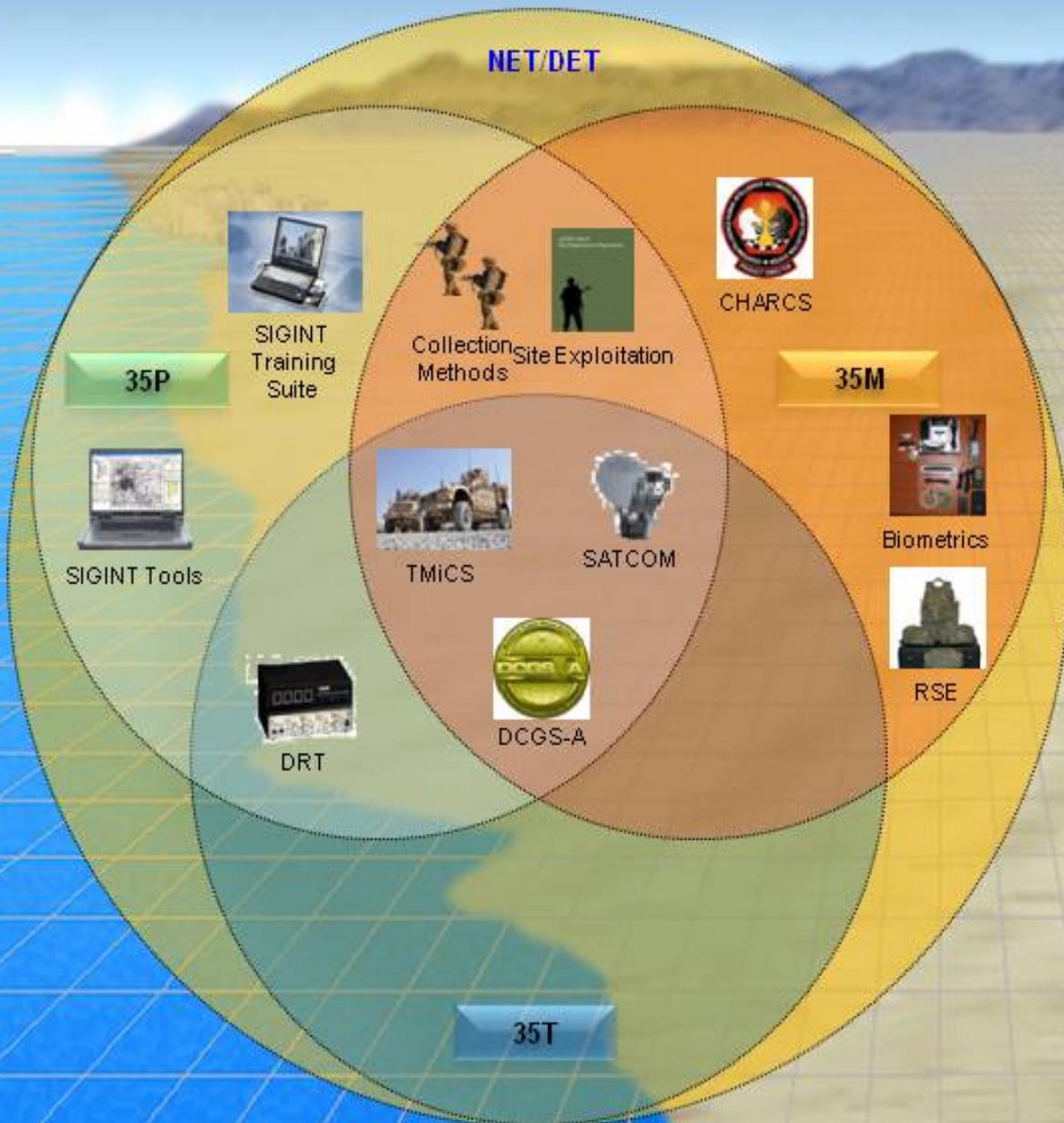
7.1.2 Architectures and Standards Component

7.1.2.1 Operational View (OV)

Operational Training – NET/DET & Sustainment

Collaborative Training: Provides team building and joint tasks.

Combined STX: Provides a system culminating exercise.



NET/DET: Comprehensive training will be conducted using the fielded systems and TADSS to train operators and maintainers.

Operational TMiCS training will use the fielded system in a mission configuration and the TSAs are connected to the IEWTPT. Unit collective training may feed live, virtual, gaming and constructive simulations at the MTC or CTCs, while individual training to support collective tasks will access virtual and constructive simulations through the applicable TSAs for TMiCS. NSTID will post all training content on appropriately classified learning management, knowledge, and dL repositories for access by unit Soldiers during unit training events. Foundry and Ci2C existing courses support MOS and technical sustainment training as necessary.

7.1.2.2 Systems View (SV)

TBD

7.1.2.3 Technical View (TV)

Not Applicable

7.1.3 Management, Evaluation, and Resource (MER) Processes Component

7.1.3.1 Management

7.1.3.1.1 Strategic Planning

- The Army of 2020, 7 Mar 2012
- The Revised Expeditionary Military Intelligence Brigade Force Design Update, 2 Mar 2013
- The Multi-functional Team Modernization Strategy, 29 Mar 2013
- The Total Army Institutional Training Base Resources Requirements to TRADOC, 16 Apr 2012

7.1.3.1.2 Concept Development and Experimentation (CD&E)

Not Applicable

7.1.3.1.3 Research and Studies

Not Applicable

7.1.3.1.4 Policy and Guidance

The following documents regulate the implementation of the TSS for TMiCS:

- Army Regulation (AR) 350-1 Army Training and Leader Development, 18 Dec 2009 (RAR: 4 Aug 2011)
- AR 350-38 Training Policies and Management for Training Aids, Devices, Simulators, and Simulations, 28 Mar 2013
- ATP 2-19.5, Multifunctional Team, 14 Jun 2013
- DoD 5240.1-R, Procedures Governing the Activities of DoD Intelligence Components That Affect United States Persons, 7 Dec 1982
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
- FM 2-91.4, Intelligence Support to Urban Operations, 20 Mar 2008
- FM 3-36, Electronic Warfare in Operations, 09 Nov 2012
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010
- TRADOC Commander's training guidance
- TRADOC Regulation (TR) 350-70, Army Learning Policy and Systems, 6 Dec 2011
- TRADOC Pamphlet 525-3-1 The United States Army Operating Concept 2016-2028, 19 Aug 2010
- TRADOC Pamphlet 525-8-2 The U.S. Army Learning Concept for 2015, 6 Jun 2011
- TRADOC Pamphlet 350-70-6 Systems Approach to Training Analysis, 7 Sep 2004
- TRADOC Pamphlet 350-70-10, Systems Approach to Training Course and Courseware Validation, 29 Mar 2004
- TRADOC Pamphlet 350-70-12, The Army Distributed Learning (DL) Guide, 03 May 2013
- USAICoE Commander's training guidance
- United States Signals Intelligence Directive (USSID) SIGINT Policy (SP)0001, SIGINT Operating Policy
- USSID SP0003, Cryptologic Security Procedures
- USSID SP0018, Legal Compliance and Minimization Procedures
- USSID Collections Requirement (CR)1251, SIGINT Threat Warning to Support Reconnaissance Operations
- USSID CR1252, Reporting of Threat Warning Information
- USSID CR1400, SIGINT Reporting
- USSID CR1500, Time Sensitive SIGINT Reporting
- USSID CR1501, Handling of Critical Information (CRITIC)
- USSID CR1521, Reporting of Distress Signals
- USSID CR1651, SIGINT Support to Broadcast Reporting
- USSID DA3110, Collection Management Procedures

- USSID DA3201, COMINT Collection Instructions

7.1.3.1.5 Requirements Generation

The following documents provide the requirements for TMiCS:

- TMiCS CDD draft version 2, 03 July 2014

7.1.3.1.6 Synchronization

USAICoE will synchronize TMiCS training development requirements with the DCGS-A, Prophet, CHARCS, Biometrics, and Forensics training requirements. USAICoE will coordinate with other training centers CTCs, and previously fielded units to develop TTPs for tactical maneuver commanders to leverage TMiCS capabilities in support of operations.

7.1.3.1.7 Joint Training Support

Not Applicable

7.1.3.2 Evaluation

NSTID will manage all evaluations of TMiCS training and training support products.

7.1.3.2.1 Quality Assurance (QA)

NSTID will use AARs conducted during and at the conclusion of NET/DTT to ensure quality and content of the training satisfies unit requirements. NSTID will use responses to make immediate modifications and/or supplementations to the NET/DTT if needed. One year after fielding, NSTID will solicit feedback from units to determine long-term effectiveness of NET/DTT and sustainment training. Feedback will assist USAICoE in correcting training deficiencies and will provide information that may affect the next generation of equipment or product improvements.

7.1.3.2.2 Assessments

NSTID representatives evaluate and verify NET/DTT at fielded units. A NSTID representative monitors NET/DTT, conducts AARs, and recommends changes to the training materials as required. NET uses STX at the conclusion of training to evaluate student proficiency and provides retraining as required.

7.1.3.2.3 Customer Feedback

Customer feedback plays an important role in improving training development and future training.

NSTID develops, distributes, and collects AAR/feedback forms to/from NET/DTT participants. NSTID reviews the forms and provides copies to the PMO. The NSTID maintained Web Site will also provide support to units. The site will provide a digital library with up-to-date technical manuals and quick reference guides. The site will contain a listing of all CECOM local area representatives, NSTID POCs, and feedback forms.

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Lessons learned and AAR data support efficient and effective TMiCS training by identifying strengths and weaknesses observed in the operational environment.

- USAICoE Lessons Learned team and the CALL collect and analyze data from a variety of current and historical sources, including Army operations and training events. CALL disseminates this information and related research materials to Soldiers through a variety of print and electronic media.
- Units use command-driven AARs conducted after training events and deployments to provide feedback to improve training at the unit level.
- Units use IEWTPT TCC's AAR capability to assess the effectiveness of the training.

7.1.3.3 Resource Processes

The PMO is required to provide all funding to develop, conduct, maintain, and evaluate initial and sustainment training, training for developmental and operational test training, and test certification. Training developers at NSTID will require access to all system equipment to verify NET/DTT. Complete maintenance tool set, to include special tools, will be required to verify maintenance procedures.

Resources to support the delivery of New Equipment Training by the training team:

Item Resourced: PMO provided New Equipment Training							
	Prior	FY16	FY17	FY18	FY19	FY20	FY21
		Yrs or \$K					
TOTAL		PM input					

****NOTE:** Current program schedule is as follows: Low Rate Initial Production (LRIP) decision FY19, Operational Test and Evaluation FY 20, and Full Rate Production (FRP) decision FY21.

Item Resourced: Training Products							

	Prior	FY16	FY17	FY18	FY19	FY20	FY21
	Yrs or \$K						
TSP		0	\$430K	\$430K	\$430K	\$430K	\$430K
IMI		0	\$701K	\$701K	\$701K	\$701K	\$701K
TSA		0	\$750K	\$250K	\$250K	\$250K	\$250K
IETMs/TMs		0	\$500K	\$500K	\$500K	\$500K	\$500K
TOTAL		0	\$2,381K	\$1,881K	\$1,881K	\$1,881K	\$1,881K

**NOTE: TMiCS will integrate existing PORs training products. TSA development requires 3 engineering man years for initial integration supporting embedded training environment, followed by 1 engineering man year for system sustainment. Refer to 7.1.1.3 for TADSS requirements.

Labor requirements at NSTID to support TMiCS:

Item Resourced: Manpower - NSTID

	Prior	FY16	FY17	FY18	FY19	FY20	FY21
--	-------	------	------	------	------	------	------

	Yrs or \$K						
Contractor	1	1	3.0 Yrs	3.0 Yrs	3.0 Yrs	6.0 Yrs	6.0 Yrs
Enlisted	1	1	6.0 Yrs	6.0 Yrs	6.0 Yrs	9.0 Yrs	9.0 Yrs
Warrant	0	0	0.5 Yrs				
Officer	0	0	0.5 Yrs				
Civ Pay	0	0	0.5 Yrs				
Trvl/Per Diem (PMO funded)	7K	7K	7K	7K	50K	\$300K	\$330K

**NOTE: Prior-FY21 Man Years are required to support pre-development training (i.e. TTSP, IKPT, V&V and Test). Net support is based on CDD input of 68 total fieldings (7 per year, with 3 three-man teams projected) between FY23-FY32. Training development (TD) effort will utilize prime contractor manpower to support development of Program of Instruction, Computer Based Training and manuals. Training development effort coincides with TMiCS concept and hardware/software design and integration effort. In addition to contractor, DA civilians will be required to provide oversight and coordination of this effort.

8.0 Self-Development Training Domain

Soldiers and leaders will use the TMiCS TSP, including IMI and training aids for familiarization, limited sustainment, and training preparatory to MFT assignment. NSTID will ensure the TSP is available on domains IAW their classification level.

8.1 Self-Development Training Concept and Strategy

Self-Development training will be conducted at any COMP 1, 2 or 3 home-station. The TMIcs and TMIcs subcomponent IETMs, TMs, TSPs, and IMIs developed to support institutional and sustainment training will be available as dL. These products will be posted on NIPRNET, SIPRNET, or JWICS IAW their classification level. NSTID will ensure posted products are current and accessible.

8.1.1 Product Lines

The TMiCS product lines will consist of training information infrastructures, TADSS, training products, and training services. These product lines provide the capabilities that trainers and Soldiers need to conduct training in the self-development domains.

8.1.1.1 Training Information Infrastructure

The TMiCS training information infrastructure will conform to both joint and Army architectures and standards (i.e. CTIA, ATIA, LVC-IA, and DISR) that enable access and management of TSS products and information for use by individuals worldwide.

8.1.1.1.1 Hardware, Software, and Communications Systems

Existing DoD compliant workstations and communications networks will support access to the TMiCS TSP IAW classification levels.

8.1.1.1.2 Storage, Retrieval, and Delivery

NSTID will ensure digital training support products are available via Army dL, TRADOC-approved training databases, IKN, IKN-S, or JWICS IAW classification levels.

8.1.1.1.3 Management Capabilities

The DTMS, ALMS, TADLP, MITS, and TRADOC-approved training databases will manage TMiCS capabilities for training.

8.1.1.1.4 Other Enabling Capabilities

Not Applicable

8.1.1.2 Training Products

NSTID will ensure up-to-date TMiCS training materials (including DTT) are made available in knowledge centers on appropriately classified networks. PMO will provide updated training materials to USAICoE, NSTID and fielded units at each system increment. PMO will ensure new or updated training materials are annotated to identify new, modified, or deleted content.

Units will incorporate content from the TMiCS NET TSP into their formal OJT sustainment program.

8.1.1.2.1 Courseware

Not Applicable

8.1.1.2.2 Courses

Not Applicable

8.1.1.2.3 Training Publications

USAICoE CDID will review or revise the following as changes to TMiCS capabilities occur:

- ATP 2-19.5, Multifunctional Team, 14 Jun 2013
- FM 2-91.4, Intelligence Support to Urban Operations, 20 Mar 2008
- FM 3-36, Electronic Warfare in Operations, 09 Nov 2012
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
- STP 34-98G14-SM-TG, Soldier's Manual and Trainer's Guide for MOS 98G, Cryptologic Linguist, Skill Levels 1, 2, 3, and 4; 22 Dec 2003 (when updated to 35P)
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010

PMO will review or revise the following as changes to TMiCS capabilities occur:

- TMiCS IETM
- TMiCS IMI
- Leader's Training IMI

NSTID will maintain knowledge centers to host current IETMs, STPs, ATMs, IMIs, and FMs, and superseded training publications until the legacy equipment is de-fielded.

8.1.1.2.4 Training Support Package (TSP)

Soldiers will have access to the NET TSP for self-development training on individual critical tasks.

The TSP will include IMIs supportive of the TMiCS system as fielded to the unit. The TSP will also contain current TPs, TMs, LPs, POIs, IMIs, IETMs, student guides, and any additional training aids available.

8.1.1.3 Training Aids, Devices, Simulators and Simulations (TADSS)

8.1.1.3.1 Training Aids

Each PMO will resource training aids required for self-development training to include IETMs, student handouts, and job aids. All training aids are part of the TSP.

8.1.1.3.2 Training Devices

Not Applicable

8.1.1.3.3 Simulators

Not Applicable

8.1.1.3.4 Simulations

Not Applicable

8.1.1.3.5 Instrumentation

Not Applicable

8.1.1.4 Training Facilities and Land

8.1.1.4.1 Ranges

Not Applicable

8.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

8.1.1.4.3 Classrooms

Units will coordinate local classrooms and training areas to conduct self-development training. The classrooms will be TS/SCI compatible. Additional specific unit requirements are determined based on training conducted.

8.1.1.4.4 CTCs

Not Applicable

8.1.1.4.5 Logistics Support Areas

Not Applicable

8.1.1.4.6 Mission Command Training Centers (MCTC)

Not Applicable

8.1.1.5 Training Services

The PMO will support all TMiCS training capabilities to include updates and sustainment through the end of the program lifecycle.

8.1.1.5.1 Management Support Services

Not Applicable

8.1.1.5.2 Acquisition Support Services

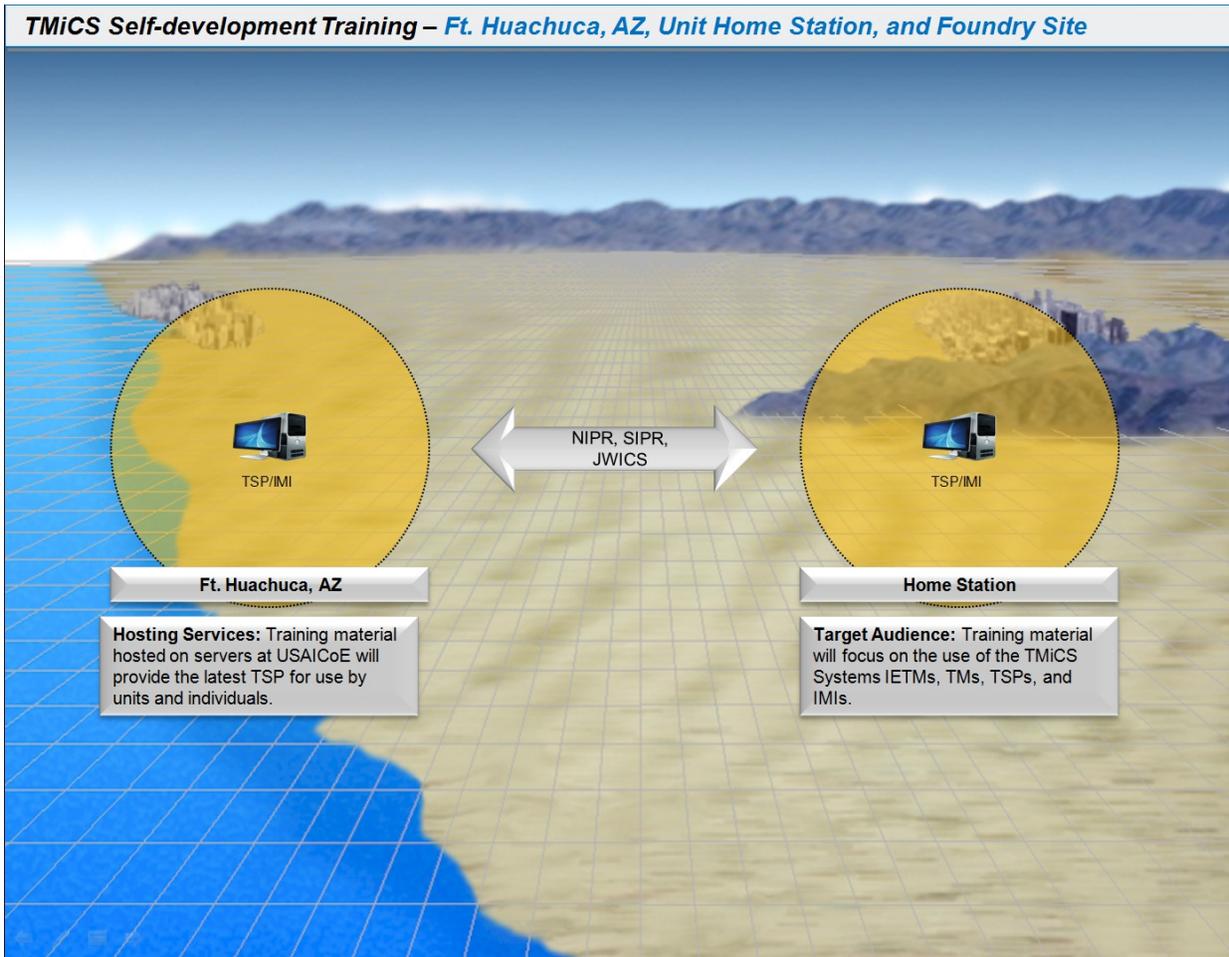
All products supporting self development training will be acquired in the operational domain.

8.1.1.5.3 General Support Services

- PMO provides all support services for the life cycle of the system; including developing and distributing any other TADSS required to conduct unit sustainment training.
- PEO-STRI will provide life-cycle maintenance support for the IMIs, as part of their Life Cycle Contractor Support for Constructive Training Devices Contract.
- PEO-IEWS is responsible for providing funding to TMiCS PM and CECOM to support maintenance and software.

8.1.2 Architectures and Standards Component

8.1.2.1 Operational View (OV)



TMiCS self-development training will consist of dL products developed for the operational domain. Authorized Soldiers will use NIPRNET, SIPR, or JWICS workstations within their unit network to access the TSP hosted at USAICoE.

8.1.2.2 Systems View (SV)

Not Applicable

8.1.2.3 Technical View (TV)

Not Applicable

8.1.3 Management, Evaluation, and Resource (MER) Processes Component

8.1.3.1 Management

8.1.3.1.1 Strategic Planning

- ATP 2-19.5, Multifunctional Teams, 14 Jun 2013
- ATP 2-22.35, Human Intelligence Debriefing Techniques, 14 Jun 2013
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010
- The Army of 2020, 7 Mar 2012
- The Revised Expeditionary Military Intelligence Brigade Force Design Update, 2 Mar 2013
- The Multi-functional Team Modernization Strategy, 29 Mar 2013
- The Total Army Institutional Training Base Resources Requirements to TRADOC, 16 Apr 2012

8.1.3.1.2 Concept Development and Experimentation (CD&E)

Not Applicable

8.1.3.1.3 Research and Studies

Not Applicable

8.1.3.1.4 Policy and Guidance

The following documents regulate the implementation of the TSS for TMiCS:

- Army Regulation (AR) 350-1 Army Training and Leader Development, 18 Dec 2009 (RAR: 4 Aug 2011)
- AR 350-38 Training Policies and Management for Training Aids, Devices, Simulators, and Simulations, 28 Mar 2013
- ATP 2-19.5, Multifunctional Team, 14 Jun 2013
- DoD 5240.1-R, Procedures Governing the Activities of DoD Intelligence Components That Affect United States Persons, 7 Dec 1982
- FM 2-22.3, Human Intelligence Collector Operations, 06 Sep 2006
- FM 2-91.4, Intelligence Support to Urban Operations, 20 Mar 2008
- FM 3-36, Electronic Warfare in Operations, 09 Nov 2012
- TC 2-22.82, Biometrics-Enabled Intelligence, 21 Mar 2011
- TC 2-91.8, Document and Media Exploitation, 08 Jun 2010
- TRADOC Commander's training guidance
- TRADOC Regulation (TR) 350-70, Army Learning Policy and Systems, 6 Dec 2011
- TRADOC Pamphlet 525-3-1 The United States Army Operating Concept 2016-2028, 19 Aug 2010
- TRADOC Pamphlet 525-8-2 The U.S. Army Learning Concept for 2015, 6 Jun 2011
- TRADOC Pamphlet 350-70-6 Systems Approach to Training Analysis, 7 Sep 2004
- TRADOC Pamphlet 350-70-10, Systems Approach to Training Course and Courseware Validation, 29 Mar 2004
- TRADOC Pamphlet 350-70-12, The Army Distributed Learning (DL) Guide, 03 May 2013
- USAICoE Commander's training guidance

8.1.3.1.5 Requirements Generation

The following documents provide the requirements for TMiCS:

- TMiCS CDD draft version 2, 03 July 2014

8.1.3.1.6 Synchronization

TMiCS training development requirements will synchronize with the DCGS-A, Prophet, CHARCS, Biometrics, and Forensics training requirements. NSTID will coordinate with USAICoE Lesson Learned office and previously fielded units to develop up-to-date self-development training.

8.1.3.1.7 Joint Training Support

Not Applicable

8.1.3.2 Evaluation

8.1.3.2.1 Quality Assurance (QA)

Not Applicable

8.1.3.2.2 Assessments

NSTID will reassess the self-development products annually to ensure changes to the system are reflected in the training.

8.1.3.2.3 Customer Feedback

Customer feedback plays an important role in improving training development and future training. The TMiCS supported IKN Web Site will also provide support to units. The site will provide a digital library with up-to-date technical manuals and quick reference guides. The site will contain a listing of all CECOM local area representatives, NSTID POCs, and feedback forms.

NSTID collects AAR /feedback from users on the IKN website through forms sent to the POC listed.

8.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Lessons learned and AAR data support efficient and effective TMiCS training by identifying strengths and weaknesses observed in the operational environment.

- USAICoE Lessons Learned team and the CALL collect and analyze data from a variety of current and historical sources, including Army operations and training events. CALL disseminates this information and related research materials to Soldiers through a variety of print and electronic media.
- Users use AARs, sent to POCs, to provide feedback to improve training at the individual level.
- NSTID will provide Lessons Learned/AAR comments to the field.

8.1.3.3 Resource Processes

Institutional or operational domains resource all items required to support self-development training.

A Milestone Annex

<p align="center">TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET A</p>		<p align="center">PAGE OF PAGES</p>	<p align="center">REQUIREMENTS CONTROL SYMBOL</p>
<p>SYSTEM</p> <p align="center">TMiCS</p>	<p>ACAT</p> <p align="center">II</p>	<p>OFFICE SYMBOL</p>	<p>AS OF DATE</p> <p align="center">July 2014</p>
<p align="center">POINTS OF CONTACT</p>	<p align="center">NAME</p>	<p align="center">OFFICE SYMBOL</p>	<p align="center">TELEPHONE</p>
<p align="center">MATERIEL COMMAND</p>			
<p align="center">TRADOC PROPONENT</p>			
<p align="right">TCM</p>	<p>COL Carey</p>	<p>ATZS-CDI-A</p>	<p>DSN: 821-2165 COM: 520-533-2165</p>
<p align="right">CD:</p>	<p>Mr Laganosky</p>	<p>ATZS-CDI-A</p>	<p>DSN: 821-3022 COM: 520-533-3022</p>
<p align="right">TD:</p>	<p>MAJ Jensen</p>	<p>ATZS-CDI-N</p>	<p>DSN: 879-6551 COM: 520-538-6551</p>
<p align="right">ATSC:</p>			
<p align="center">SUPPORTING PROPONENTS:</p>			
<p align="center">ITEM</p>	<p align="center">DATE</p>	<p align="center">RESPONSIBLE AGENCY/POC</p>	<p align="center">TELEPHONE</p>

MNS :				
SMMP :				
CDD (draft)	3 July 2014	COL Carey	ATZS-CDI-A	DSN: 821-2165 COM: 520-533-2165
ILSMP :				
TTSP :				
QQPRI :				
BOIP :				
NETP :				
COMMENTS :				

TRAINING DEVELOPMENT MILESTONE	PAGE OF PAGES	REQUIREMENTS CONTROL SYMBOL
---	-------------------------	-----------------------------

NOTE: Identify **TRAINING DEVELOPMENT MILESTONES** . TRADOC FORM 569-1-R-E provides a detailed list of typical training development products required to support system training integration.

COMMENTS:

NOTE: The following table is optional; however, it is useful for populating SHEET B above and provides greater detail for each milestone. If not used, delete from this section before submitting for staffing.

	Individual Training Plan (Per each ITP)	

	Milestone:	Date
	1. Initial Individual Training Plan (ITP) submitted.	
	2. Annotated task list submitted.	
	3. Course Administrative Data (CAD) submitted.	
	4. Training Program Worksheet (TPW) submitted.	
	5. ITP submitted.	
	6. POI submitted.	
	7. Digitized copy archived.	

	8. Resident course start date (NLT 12 months after FUE).	
	Army Correspondence Course Program	
	(Only as a DL portion of a TATS course)	
	Milestone:	Date
	1. Requirement identified and submitted for approval.	
	2. Requirement approved by HQ TRADOC.	
	3. Development initiated.	
	4. Advance breakdown sheet submitted.	

	5. Digitized camera-ready copy (CRC) submitted.	
	6. Subcourse material ready for replication/distribution.	
	Field Manuals (FMs)	
	Milestone:	Date
	1. Requirements identified.	
	2. Draft FM changes validated.	
	3. FM outlines approved.	
	4. FM coordinating draft	

	completed.	
	5. Print/digitization request initiated.	
	6. Approved digitized CRC submitted.	
	7. Replication/distribution completed.	
	Army Training Literature Note: Includes the Soldiers' Manual (SM), Trainers' Guide (TG), and Army Training and Evaluation Program (ARTEP) products.	
	Milestone:	Date
	1. Analysis completed.	

	2. Draft SM, ARTEP MTP, and TG.	
	3. ATSC staffing.	
	4. Digitized/CRC submitted.	
	5. Replication/distribution completed.	
	Interactive Multimedia Instruction (IMI)/Distance Learning	
	Milestone:	Date
	1. Requirements identified and submitted for approval.	
	2. Requirements approved by ATSC and	

	TRADOC.	
	3. Resources identified.	
	4. Courseware developed and validated.	
	5. Master materials to ATSC for replication and distribution.	
	6. Replication/distribution completed.	
	Training Effectiveness Analysis (TEA)	
	(Conducted in-house, by contract, Training Development and Analysis Activity [TDAA], TRADOC Analysis Center [TRAC], or Program Manager [PM])	

	Milestone:	Date
	1. TEA during capabilities development.	
	2. TEA updated for Milestone Decision Review A.	
	3. TEA updated for Milestone Decision Review B.	
	4. TEA updated for Milestone Decision Review C.	
	5. Post-Fielding TEA (PFTEA) planned.	
	Army Visual Information Production and Distribution Program (DAVIPDP)	

	Milestone:	Date
	1. High risk tasks and jobs identified.	
	2. Storyboards validated.	
	3. DAVIPDP requirements submitted to ATSC.	
	4. Requirements approved by DA.	
	5. Production initiated.	
	6. Replication/distribution completed.	
	Training Aids, Devices,	

	Simulators, and Simulations	
	(TADSS)	
	Milestone:	Date
	1. High risk, hard-to-train tasks identified.	
	2. Need for TADSS identified.	
	3. TADSS concept validated.	
	4. TADSS incorporated into the STRAP (part of the CATS).	
	5. Analytical justification using the TEA provided.	

	6. TSS CDD/ CPD developed, if required.	
	7. TADSS effectiveness validated.	
	8. TADSS incorporated into the ICD, CDD, CPD, STRAP	
	9. MOS-specific milestones/requirements for TADSS developed and incorporated in the integrated training strategy (ITS).	
	Training Facilities and Land	
	Milestone:	Date
	1. Range and facility requirements identified.	

	2. Identification of construction requirements completed.	
	3. Construction requirements submitted to MACOM.	
	4. Requirements validated and updated.	
	5. Supporting requirements identified and availability coordinated.	
	6. Installation and other construction requirements submitted to MACOM.	
	7. Refined construction requirements and range criteria forwarded to MACOM, IMA, Chief of Engineers	

	8. Construction initiated.	
	Training Ammunition	
	Milestone:	
	1. Ammunition identified.	
	2. Initial ammunition requirements validated.	
	3. Requirements included in the ORD.	
	4. Ammunition item developed.	
	5. Validation	

	and test completed.	
	6. Ammunition requirements identified in the ITP.	
	7. Requirements provided to installation/MACOM manager.	
	8. Requirements included in DA Pam 350-38.	
	9. Production entered.	
	Training Equipment	
	Milestone	
	1.	

	2.	
	Training Services	
	Milestone	
	1. Contractor Logistic Support	
	2. Contractor NET Support	
	3. Contractor DET Support	

B References

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v1.2.3 Richard P Athanas 2015/02/04 - 2015/02/06	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.2 Richard P Athanas 2014/12/09 - 2014/12/12	No Comments Submitted			0	0	0	0	0	0	-
v1.2.1 Approvals - James A Callahan 2014/12/05 - 2014/12/15	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - USASOC 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - USAREUR 2014/10/01 - 2014/10/31	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - USARC G7 (US Army Reserve Cmd) 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - USAMA 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-

v1.2 Army - TCM-Gaming 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM-ABCT 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM TADLP 2014/10/01 - 2014/10/31	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - TCM ITE 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM Intel Sensors 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM Constructive 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM ATIS 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - Space & Missile Defense Command 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - SCoE 2014/10/01 - 2014/10/31	Document Accepted As Written	0	0	0	0	0	0	-

v1.2 Army - PM-UAS 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - PM SCIE 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - PM PROPHET 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - PM Fixed Wing 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - PM DCGS-A 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - PM AMPV 2014/10/01 - 2014/10/31	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - PM Air Warrior 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - PEO-STRI Customer Support Group 2014/10/01 - 2014/10/31	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - PEO Missiles and Space	No Comments	0	0	0	0	0	0	-

v1.2 Army - ICoE - Mil Intelligence School 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - Human Resource Command (HRC) 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - HQDA G2 - Alternate POC 2014/10/01 - 2014/10/31	0	4	0	0	2	0	0	2	0	
v1.2 Army - HQDA G2 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - HQDA G-1/AMPV Only 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - HQDA DCS G-8 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - HQ INSCOM G3, NWD 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - FCoE - Field Artillery 2014/10/01 - 2014/10/31	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - DAMO-TRS	No Comments									

2014/10/01 - 2014/10/31	Submitted			0	0	0	0	0	0	-
v1.2 Army - CYBER CoE - Signal School 2014/10/01 - 2014/10/31	5	2	0	5	0	0	0	2	0	
v1.2 Army - CYBER CoE - OCOS 2014/10/01 - 2014/10/31	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - CTCD 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - Combined Arms Center 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - CAC-T; Training Management Dir 2014/10/01 - 2014/10/31	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - Brigade Modernization Cmd (BMC) 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - AVNCoE Aviation Logistics School 2014/10/01 - 2014/10/31	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - ATSC TSAID 2014/10/01 -	No Comments Submitted			0	0	0	0	0	0	-

2014/10/31								
v1.2 Army - ATSC Fielded Devices 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - ARNG-RMQ-RA 2014/10/01 - 2014/10/31	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - Army National Guard 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - Army Material Command (AMC), G3 2014/10/01 - 2014/10/31	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - AMEDD Center & School 2014/10/01 - 2014/10/31	Document Accepted As Written	0	0	0	0	0	0	-
v1.1 Peer - USASOC 2014/08/22 - 2014/09/12	No Comments Submitted	0	0	0	0	0	0	-
v1.1 Peer - USAACE - Aviation School 2014/08/22 - 2014/09/12	Document Accepted As Written	0	0	0	0	0	0	-
v1.1 Peer - CYBER CoE - OCOS 2014/08/22 - 2014/09/12	No Comments Submitted	0	0	0	0	0	0	-
v1.1 Peer - SCoE								

2014/08/22 - 2014/09/12	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - MScOE - MANSCEN 2014/08/22 - 2014/09/12	4	0	0	4	0	0	0	0	0	
vl.1 Peer - MCoE - Infantry & Armor School 2014/08/22 - 2014/09/12	Document Accepted As Written			0	0	0	0	0	0	-
vl.1 Peer - MCCoE, DOT-S 2014/08/22 - 2014/09/12	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - ICoE - Mil Intelligence School 2014/08/22 - 2014/09/12	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - FCoE- ADA School 2014/08/22 - 2014/09/12	5	0	0	5	0	0	0	0	0	
vl.1 Peer - FCoE - Field Artillery 2014/08/22 - 2014/09/12	Document Accepted As Written			0	0	0	0	0	0	-
vl.1 Peer - CYBER CoE - Signal School 2014/08/22 - 2014/09/12	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - BCT CoE - Fort Jackson, SC 2014/08/22 -	No Comments Submitted			0	0	0	0	0	0	-

2014/09/12								
v1.1 Peer - AVNCoE Aviation Logistics School 2014/08/22 - 2014/09/12	No Comments Submitted	0	0	0	0	0	0	-

Key
Completed Review with Comments
Completed Review, No Comments
Active Review Occurring



DEPARTMENT OF THE ARMY
UNITED STATES ARMY INTELLIGENCE CENTER OF EXCELLENCE
1903 HATFIELD STREET
FORT HUACHUCA, ARIZONA 85613-7000

ATZS-DCT

4 December 2014

MEMORANDUM FOR Director, New Systems Training and Integration Directorate
(ATZS-CDI-N), 550 Cibique Street, Ft. Huachuca, AZ 85613-7017

SUBJECT: Approval of System Training Plan (STRAP) for the Terrestrial Multi-
intelligence Collection System (TMiCS)

1. The TMiCS STRAP is approved. Approved STRAP will be posted to the Central Army Registry (CAR) website: www.adtdl.army.mil.
2. Point of contact for this STRAP is Mr. Stephen McFarland, NSTID STRAP Manager (520) 533-5387 (DSN 821), stephen.j.mcfarland.civ@mail.mil.

A handwritten signature in cursive script, appearing to read "Lisa K. Price".

LISA K. PRICE
COL, MI
Deputy Commander, Training