

Intelligence and Electronic Warfare Tactical
Proficiency Trainer (IEWTPT) V2
(version 1.0)

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ICoE - Mil Intelligence School

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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.

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1.0 System Description

Intelligence&Electronic Warfare Tactical Proficiency Trainer (IEWTPT) is a Non-System Training Device (NSTD) which enables Military Intelligence (MI) systems, concepts, and Mission Command (MC) training through the use of highly realistic simulation, stimulation, and virtualized data and information. By design, it stimulates MI collection systems using high-fidelity live, virtual, and constructive (LVC) scenarios and vignettes which replicate combat situations and battlefield effects. It uses the overarching constructive simulation (CS) as the driver in a collective training environment yet also has the inherent capability to generate MI unique data for individual task training. IEWTPT supports and drives the "train as you fight" concept by enabling collectors and analyst access to virtual training data using their operational applications, toolsets, and data structure. It facilitates digital training for intelligence systems and replicates the intelligence Operational Environment (OE) and the Decisive Action Training Environment (DATE). IEWTPT enables trainers to leverage the latest, Tactics, Techniques and Procedure (TTPs), and local tactical Standard Operating Procedures (SOP) to ensure training is operationally focused and soldier centric. IEWTPT provides training capability to sustain the individual, section, and/or team's critical tasks in the collection, analysis, synchronization, integration, production and dissemination of intelligence products. The IEWTPT stimulates unique MI system processors and operational software to support cross-queuing of multi-discipline intelligence, encouraging the cohesive production of intelligence products to provide the Commander with an assessment of his MI capabilities' effectiveness. IEWTPT is intended to serve as an integral component of the MI digital LVC gunnery and supports combined arms training strategy (CATS) LVC enabling requirements.

The IEWTPT system is composed of: the Technical Control Cell (TCC) and the Target Signature Array (TSA). IEWTPT also includes a unique computer set that supports HUMINT training (the HUMINT Control Cell (HCC)), and it leverages the PM Constructive Simulation (CONSIM) developed constructive simulation (the force on force simulation driver) such as the Joint Land Component Constructive Training Capability (JLCCTC), Joint Conflict and Tactics Simulation (JCATS), Warfighter Simulation (WARSIM), and One Semi-Automated Forces (OneSAF). The TCC is the primary component of the IEWTPT system. The TCC is a processor "server stack" which uses simulation to create a robust, realistic target environment for high-fidelity training on Intelligence, Surveillance and Reconnaissance (ISR) systems supporting the intelligence disciplines (Signals Intelligence (SIGINT) - which includes Communications

Intelligence (COMINT) and Electronics Intelligence (ELINT), Imagery Intelligence/Geospatial Intelligence (IMINT/GEOINT), Measurement and Signature Intelligence (MASINT), Counterintelligence/Human Intelligence (CI/HUMINT) and Open Source Intelligence (OSINT). The TCC has two enclaves, secret collateral (Lower), and the TS/SCI (Upper). In addition to realistic simulation enhancement, it provides exercise support and control tools, scenario development capabilities, and includes an After Action Review (AAR) function. The TCC has the capability to distribute the exercise stimulation data to other training locations via secure Army networks. The TCC networks with the TSAs which are, by design, integrated with the ISR systems. The TSAs serves as the embedded training device and the network interface to the TCC for the MI war fighting systems/equipment. The TSA is either software or hardware (or a combination) designed to provide the ISR collection payload specific stimulation for each unique MI collection and processing system. It creates the raw collection data environment which provides the basis for training system specific individual and collective tasks using a system's operational tool sets and processes. Each MI Warfighting system PM is required to develop and deliver a TSA IAW the overarching IEWTPT requirements document and the system's Joint Capabilities Integration and Development Systems (JCIDS) documents and STRAP. For HUMINT training the Human Intelligence (HUMINT) Control Cell (HCC) is the TSA. The HCC is a 3D game/engine based training device designed for HUMINT training. By necessity, considering the system agnostic human dimension, its configuration is a unique solution creating a realistic training environment which supports a virtual person to person experience.

It uses avatars which replicate sources (individuals with information) as simulated role players, in a culturally specific environment (scenario) for realistic immersive training.

The IEWTPT supports the Battlefield Surveillance Brigade (BfSB) and BCT MI Company (MICO) commanders and S2s to ensure their organizations' MI Soldiers train and sustain perishable, low-density MI MOSs skills focused on the Intelligence Warfighting Function (IWF), DATE training and MI Soldier operational readiness. IEWTPT's AAR function enables the assessment of the unit's IWF training proficiency, increasing confidence in the unit's ability to execute their Warfighting mission. This capability allows the Commander to train IWF as an essential element of MC on intelligence collection, production, integration, and reporting using operational "go to war" systems, toolsets, and data environment.

First Unit Equipped (FUE) was Battle Sim Center, 304thMI BN, 111thMI BDE, Fort Huachuca AZ, with both the Collateral and SCI enclaves fielded in May 2004. The first HCC systems were fielded to the USAIC&FH in FY07. IEWTPT is the only ICoE proponent lead POR training device. Combat Development functions are performed by the New Systems Training and Integration Directorate (NSTID). The PM and material developer work directly for PM CONSIM and the Program Executive Office-Simulations, Training and Instrumentation (PEO STRI). The IEWTPT program is structured within the Mission Command Training Support Program (MCTSP) for funding. Each unique MI ISR system TSA is the responsibility of the MI system PMs for funding and development. Based on the Basis of Issue Guidance (BOIG), IEWTPT systems are fielded to and located within the Mission Training Complex (MTC) at selected Active Army and Reserve Component locations. However, based on guidance and decisions from each organization's leadership and the senior intelligence commanders, the systems may be housed within the local INSCOM Foundry site to better support MI training requirements.

Current IEWTPT capabilities include:

2.0 Target Audience

The Target Audience (for training) is the contractor support team, the Technical Support Specialist, (TSS). These personnel are contracted by the PM and PEO STRI as part of the overall logistics support plan. They serve as trainer/integrators for the system and are involved in exercises/training from inception, through execution, to conclusion and AAR. For HCC only sites, certain locations do not have organic TSS personnel. At these sites DA civilians or military personnel will receive the systems, and receive training from the PM NETT.

3.0 Assumptions

4.0 Training Constraints

TSAs are required to fully support IEWTPT training concepts and are insufficient in numbers and types. Each MI POR system PM is required to develop a TSA IAW the IEWTPT requirement document, the MI POR systems JCIDS documents and STRAPs, and to support the draft Holistic MI Training Strategy (2012). Partial TSAs exist for DE-CGS and Prophet, but these capabilities are part of the TCC and not included in each system (as described in the IEWTPT CPD). Priority for funding and development of the TSA is an unresolved issue for each PM.

5.0 System Training Concept

The IEWTPT logistic support plan includes contracted TSS teams to install, run and use the non-system capability of the IEWTPT system. They support the TCC and the HCC at each location where the system is fielded: Home station (MTC or Foundry), combat training centers (CTC), the ICoE, or other unique training facilities (e.g., Reserve or National Guard training sites). The TSS team at each location is responsible to ensure that the IEWTPT system is fully integrated within each training event (as capabilities are available) to support the various MI and non-MI tasks as required by local Commanders and trainers. These personnel will maintain a close relationship with local trainers and leadership to ensure they are an integral part of each training event. They will aggressively support MI Commanders training objectives and work with the exercise planners and observer/controls (OC) to ensure the system is fully incorporated into all aspects of each training event. The PM will provide a NET team (NETT) when fielding all equipment both initially and as new versions are produced and released to the field. The PM will provide a leave behind TSP which includes lessons on the use and implementation of all IEWTPT capabilities. The logistics concept includes direct reach-back to the Prime Contractor (GDC4S) for training, refresher training, and system inquiries. NSTID will develop and provide the Doctrine and Tactics, Training (DTT) and concept of employment (CONEMP). The TSS team at each location will train Military trainers on those aspects of the system which required Soldier/trainer interaction and be available to support their questions and provide guidance. In those cases where an HCC is fielded but no TSS is available, the PM provided NET team will train unit personnel and provide the leave behind TSP with all lessons. Additionally they will provide the contact information of the closest regional TSS who can support them with additional training and guidance. If a TSS team member leaves or changes jobs, PEO-STRI Field Operations (PM Field OPS) is responsible for the new hire and will ensure he/she has the requisite skills and is trained via a combination of on-site training and training at the GDC4S development facility in Orlando. For exercise support (based on organizationally specific requirements) the PM and ICoE have resourced intelligence areas specific contractor mobile training teams (MTTs). These discipline specific MTTs are scheduled via the PM office, as required, based on coordination with local exercise planners. They provide an expanded level of support to assist with training of new or advanced capabilities.

PMs for each MI system are required to develop and use a TSA for systems critical task training and skills sustainment. They will include the TSA tasks as part of the system's overall critical task list. Instructions for use and training will be provided at NET or via MTT and included in the system's leave

behind TSP IAW the system STRAP.

5.1 New Equipment Training Concept (NET)

PM IEWTPT provides NET to the TSS teams at each location and to those training organizations that only have HCCs. NET is funded by the PM. NSTID provides DTT as an integrated part of the NET event. NSTID participates in the new material in brief (NMIB) and provides the leadership and key staff personnel with information on the capabilities and limitations of the IEWTPT system. NET is conducted at all locations based on the BOIG and the release of new version updates and new capabilities.

5.2 Displaced Equipment Training (DET)

Not Applicable

5.3 Doctrine and Tactics Training (DTT)

NSTID participates in requirements development for those capabilities trained as part of the IEWTPT concepts. NSTID personnel develop the DTT for integration within the IEWTPT NET. NSTID military SMEs support DTT development and integration ensuring the simulated data and scenarios are as realistic as possible.

5.4 Training Test Support Package (TTSP)

The IEWTPT TTSP Dated 03 November 2002 was used for testing in May 2004 which was used for the Army Test and Evaluation Command (ATEC) Operational Event which supported the Milestone C Decision in December 2004.

6.0 Institutional Training Domain

6.1 Institutional Training Concept and Strategy

The ICoE has two IEWTPT TSS team members on staff at the battle simulation center within Rowe Hall. They are trained via NET and trained on new versions or enhanced capabilities by the Prime Contractor, either via site visit or travel back to the Prime Contractor's developmental facility. The institutional TSS team is responsible for the full integration of IEWTPT capabilities within applicable segments of each MOS producing or professional education course. The TSS team works with the Intelligence Combat Training

Center (ICTC) staff, instructors and the CIO G6. Using the TCC, they participate in practical exercise and CAPSTONE event planning, development and execution. As TSA capabilities are developed, these capabilities will be added to the institutional IEWTPT server configuration. PM IEWTPT will ensure the Prime contractor trains the TSS personnel on these systems as they are developed and fielded. The HCC configuration at the institution differs from all other organizations. They are configured as workstations in a classroom for study hall remediation. Each 35M study hall classroom has 11HCC workstations to support 35M task re-enforcement and training. The ICoE TSS team supports the classroom and provides instruction and guidance to the 35M instructors using these systems. Institutional Leader training focuses on providing a basic understanding of the IEWTPT system and its use for training individual, crew, unit, collective, and battle staff training. Additionally, it includes locations and BOIG of each IEWTPT system and the support concept. This training is presented to the Senior Leader Course (SLC), Advanced Leader Course (ALC), MI Warrant Officer Basic Course (MIWOBC), MI Warrant Officer Advanced Course (MIWOAC), MI Officer Basic Course (MIOBC), MI Captains Career Course (MICCC) and MI Pre-Command Course (MIPCC). Army Basic Instructor Course (ABIC) students are provided an in-class hand out to inform them about the IEWTPT program.

6.1.1 Product Lines

6.1.1.1 Training Information Infrastructure

The IEWTPT TCC is integrated within the Simulation Center architecture for local and distributed access. The TSS working with the Prime Contract and the CIO G6 provide security accreditation and information assurance certifications.

6.1.1.1.1 Hardware, Software, and Communications Systems

The TCC is located in the server room within the simulation center enclave. It operates on both SIPRNET and JWICS. The HCC is a "stand-alone" capability (a LAN) and is not connected to the larger distributed network.

6.1.1.1.2 Storage, Retrieval, and Delivery

Training scenarios will be provided by the constructive simulation (JLCCTC/JCATS/WARSIM) to the TCC. The TCC will provide the scenarios to the Warfighting systems software or TSAs over the appropriately classified

training network. HCC scenarios are available via AKO and shared across the training community.

6.1.1.1.3 Management Capabilities

The IEWTPT Proponent, The IEWTPT PM, and TSS leads maintain oversight of the current capabilities and coordinate for fielding of future IEWTPT capabilities to ICoE. Local command ensures equipment is placed on appropriate Property Books and Training Support-Materiel Army wide Tracking System (TS-MATS) inventory. The TSS team coordinates support to local unit personnel and training events. The team is managed via the PEO-STRI PM Field OPS training services contract.

6.1.1.1.4 Other Enabling Capabilities

Not Applicable

6.1.1.2 Training Products

6.1.1.2.1 Courseware

No new courseware will be developed however, TRAS documents (CADs, POIs, and LPs) require updating to include the IEWTPT as new capabilities are introduced.

6.1.1.2.2 Courses

IEWTPT requires no new courses to be created. The list below reflects the current courses that the TSS will support throughout the USAICoE.

Enlisted Courses Initial Entry (IET)

102-35T10 - MI System Maintainer/Integrator

243-35F10 - Intelligence Analyst

242-35G10 - Geospatial Intelligence Imagery Analyst

242-35G1-4 - (35H)(T) Imagery Analyst Transition

241-35M10 - Human Intelligence Collector

244-35L20 - Counterintelligence Special Agent

6.1.1.2.3 Training Publications

No IEWTPT specific training publications are required to support institutional training.

6.1.1.2.4 Training Support Package (TSP)

The IEWTPT NET will provide a leave behind TSP including all technical and operator level references to support the train-the-trainer methodology. All new version training courseware, as developed, will be included within the IEWTPT TSP. The NSTID developed CONEMP will be part of the NET TSP.

6.1.1.3 TADSS

6.1.1.3.1 Training Aids

Not Applicable

6.1.1.3.2 Training Devices

Not Applicable

6.1.1.3.3 Simulators

Not Applicable

6.1.1.3.4 Simulations

The IEWTPT system at ICoE leverages the Battle Sim Center provided constructive simulation. It is a combination of the Joint Conflict and

Tactical Simulations (JCATS) and the Warfighter Simulation (WARSIM) Intelligence Model (WIM). The FOC for the IEWTPT program will use the Army's objective constructive simulation (JLCCTC) for large scale simulation exercises.

6.1.1.3.5 Instrumentation

Not Applicable

6.1.1.4 Training Facilities and Land

The IEWTPT requires server space, administrative space and HCC classroom locations at the institution training facilities. Prior to fielding, PM IEWTPT conducts a site survey to ensure IEWTPT system requirements are met. The IEWPT TCC TS/SCI enclave "high side" must be located within a SCIF.

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

The HCC classroom workstation configuration is located in Weinstein Barracks. The equipment is provided by PM IEWTPT and supported by CIO G6. Lifecycle support is the joint responsibility of PEO-STRI and CIO G6.

6.1.1.4.4 CTCs

Not Applicable

6.1.1.4.5 Logistics Support Areas

Not Applicable

6.1.1.4.6 Mission Command Training Centers (MCTC)

IEWTPT supports the training for ICTC which is USAICoE's version of BCTC (Now referred to as Mission Training Centers [MTC]).

6.1.1.5 Training Services

6.1.1.5.1 Management Support Services

The prime contractor for the TCC and HCC, General Dynamics C4 Systems (GDC4S), provides an email address to the IEWTPT fielded sites that when sent will go to all GDC4S IEWTPT Leads for action. Email address is as follows: IEWTPT@gdc4s.com.

6.1.1.5.2 Acquisition Support Services

Contractor support for operation and maintenance of the TCC and HCC will be provided by the WCLS contract from PEO STRI.

6.1.1.5.3 General Support Services

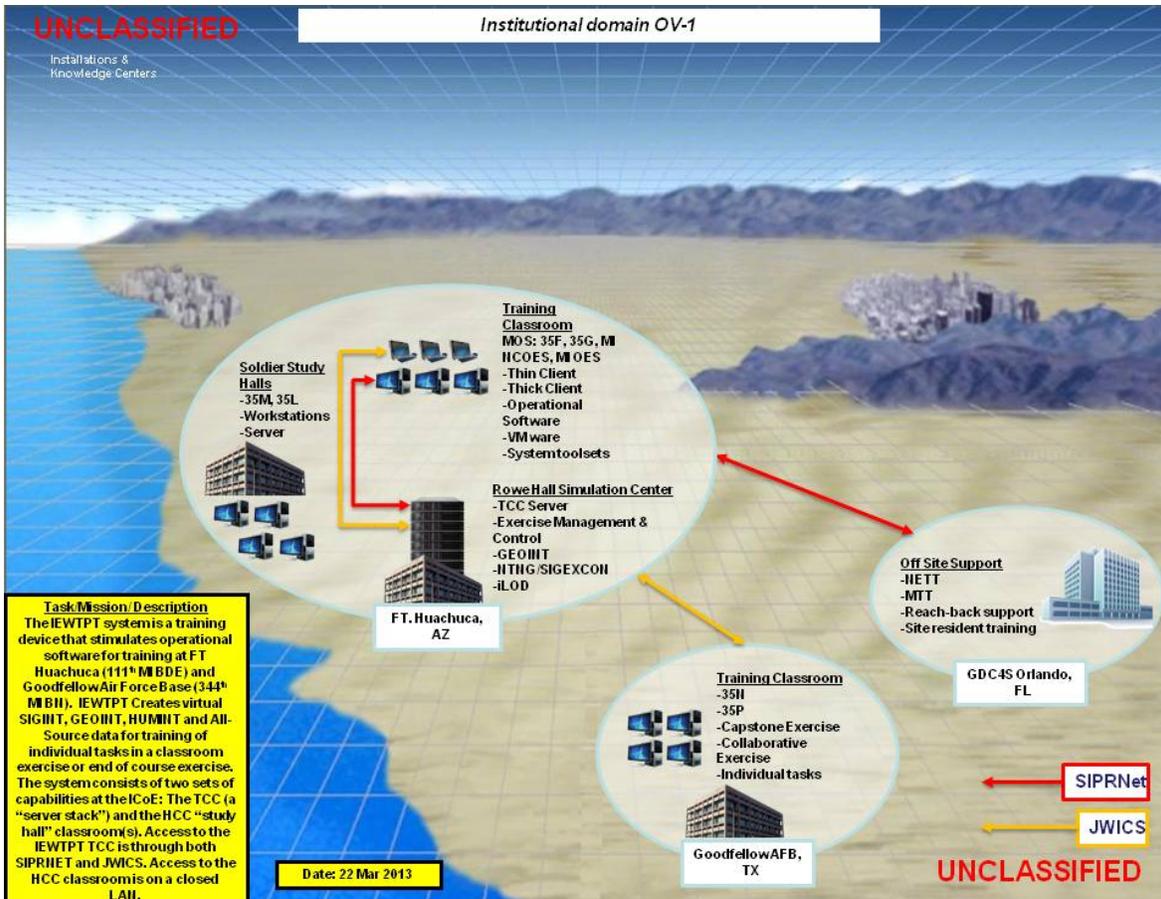
Not Applicable

6.1.2 Architectures and Standards Component

The TCC was fielded to the institution (USAIC&FH) in May 2004. It is Distributive Interactive Simulations (DIS) and High Level Architecture (HLA) compliant. The system has been updated by the Prime, under the direction of the PM, periodically since the initial fielding and will continue throughout the lifecycle of the program.

6.1.2.1 Operational View (OV)

The constructive simulation provides the scenarios to the TCC, which enhances and provides the scenario data to the TSAs. Each TSA requires different hardware and software to run and display the scenario data. However, each TSA will have both a recording and an AAR capability. Individual views will be added as each TSA is built. Below is a generic set-up with the constructive simulation, TCC and TSAs.



6.1.2.2 Systems View (SV)

Inventory and interface, components, battle command systems.

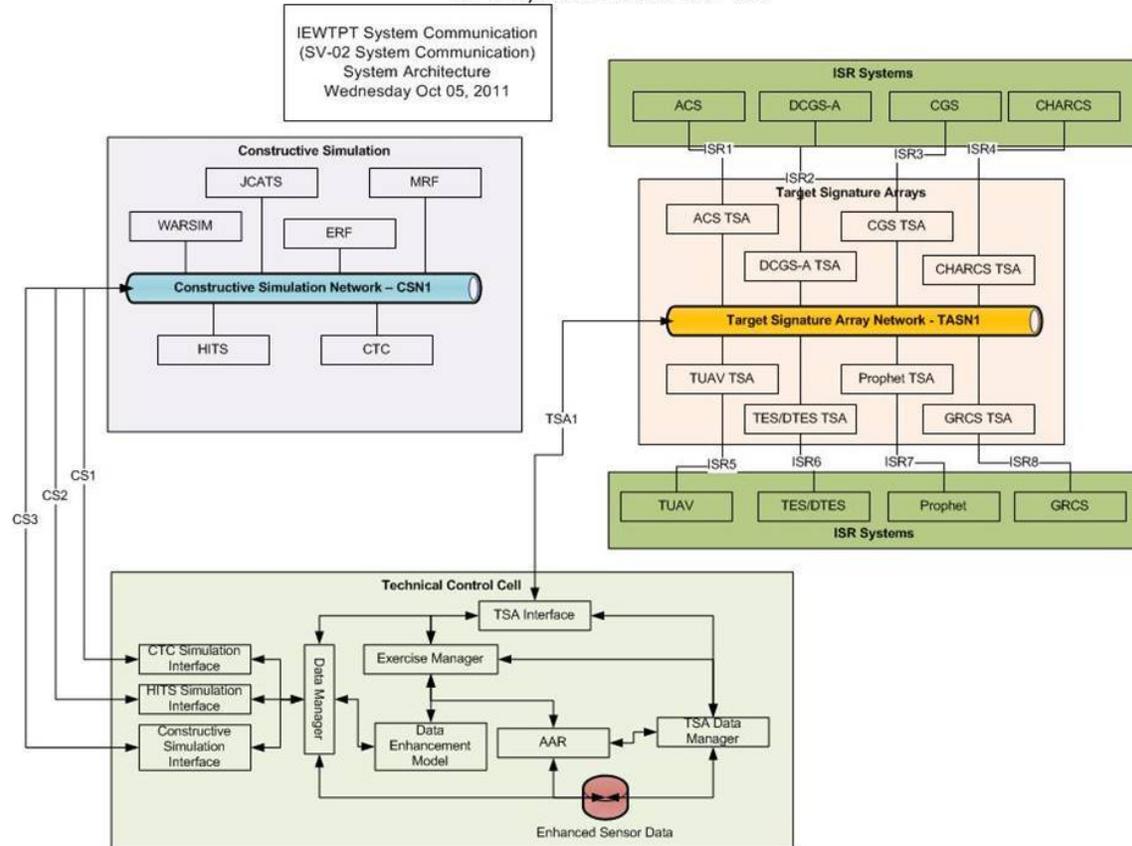
This diagram depicts the flow of data starting at the Constructive Simulation to the TSA. Data will flow from the CS to the TCC, once the TCC receives the data the TSS will ensure completeness and clarity of data, then ensuring the connection between the TCC and TSAs are complete will send the data onto the TSA.

6.1.2.3 Technical View (TV)

TV-1

consists of Set of Systems Standards' that govern implementation and operation for IEWTPT. The TV-1 was developed and published within the DISR online

SV-2 System Resource Flow



application. The TV-1 will be accessible on the SIPRnet via JCPAT-E website, http://disronline.disa.smil.mil/a/DISR/viewedit_systemprofiles.jsp. TV-1 was posted to website on 13 October 2011.

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

6.1.3.1 Management

Man hours per TCC and HCC use along with scenario development for all IEWTPT Proponent and TSS at all fielded locations are tracked via spreadsheet developed and distributed by the PM Field OPS. The PM Field OPS will periodically conduct a conference/meeting to discuss the previous month's events. PM Field OPS has also developed an online Sharepoint webpage to allow all TSS and IEWTPT Proponent personnel to share data and ideas.

6.1.3.1.1 Strategic Planning

IEWTPT supports the ICoE and TRADOC CG strategic plan and the Army Learning Model (ALM).

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

Operational Requirement Document (ORD) for Intelligence and Electronic Warfare Tactical Proficiency Trainer (IEWTPT), Update 4.1, approved 22 Sept 2004, device # 30-26. This document is currently under-going refreshment into a Capabilities Production Document (CPD).

6.1.3.1.6 Synchronization

IEWTPT's ICTC support is forecasted in the ICoE's Simulations Center Training calendar. Material Developers will ensure TCC/HCC updates are provide as the training calendar is strictly adhered to. Briefings and demonstration of both the TCC and HCC will require proper coordination.

6.1.3.1.7 Joint Training Support

Joint Training will follow the U.S. Army Training Concept established within the IEWTPT STRAP.

6.1.3.2 Evaluation

The USAICoE Quality Assurance Office (QAO) provides oversight on all institutional training curriculums by evaluating classroom instruction and all associated training documentation and courseware.

6.1.3.2.1 Quality Assurance (QA)

Quality Assurance for the proponent will receive feedback from the users to ensure the training meets the user's need. Feedback will assist the proponent in correcting institutional training domain deficiencies as well as revising the training materials. Users will provide results from field training exercises (FTX) and/or institutional training evaluation data.

6.1.3.2.2 Assessments

The IEWTPT Technical Support Specialist will periodically assess the data provided during the exercises to validate the scenario generated data.

6.1.3.2.3 Customer Feedback

An email address was established by the developmental contractor, GDC4S to provide assistance, and to receive feedback from the fielded sites. The Email address is: IEWTPT@gdc4s.com

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

ICoE TSS team tracks IEWTPT data usage at the institution and will solicit feedback from instructors and trainees.

6.1.3.3 Resource

The Program Manager Constructive Simulation (PM CONSIM) is responsible for securing the funding for the TCC and HCC components . The budget/funding line below supports the use of the IEWTPT at USAICoE and includes TCC contractor support, travel and per diem and printing cost.

TYPE	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
FUNDING							
OMA	\$350K	\$385K	\$388.5K	\$427.35K	\$470.08K	\$517.09K	\$2.538M

-Potential Resource Impacts (Training Issues at Risk)

- Security Requirements. Information Assurance (IA) policies and procedures will be adhered to as outlined in the IEWTPT Capabilities Production Documents Appendix A, para 1, (c), (d). Should policies and procedures not be met, IEWTPT systems will be unable to operate on the numerous networks needed for data transmissions to the various TSA's and web based training, thus degrading the ICTC training capabilities.

7.0 Operational Training Domain

7.1 Operational Training Concept and Strategy

The operational training domain includes the MTC and Foundry home-station training facilities, the CTCs, and other unique training facilities that support AR/NG training requirements. MTCs and CTCs are supported by TSS teams who operate and maintain the IEWTPT capabilities. TSS will have the requisite skills to employ the IEWTPT system for use in training events. They are trained via NET by the Prime Contractor and re-trained as necessary to keep pace with new versions and capabilities enhancements. The TSS for each location are expected to be actively involved in all MI exercise (as feasible) from exercise planning and development to execution and AAR. The TSSs are part of the organizations staff and are expected to be the local MI SME for MI training and training integration (via LVC simulations). For locations absent of a TSS team, the PM will ensure selected unit trainers are trained at NET, and the leave behind TSP includes the NET training material and site support contact information. As required the PM will provide a Mobile Training Team (MTT) to support re-training at sites with no permanent TSS team.

CONOPS-T will consist of a briefing and a TTP document on electronic media. The CONOPS-T will outline how this trainer will support the training of doctrine and tactics through its stimulation of the ISR Warfighting systems with realistic and doctrinally correct scenarios. Both the briefing and TTP document will be used for NET and USAICoE institutional courses. The same strategy will be used for RC training.

7.1.1 Product Lines

7.1.1.1 Training Information Infrastructure

The IEWTPT TCC at the MTC, CTC and Foundry will conform to their local organization's infrastructure with security accreditation and information assurance the responsibility of both the local CIO G6 and PM IEWTPT.

7.1.1.1.1 Hardware, Software, and Communications Systems

The TCC configuration at each home-stations location is located within the system server rack and may be either in the MTC (simulation center) or the Foundry site. It operates on the local training networks and SIPRNET and JWICS. The HCC is "stand-alone" by design for use at home-station.

7.1.1.1.2 Storage, Retrieval, and Delivery

Training scenarios will be provided by the constructive simulation (JCAT/TACSIM/JLCCTC) to the TCC. In the playback mode, the TCC will store exercise scenario and play back that scenario to the Warfighting systems via a LAN connection appropriate communication link. HCC scenarios are developed by both the prime contractor and local personnel. Scenarios are finalized and delivered by the prime contractor as part of the baseline for the trainer to each fielded site; additionally the ICoE IEWTPT team has developed an IKN site for access to various unique scenarios.

7.1.1.1.3 Management Capabilities

IEWTPT capabilities support the local training team and Intelligence Commanders for training. They are part of the MTC, Foundry or other regional training teams (determined by BOIG and local Leadership). The TSS team is managed (operational oversight) by the PEO STRI exercise support team.

7.1.1.1.4 Other Enabling Capabilities

In support of IEWTPT scenario development, TSS operators have access to the training brain operations center (TBOC) for research and MESL development.

7.1.1.2 Training Products

7.1.1.2.1 Courseware

Not Applicable

7.1.1.2.2 Courses

Not Applicable

7.1.1.2.3 Training Publications

The Combined Arms Training Strategy (CATS) for each MI system includes IEWTPT as the primary LVC training enabler.

7.1.1.2.4 TSP

The IEWTPT NET will provide a leave behind TSP including all technical and operator level references to support the train-the-trainer methodology. All

new versions training courseware, as developed, will be included within the IEWTPT TSP. The NSTID developed CONEMP will be part of the NET TSP.

7.1.1.3 TADSS

7.1.1.3.1 Training Aids

Not Applicable

7.1.1.3.2 Training Devices

Not Applicable

7.1.1.3.3 Simulators

Not Applicable

7.1.1.3.4 Simulations

In the operational domain the IEWTPT system uses current DA and Joint simulations that are distributed integrative simulation (DIS) or high level architecture compliant (HLA) such as the WARSIM, JCATS, or One Semi-Automated Forces (OneSAF).

The FOC for the IEWTPT program will use the Army's objective constructive simulation (i.e. JLCCTC) for large scale simulation exercises.

7.1.1.3.5 Instrumentation

The TCC interfaces/connects to the CTC instrumentation systems and the Home-station Instrumentation Training System (HITS).

7.1.1.4 Training Facilities and Land

The IEWTPT requires server space, administrative space and HCC classroom locations at the institution training facilities. Prior to fielding, PM IEWTPT conducts a site survey to ensure IEWTPT system requirements are met. The IEWPT TCC TS/SCI enclave "high side" must be located within a SCIF.

7.1.1.4.1 Ranges

Not Applicable

7.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

7.1.1.4.3 Classrooms

Classroom space will be required for NET training.

7.1.1.4.4 CTCs

The TCC and HCCs are fielded to the following maneuver CTCs ;JMRC, JRTC, and NTC. The PM trains the TSS at these locations and provides the leave behind TSP for "train-the-trainer" sustainment. Additionally, new versions and capabilities are trained via MTT or with travel back to the developer's facility.

7.1.1.4.5 Logistics Support Areas

Training Support Centers will be fielded the HCC systems for accountability, distribution and tracking of usage. These systems will be permanently hand-receipted to the end user.

7.1.1.4.6 Mission Command Training Centers (MCTC)

Mission Command Training Complexes (MCTC) will, as determined by local leadership, provide administrative space and server space for the TCC and TSS personnel. The TCC will leverage the constructive simulations architecture within the MCTC to support collective MI training.

7.1.1.5 Training Services

7.1.1.5.1 Management Support Services

The prime contractor for the TCC and HCC, General Dynamics Command, Control, Communications and Computers Systems (GDC4S), has provided an email address that when sent will go to all GDC4S IEWTPT Leads. The Email address is: IEWTPT@gdc4s.com.

7.1.1.5.2 Acquisition Support Services

PM CONSIM will provide funding for the current support contract for the TCC and HCC operators and maintainers for sites that have both fielded. At HCC only fielded sites, PM CONSIM provides contractor on-call support.

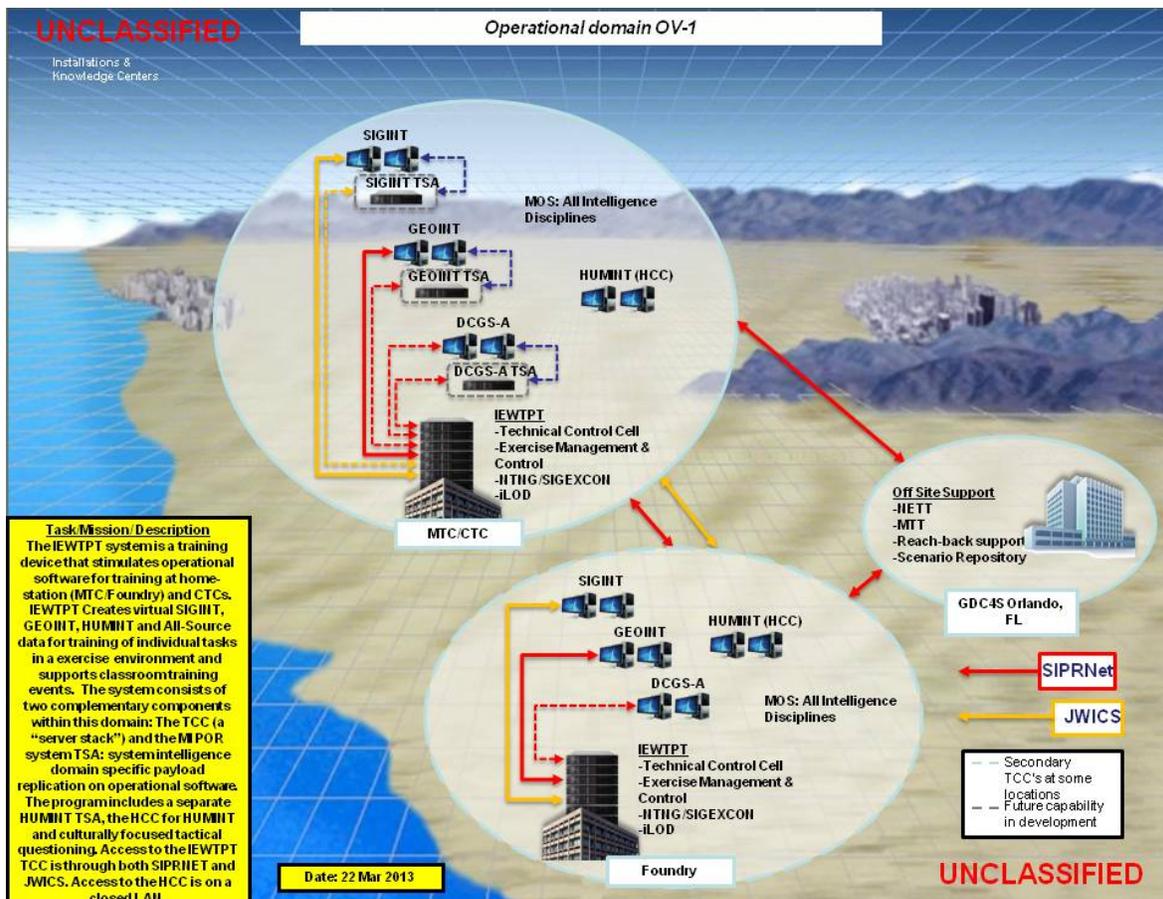
7.1.1.5.3 General Support Services

Not Applicable

7.1.2 Architectures and Standards Component

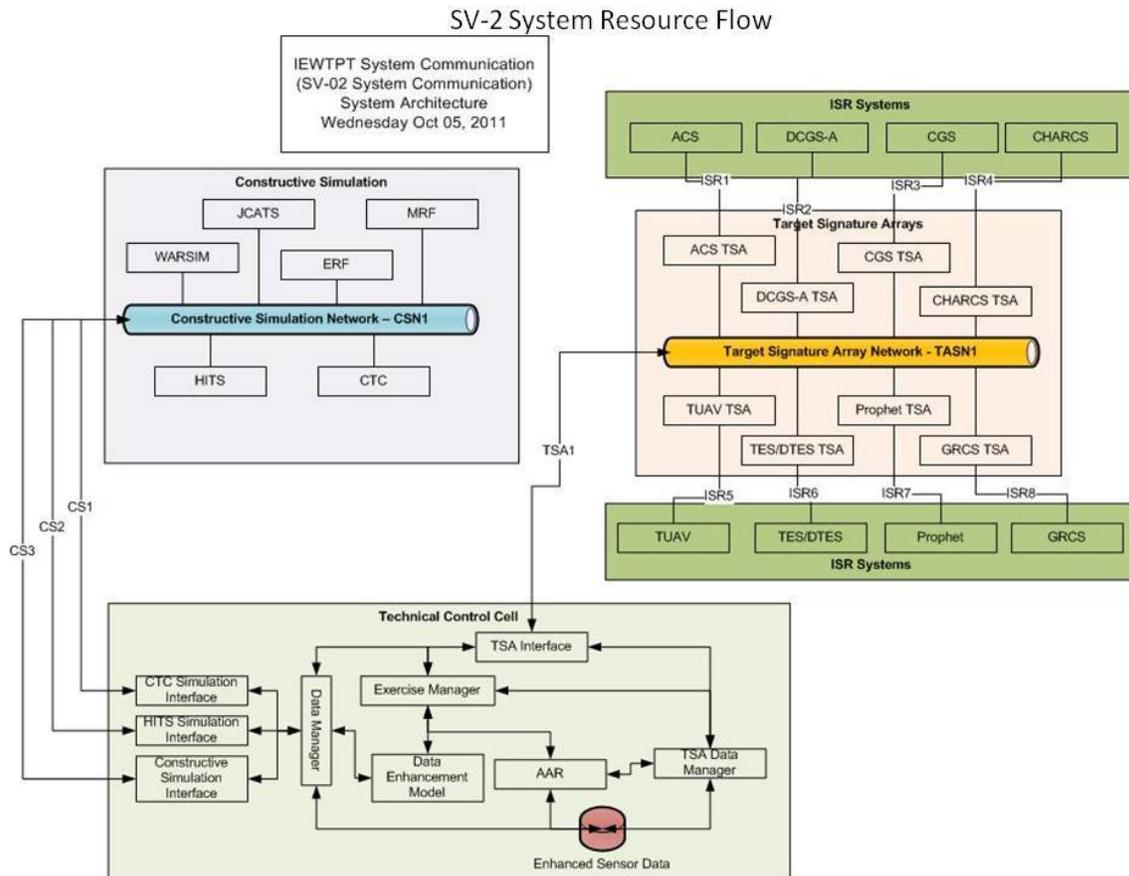
7.1.2.1 Operational View (OV)

The operational training concept will use the integrated and play-back modes of operation for training. There are currently two training strategies, one for home-stations and one for CTCs see Para 7.1 for further details.



7.1.2.2 Systems View (SV)

This diagram depicts the flow of data starting at the Constructive Simulation to the TSA. Data will flow from the CS to the TCC, once the TCC receives the data the TSS will ensure completeness and clarity of data, then ensuring the connection between the TCC and TSAs are complete will send the data onto the TSA.



7.1.2.3 Technical View (TV)

TV-1

consists of Set of Systems Standards' that govern implementation and operation for IEWTPT. The TV-1 was developed and published within the DISR online application. The TV-1 will be accessible on the SIPRnet via JCPAT-E website, http://disronline.disa.smil.mil/a/DISR/viewedit_systemprofiles.jsp. TV-1 was posted to website on 13 October 2011.

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

7.1.3.1 Management

Not Applicable

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

The budget/funding lines shown below are for total acquisition and support needed for the IEWTPT system. Dollar amounts are shown in Millions \$.

Type Funding	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
OPA	\$7,441	\$8,185	\$12,635	\$5,888	\$8,268	\$7,333	\$4,896	\$54,646
OMA	\$7,139	\$6,066	\$6,044	\$7,539	\$9,400	\$10,020	\$13,743	\$59,951
Total	\$14,580	\$14,251	\$18,679	\$13,427	\$17,668	\$17,353	\$18,639	\$114,597

7.1.3.3.1 Resource Processes

- Potential Resource Impacts (Training Issues at Risk)

8.0 Self-Development Training Domain

Not Applicable

A Milestone Annex

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET A		PAGE 1 OF 1 PAGES		REQUIREMENTS CONTROL SYMBOL
SYSTEM IEWTPT		ACAT III	OFFICE SYMBOL	AS OF DATE 21 Nov 12
POINTS OF CONTACT		NAME	OFFICE SYMBOL	TELEPHONE
MATERIEL COMMAND/PM ConSim		COL W. Epps		407-384-3650 DSN 970-5146
TRADOC PROPONENT		Mr. Johnny Jackson	ATZS-CDI-N	520-538-1136 DSN 879
TCM		N/A		
CD:		Mr. Johnny Jackson	ATZS-CDI-N	520-538-1136 DSN 879
TD:		Mr. Johnny Jackson	ATZS-CDI-N	520-538-1136 DSN 879
ATSC:		Mr. Nero Borders		757-878-0242 DSN 826
SUPPORTING PROPONENTS:				
PD:		Mr. Don Stewart		
PD CHARCS:		Mr. Peter Janker		703-704-0370 DSN 654
ASPO (TES/DTES):		Mr. Tim Roseberry		703-428-8862 DSN 328
PM JSTARS/TGS		MAJ Shermoan Daiyaan		443-861-2417 DSN 848
PM UAS:		COL Tim Baxter		256-313-5327 DSN 788
PM ARES:		COL Keith Hirshman		443-861-1991 DSN 848
PM Prophet:		COL Slater Jonathan		732-427-1479 DSN 458
PM DCGS-A:		COL Charles A. Wells		443-861-2442 DSN 848
ITEM	DATE	RESPONSIBLE AGENCY/POC		TELEPHONE

MNS:	N/A			
SMMP:	1 Oct 92	Mr. Johnny Jackson	ATZS-CDI-N	520-538-1136 DSN 879
ORD:	22 Sep 04	Mr. Johnny Jackson	ATZS-CDI-N	520-538-1136 DSN 879
ILSMP:	1 Jul 04	Ms. Linda Morris, PM ConSim		DSN 970-5146
TSP:	TBD	Mr. Johnny Jackson	ATZS-CDI-N	520-538-1136 DSN 879
QQPRI:	N/A			
BOIP:	N/A			
NETP:	N/A			
<p>COMMENTS: *The CPD is completed and currently up at TRADOC under 3-Star review. Funding for the TCC (non-system training device) began in FY00.</p>				

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B		PAGE 1 OF 4 PAGES	REQUIREMENTS CONTROL SYMBOL N/A
SYSTEM IEWTPT	TRADOC SYMBOL: USAICoE		AS OF DATE 21 Nov 2012
TRAINING PACKAGE ELEMENT/PRODUCT Intelligence Combat Training Center (ICTC)			

	MILESTONES BY QUARTER														
LEGEND															
:															
1.															
2.															
3.															
4.															

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: 1. Full Operational Capability: Initial operational capability (IOC) TCC installed in Rowe Hall, 3rdQTR FY04. FOC for the field is beyond FY19.
 2. TRAS Documents: TRAS documents (ITP, CAD, POI, and LP) will be updated for each Institutional course that will utilize the ICTC.
 3. Extensive use of CGS TSA with JSWS is support of GEOINT training and uses HCC for HUMINT training.
 4. TSA Available: CGS on-hand since FY04 and HCC provided 3d QTR FT07, SIGINT capability developed in 2011 (SIGINT EXCON and NTNG provides the SIGINT Analyst with the ability to practice their skillset). DCGS-A TSA availability still under development. SIGINT capability is available through the SIGINT EXCON/NTNG software package on the TCC and the PROPHET TSA 'white box' located in Rowe Hall.

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SYSTEM IEWTPT	TRADOC SYMBOL USAICoE	AS OF DATE 21 Nov 2012
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TRAINING PACKAGE

ELEMENT/PRODUCT TCC New Equipment Training (NET) program/materials

MILESTONES BY QUARTER

LEGEND
:

1.	X				X				X				X		
2.	X				X				X				X		
3.	X														

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: 1. NET TCC Training:

Fort Stewart - FY15
 Indiana NAT Guard - FY15
 Joint Base Richardson/Elmendorf - FY16
 Fort Drum - FY16
 ARISC-NE (JBDM) - FY17
 300thMI BDE Draper UT - FY17
 ARISC-SW (CP Bullis, TX) - FY18
 Fort Knox - FY18

ARISC-NC (FT Sheridan, IL) - FY18

ARISC-SE (Gordon Enclave) - FY19

Initial operational capability (IOC) TCC installed in Rowe Hall, 3rdQTR FY04. FOC is beyond FY19.

2. CONOPS-T: A CONOPS-T briefing (developed and presented by New Systems Training&Integration Division (NSTID) will be presented as part of the New Material In-brief, to MI staff and commanders during unit NET. The briefing will focus on how IEWTPT supports unit training requirements.

3. ANY TSA AVAILABLE: PROPHET 'white box' provided to Institution in FY12. TSA for CGS on-hand since FY04 and HCC provided 3d QTR FT07, SIGINT capability developed in 2011 (SIGINT EXCON and NTNG provides the SIGINT Analyst with the ability to practice their skillset. DCGS-A TSA availability still under development.

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	
v0.2.2 Richard P Athanas 2013/03/29 - 2013/04/08	Document Accepted As Written			0	0	0	0	0	0	-
v0.2.1 Approvals - James A Callahan 2013/03/26 - 2013/04/05	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - PEO-STRI Customer Support Group 2013/02/15 - 2013/02/16	1	4	0	1	3	0	0	1	0	
v0.2 Army - USASOC 2013/01/17 - 2013/02/16	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - USAREUR 2013/01/17 - 2013/02/16	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - USARC G7 (US Army Reserve Cmd) 2013/01/17 - 2013/02/16	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - US Joint Forces Command Net-C2 2013/01/17 - 2013/02/16	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TRADOC_ARCIC	No Comments			0	0	0	0	0	0	-

2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - TRADOC G-3/5	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - TCM-SBCT	Document Accepted			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	As Written									
v0.2 Army - TCM-Live	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - TCM dL	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - TCM ATIS	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - SIGCoE - Signal School	Document Accepted			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	As Written									
v0.2 Army - SCoE	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - PM-UAS	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - PM PROPHET	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - PM DCGS-A	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - PEO-STRI Customer Support Group	24	62	0	14	20	0	10	42	0	
2013/01/17 - 2013/02/16										
v0.2 Army - PEO Aviation	No Comments			0	0	0	0	0	0	-

2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - MCoE - MANSCEN	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - MCoE - Infantry&Armor School	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - IMCOM	Document Accepted			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	As Written									
v0.2 Army - HQDA G2	Document Accepted			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	As Written									
v0.2 Army - FCoE - Field Artillery	2	0	0	2	0	0	0	0	0	
2013/01/17 - 2013/02/16										
v0.2 Army - Combined Arms Center	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - CAC-T; Training Management Dir	1	5	0	0	2	0	1	3	0	
2013/01/17 - 2013/02/16										
v0.2 Army - Brigade Modernization Cmd (BMC)	No Comments			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - ATSC Fielded Devices	Document Accepted			0	0	0	0	0	0	-
2013/01/17 - 2013/02/16	As Written									
v0.2 Army - ATSC	No Comments			0	0	0	0	0	0	-

2013/01/17 - 2013/02/16	Submitted									
v0.2 Army - ARNG-RMQ-RA 2013/01/17 - 2013/02/16	Document Accepted As Written			0	0	0	0	0	0	-
v0.1 Peer - USASOC 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - USAACE - Aviation School 2012/11/21 - 2012/12/14	Document Accepted As Written			0	0	0	0	0	0	-
v0.1 Peer - TCM Intel Sensors 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - SIGCoE - Signal School 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - SCoE 2012/11/21 - 2012/12/14	0	0	1	0	0	1	0	0	0	
v0.1 Peer - PM DCGS-A 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - PM ARES 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - PEO-STRI Customer Support Group 2012/11/21 - 2012/12/14	Document Accepted As Written			0	0	0	0	0	0	-
v0.1 Peer - MSCoE - MANSCEN 2012/11/21 - 2012/12/14	6	0	0	6	0	0	0	0	0	
v0.1 Peer - MCoE -	No Comments			0	0	0	0	0	0	-

Infantry&Armor School 2012/11/21 - 2012/12/14	Submitted									
v0.1 Peer - MANSCEN- Military Police 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - FCoE- ADA School 2012/11/21 - 2012/12/14	3	0	0	3	0	0	0	0	0	
v0.1 Peer - FCoE - Field Artillery 2012/11/21 - 2012/12/14	Document Accepted As Written			0	0	0	0	0	0	-
v0.1 Peer - AVNCoE Aviation Logistics School 2012/11/21 - 2012/12/14	No Comments Submitted			0	0	0	0	0	0	-

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



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ATZS-DCT

22 March 2013

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 Intelligence & Electronic Warfare Tactical Proficiency Trainer (IEWTPT)

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


JEFFREY E. JENNINGS
COL, MI
Deputy Commander, Training