

Pursuit and Exploitation  
(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

Background: To support future Brigade Combat Team (BCT) and Expeditionary Military Intelligence Brigade (E-MIB), Multifunctional Teams (MFT) require an integrated Multiple-Intelligence (Multi-INT) capability to meet mission demands of maneuver battalions. A Pursuit and Exploitation (P&E) 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 P&E system will be comprised of existing Programs-of-Record (POR) and Quick Reaction Capabilities (QRC) as dictated in the Capability Production Document (CPD). P&E integrates Prophet, Counterintelligence HUMINT Automated Reporting and Collection System (CHARCS), Biometrics, Distributed Common Ground System- Army (DCGS-A), Document and Media Exploitation (DOMEX), or like capabilities. P&E will be designed to allow Technology Insertion (TI) of the latest systems within hours as opposed to weeks or months.

P&E, the Army's Multi-INT, Near-Real Time (NRT), On-The-Objective (OTO), On-The-Move (OTM), and terrestrial capability, is a system consisting of two organic vehicles. P&E will operate in-conjunction with a mission command element of the Military Intelligence (MI) Company (MICO), E-MIB, and the Armor/Infantry/Stryker BCTs (A/I/SBCT). P&E HUMINT, SIGINT, Biometrics-Enabled Intelligence (BEI), and Forensic-Enabled Intelligence (FEI) capabilities enable commanders to achieve greater flexibility in mission planning and decision making. Using Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) technology, P&E provides a worldwide-deployable intelligence collection and exploitation capability that satisfies MFT requirements, while maintaining a flexible approach to support future system software and hardware upgrades that defeat enemy capabilities. P&E operates in vehicle-mounted and man-pack, and fixed-site configurations. This enables Soldiers to detect, track, and report High Value Targets (HVT)/High Value Individuals (HVI) in a timely manner, with both Line-Of-Sight (LOS) and Beyond-Line-Of-Sight (BLOS) reach-back capability to access time-sensitive, theater-specific databases from anywhere in the world.

P&E also enables Soldiers to communicate with, and cross-cue, other theater assets to produce timely, more precise responses to Commander's Critical Information Requirements (CCIR). P&E provides sufficient on-board processing to perform automated, high-speed scanning, detection, and Direction Finding (DF) to meet SIGINT collection, geolocation, and identification of targets in a dense signal environment.

## **2.0 Target Audience**

The target audience for P&E training includes all MI Soldiers, with needs ranging from awareness to specific training requirements for operators, maintainers/integrators, and Leaders. All MI Military Occupational Specialties (MOS); Enlisted, Warrant Officer, and Officer ranks at Fort Huachuca and Goodfellow Air Force Base; will receive P&E training tailored to each course. All 35P (Cryptologic Linguist), 35M (HUMINT Collector), and 35T (MI Systems Maintainer/Integrator) will receive some P&E training during Advanced Individual Training (AIT), according to current Programs of Instruction (POI). Additional 35P, 35M, and 35T training will be provided during the system fielding through New Equipment Training (NET) or Displaced Equipment Training (DET), as well as from Foundry and On-the-Job Training (OJT).

MI Officers, Warrant Officers, and Noncommissioned Officers will receive an overview of the P&E system and how to employ it during 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), and 35 Career Management Field (CMF) Senior Leader Course (SLC).

## **3.0 Assumptions**

### **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**

- GAFB 35P 10 level course has the SIGINT receiver available to train
- United States Army Intelligence Center of Excellence (USAICoE) 35M 10 level course has CHARCS available to train
- Target Signature Array (TSA) will be provided to 35M, 35P, and 35T institutional training

### **Training**

- 35P10 and 35T10 course contains Radio Wave Propagation and Signal Theory
- 35M10 course will contain CHARCS training

Prerequisites for attending the P&E training are:

- Be MOS qualified (outside AIT)
- Possess a Top Secret (TS) access with caveats to SCI (TS/SCI)
- National Security Agency (NSA) Network (NSANet) access
- Licensed on the program identified vehicle

## 4.0 Training Constraints

Constraint	Probable Impact	Mitigating Efforts
<p>Prerequisites not met prior to training:</p> <ul style="list-style-type: none"> <li>- 35M, 35P and 35T MOS qualified</li> <li>- Access to NSANET (requires polygraph or waiver)</li> </ul>	<p>Students will not be able to attend training and/or event will not be conducted or completed.</p>	<p>Program Manager (PM) will require a memorandum signed by the unit commander prior to NET with Soldiers identified by name that satisfy the prerequisite requirements.</p>
<p>Local and federal regulations and agreements restrict the collection and emission of signals without prior authorization.</p>	<p>Students cannot train on the collection of training target signals and practical exercises dealing with the collection considerations of target signals in a realistic signal environment.</p>	<p>PM and units coordinate approval of frequencies through Installation Frequency Manager.</p> <p>PMs must develop and field the TSA to support the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) to simulate the target signals.</p>

## 5.0 System Training Concept

P&E system training includes Institutional, Operational, and Self-development training for the 35M, 35P, and 35T MOS. 35T MOS Soldiers receive specialized, non-organic systems maintenance training, as well as maintenance and trouble-shooting of the P&E system. Leader training consists of a capabilities and

employment brief conducted at NET, system overview and Doctrine and Tactics Training (DTT) at the appropriate institutional courses and at home station using Training Support Package (TSP) and Interactive Multi-media Instruction (IMI).

NET or DET will be provided by the assigned PM and conducted In Accordance With (IAW) an approved Training and Doctrine Command (TRADOC) TSP. Unit sustainment training is further enhanced with the use of a P&E IMI, and Leader's Training IMI, conducted at-home-station and facilitated with P&E'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 with separate HUMINT and SIGINT training culminating with an integrated capstone exercise.

<b>TRAINING DOMAINS</b>				
<b>MOSC</b>	<b>INSTITUTIONAL</b>		<b>OPERATIONAL</b>	<b>SELF DEVELOPMENT</b>
	<b>USAICoE</b>	<b>GAFB</b>		
MIBOLC (3-30-C20B)	Overview			
MICCC (3-30-C23)	Overview			
MIPCC (2G-F41)	Overview			
MI WOBC Common Core	Overview			
ALC (35M, 35P, 35T) (241-35M30-C45, 231-35P3LXX-C45, 102-35T30-C45)	Overview			
SLC (2-35-C46)	Overview			
35M10 Human Intelligence	Selected (TBD) supportive tasks		NET/DTT OJT Program-NET TSP,	NET TSP, IMI

Collector (241-35M10)	in AIT		IEWTPT Foundry	
35P10 Cryptologic Linguist (XAABR1N33_)		Selected (TBD) supportive tasks in AIT	NET/DTT OJT Program-NET TSP, IEWTPT Foundry	NET TSP, IMI
35T10 Military Intelligence Systems Maintainer/Integrator (102-35T10)	Comprehensive training on actual P&E systems during AIT		NET/DTT OJT Program-NET TSP, IEWTPT Foundry	NET TSP, IMI

## **5.1 New Equipment Training Concept (NET)**

The NET, a scenario driven and learner centric platform, is conducted concurrently with the fielding of P&E. 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). P&E NET consists of MOS-specific system critical tasks containing fundamentals of operation and hands-on training using the fielded P&E 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 Training Plans, Program of Instruction (POI), Lesson Plans (LP), student guides, Technical Manuals (TM), Interactive Electronic Technical Manual (IETM), and any IMI or distributed Learning (dL) developed materials. The PM will develop updates or supplements to training materials to support specific TI and Area of Responsibility (AOR) requirements. The NET culminates with an integrated HUMINT, SIGINT, and maintainer STX.

## **5.2 Displaced Equipment Training (DET)**

The PM will fund DET, to be given by the NETT, following a unit's receipt of a system. The NETT will provide a copy of the TSP to the fielded unit to support sustainment/proficiency training.

## **5.3 Doctrine and Tactics Training (DTT)**

DTT is a combination of the PM delivered training material (LPs, Training Aids, Devices, Simulators, and Simulations [TADSS], manuals, IMIs, etc.) coupled with the proponent developed (by a New Systems Training and Integration Directorate [NSTID] Training Developer [TNGDEV]) input (this becomes the NET POI). The TNGDEV's input includes scenarios that prompt the user to act (utilize the system) while the PM's NET team walks the student through the steps associated with the required action. NET engrains into the student how to accomplish the task on the new system/capability, DTT engrains why they are doing the task and the expected outcome/result. Practical exercises will be introduced which will require the student to independently work through actions that identify their ability to use the system/capability during the conduct of their mission. The DTT is threaded throughout the entire NET, requiring a coordinated presentation from both the PM's NET personnel and the proponent DTT instructor.

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 and validate the TTSP in conjunction with the PM for P&E 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 initial TTSP will include:

- Approved STRAP
- Test Training Certification Plan (TTCP)
- Training data requirements (instructional material to be revised before beginning training)
- Test training resource support (labor, etc.)

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)
- List of training devices and embedded training components.
- 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 P&E's doctrine and TTPs. The MI Noncommissioned Officer Academy (NCOA), MI WOBC, MI BOLC, MICCC, MIPCC, and USAICoE AIT (35M, 35P, and 35T) Courses will integrate this training. This training includes all P&E systems and associated QRCs.

## **6.1 Institutional Training Concept and Strategy**

P&E institutional training focuses on the 35M, 35P, and 35T MOS.

The 35P training includes, at minimum, operations of SIGINT receiver, SIGINT Software, radio wave propagation theory, and establishing Satellite Communications (SATCOM). GAFB utilizes 18 workstations loaded with the Prophet Training Suite (PTS) to enhance P&E training.

35M training will include HUMINT collection methods, DCGS-A, CHARCS, and Deployable Counter Intelligence (CI) and HUMINT Portal (DCHIP).

35T training will include specialized, non-organic systems maintenance training, as well as maintenance and trouble-shooting of the P&E SIGINT system during their MOS producing course. P&E hardware and software on COTS workstations networked and connected to SIGINT receivers, provided by the PM, is used to teach critical maintainer tasks to include system troubleshooting, fault detection/isolation, and repair/replace.

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

### **6.1.1 Product Lines**

The P&E 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, Soldiers and Leaders need to conduct training in the institutional domain.

#### **6.1.1.1 Training Information Infrastructure**

The P&E training information infrastructure will conform to both joint and Army architectures and standards (i.e. Theater Deployable Communications [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

- **P&E SIGINT Hardware/Software (HW/SW).** The current PM provided P&E SIGINT System HW and SW are required to train the individual critical tasks for P&E system.
- **P&E Multi-INT HW/SW.** The current PM provided P&E Multi-INT System HW and SW are required to train the individual critical tasks for P&E system.
- **Courseware IMIs.** The PM will develop the IMIs for P&E Systems and corresponding components, which are required for training the operators, maintainers, and leaders. These P&E IMI programs will be based on a task and skill analysis of the P&E System, and be designed to make training accessible through exportable media and by the appropriate web-based resources, depending on classification. The PM will maintain and update the IMIs in conjunction with changes to the system throughout the system's life cycle. The PM will use a TRADOC accepted authoring system that allows institutional trainers to update the training programs as required (Defense Information Infrastructure Common Operation Environment [DIICOE] and SCORM compliant).
- **NSTID portals.** A NSTID Web Site will support units equipped with the P&E systems. The site provides a digital library with up-to-date technical manuals and quick reference guides. The site contains a listing of all Communications-Electronics Command (CECOM) Local Area Representative (LAR), as well as a listing of lessons learned covering both operations and maintenance. NSTID will maintain this web site.
- **TSA HW/SW.** The P&E TSA is a system-training device that simulates the tactical environment. The TSA is developed and maintained by the PM with the support of Program Executive Office of Simulation, Training and Instrumentation (PEO-STRI) for the life cycle of the system.
- **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 NSANET, 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 post the unclassified TSP and IMI developed by the PM on the USAICoE website and the classified TSPs and IMIs on their respective classified networks.

### **6.1.1.2 Training Products**

PM will provide course materials used at NET to train USAICoE institutional courses. PM will provide the P&E IMI and Leader's Training IMI to USAICoE, when developed or modified. Course managers, with the assistance of the USAICoE TNGDEVs, will modify PM provided materials to support tasks selected for instruction at the institution.

#### **6.1.1.2.1 Courseware**

Courseware will include a PM-provided IMI for P&E, SIGINT receiver, SATCOM operations, and Leader's Training. PM Provided system IMI will be integrated within the operational P&E software. The institutional course will also be provided with all software necessary to control system functions.

PM will develop and refine P&E IMI for HUMINT, SIGINT, and maintainer tasks. The IMI will supplement the institutional course.

#### **6.1.1.2.2 Courses**

- **35M10.** The 35M10 course includes HUMINT collection methods, DCGS-A, CHARCS, and DCHIP, which supports P&E HUMINT operations. P&E will not require a change to the 35M course.
- **35P10.** The 35P10 course will include radio wave theory and use of the P&E SIGINT software in the P&E training suite classroom to operate simulated SIGINT receivers.
- **35T10.** The 35T10 MOS producing course, conducted at USAICoE, includes maintenance training on existing POR, and requires no change to the 35T course.
- **35P ALC.** USAICoE NCOA conducts this training. The NCOA will focus the training on an overview of P&E system capabilities, doctrine, and tactics.

- **35M ALC.** USAICoE NCOA conducts this training. The NCOA will focus the training on an overview of P&E system capabilities, doctrine, and tactics.
- **35T ALC.** USAICoE NCOA conducts this training. The NCOA will focus the training on an overview of P&E system capabilities, doctrine, and tactics.
- **35 CMF SLC.** USAICoE NCOA conducts this training. The NCOA will focus the training on an overview of P&E system capabilities, doctrine, and tactics.
- **MI BOLC.** Officers attending MI BOLC receive training on the capabilities and employment of P&E during the Intelligence Electronic Warfare (IEW) Operations portion of the course.
- **MI CCC.** Officers attending MI CCC receive training on the employment of P&E during the Brigade Operations and Intelligence block of instruction.
- **MI PCC.** Officers attending MI PCC receive training on the capabilities and employment of P&E.
- **MI WOBC.** MI Warrant Officers attending MI WOBC receive an overview of P&E system capabilities, doctrine, and tactics during the common core portion.

#### **6.1.1.2.3 Training Publications**

Capabilities Development and Integration Directorate (CDID) will review or revise the following as changes to P&E 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

PM will review or revise the following as changes to P&E capabilities occur:

- P&E IETM
- P&E IMI
- Leader's Training IMI

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 PM 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 P&E and contain the most current TMs, LPs, POIs, and training aids available at the time of fielding. NSTID will validate and approve the TSP prior to First Unit Equipped (FUE).

#### **6.1.1.3 TADSS**

P&E TADSS will be developed based on the system critical tasks and an analysis performed by the TNGDEV in collaboration with the system PM. P&E TADSS will support system training and assist in creating a virtual training environment using realistic data and making that it available to the P&E system software toolsets and applications. These devices will support the 35M and 35P institutional courses and be integrated within the appropriate blocks of instruction. 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). The primary system TADSS for P&E will be the TSA, the system training device component of the IEWTPT program concept.

##### **6.1.1.3.1 Training Aids**

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

##### **6.1.1.3.2 Training Devices**

The TSA, aligned with the IEWTPT requirement, will be the primary P&E systems training device. It will include both the SIGINT and HUMINT capabilities of the P&E system and will support both stand-alone (embedded training [ET]) and networked training. The TSA will interface with the IEWTPT TCC developed by PM IEWTPT, PEO-STRI. In support of institutional training, the P&E TSA capability will create the virtual data environment to depict a realistic, relevant, and operationally focused Multi-INT scenario for practical exercises and a CAPSTONE event. It will enable system training within the classroom (or in an exercise area) that includes Decisive Action Threat Environment (DATE)

scenarios and vignettes. It will include the ability to generate the exercise data and information that represents P&E "real-world" operational data/information and associated sensor/collection characteristics. It will simulate the system interface(s), record and play back scenarios, and provide an AAR capability. The P&E TSA will leverage previous and existing TSA development within the overarching IEWTPT program. The P&E PM is responsible for the development and fielding of the P&E TSA capability.

#### **6.1.1.3.3 Simulators**

Not Applicable

#### **6.1.1.3.4 Simulations**

The P&E TSA, and the IEWTPT TCC will support requirements to train system critical tasks within the ITE for institutional training, using simulations. USAICoE provides requirements to the IEWTPT program to develop and refine training simulation capabilities and tools (e.g. SIGINT Exercise Control [EXCON], Near-Time Notional Gateway [NTNG], HCC, etc.) within the TCC. The P&E PM will develop simulations to support specific P&E sensors and capability, which will be include within the P&E TSA and will interface with the overall IEWTPT system capability and the JLCCTC. Specifically, this capability will be High Level Architecture (HLA) and Distributive Interactive Simulation (DIS) compliant per AR 5-1.

#### **6.1.1.3.5 Instrumentation**

USAICoE and GAFB will use existing (or future) instrumentation to support P&E training at Fort Huachuca (as available). Further analysis will determine specific products to meet the learning environment interactive and engaging solution to enable instructors, trainers and leaders to enhance their instructional methods.

#### **6.1.1.4 Training Facilities and Land**

GAFB will utilize existing training facilities and land to conduct P&E training at the 35P course.

USAICoE will utilize existing training facilities and land to conduct P&E training at the 35M and 35T 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**

SCI Maintenance training facilities will use existing maintenance bays that can accommodate two complete P&E vehicles (1 SIGINT, 1 Multi-INT) and two classrooms that can accommodate eight students and one instructor.

- One P&E Maintenance trainer (clamshell)
- SCI Lab facility capable of training SIGINT receiver equipment on work benches utilizing commercial power
- An IETM will support maintenance training and maintenance diagnostics in the P&E system

HUMINT and SIGINT classes will require at a minimum two classrooms each to accommodate the student-to-instructor ratio based on method of Instruction IAW 350-70.

Classroom space at GAFB is required to support 18 workstations and the associated server composing the PTS.

#### **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. Vehicles will be stored on the back pad of Rowe Hall as part of the SCIF area and laptops stored inside Rowe Hall. Spare parts for P&E systems will be ordered through the Army Standard Supply System.

On-site Contractual Logistical Support (CLS) will provide depot-level support and maintenance support at GAFB. PM P&E does not fund CLS activities since there will not be a P&E specific hardware, software, and systems in this domain.

#### **6.1.1.4.6 Mission Command Training Centers (MCTC)**

USAICoE Simulations Center within Rowe Hall supports SIGINT and HUMINT training using the TCC and the HCC integrated into the IEWTPT. The capabilities include the SIGINT EXCON and the NTNG, which create the virtual SIGINT and HUMINT data environment and virtual toolsets (available via JWICS) to train analytical specific tasks associated with P&E. When P&E TSA is integrated, P&E specific collection tasks will be trained within MOS specific POIs to support P&E operator training.

#### **6.1.1.5 Training Services**

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

##### **6.1.1.5.1 Management Support Services**

Training management support is resourced by the PM and managed by USAICoE TNGDEVs.

##### **6.1.1.5.2 Acquisition Support Services**

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

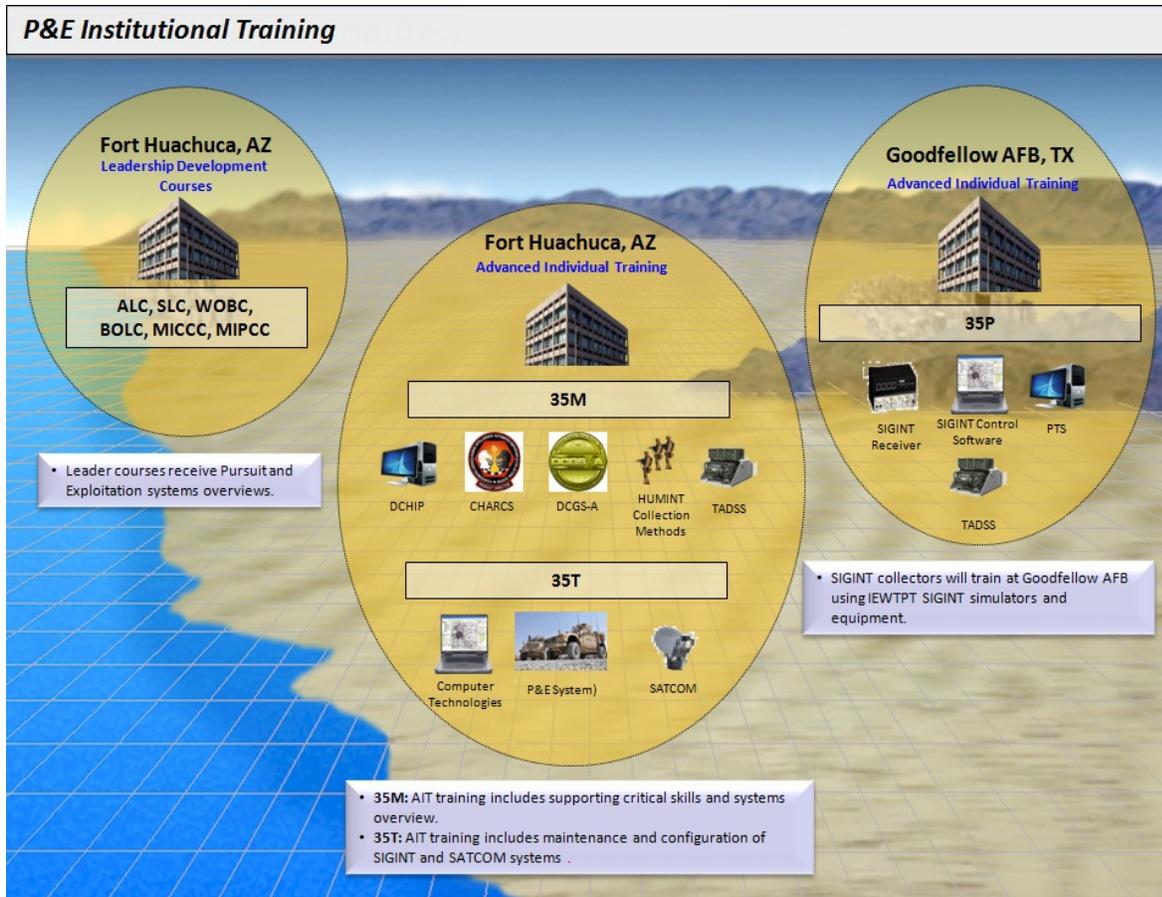
##### **6.1.1.5.3 General Support Services**

PM P&E will provide overall Life-cycle support for the P&E 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 P&E, 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)**



### 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 P&E requirements for and manage the training curricula and associated training devices with the support of the PM and PEO-STRI.

#### 6.1.3.1.1 Strategic Planning

P&E institutional training ensures Soldiers are trained to employ each P&E platform throughout the force.

The following force design and training concepts must be applied to future P&E training capabilities:

- 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
- The Pursuit and Exploitation CONOP draft version 3.3, 14 Sep 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 P&E:

- 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, 20 Jan 2011
- TRADOC Pamphlet 350-70-2, Multimedia Courseware Development Guide, 26 Jun 2003
- 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 P&E:

- P&E CPD draft version 2, 3 Jun 2013
- The P&E CONOP draft version 3.3, 14 Sep 2012

#### **6.1.3.1.6 Synchronization**

P&E training development requirements will synchronize with the DCGS-A, Prophet, CHARCS, Biometrics, and Forensics training requirements. NSTID will coordinate with other institutional training centers (e.g. MCoE), CTCs, and previously fielded units to develop TTPs for tactical maneuver commanders to leverage P&E 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 P&E training and training support products and the P&E PM 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**

The NSTID P&E Web Site will host a digital library with up-to-date technical manuals and quick reference guides. The site contains a listing of all CECOM local area representatives, as well NSTID Points of Contacts (POC) for providing 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 PM.



TADSS	Yrs	0	0	0	0	0	0
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NOTE: not required until FY20

## 7.0 Operational Training Domain

The initial training for units receiving P&E system is NET/DTT or DET/DTT. PM will fund, develop, and in conjunction with NSTID, deliver NET/DTT training.

P&E and P&E 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, JWICS, or NSANET in accordance with their access level. P&E 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.

Specific MFT operations training will be conducted separately by the unit IAW ATP 2-19.5 and other regulations identified in 7.1.1.2.3 below.

## 7.1 Operational Training Concept and Strategy

### **NET/DET/DTT:**

Every unit, upon receipt of the P&E system, will receive a NET/DTT, or DET/DTT, and all TSP materials to support maintenance and sustainment training. The PM will provide the TSP in approved TRADOC and DoD formats. NSTID will teach DTT in conjunction with NET throughout the duration of the training. DTT will focus on system configuration, sensor management, and communication links, tasking, reporting and integration into unit operations. Procedures and training will be developed or modified to focus on operational effects achieved through employment and use of P&E capabilities. Training will foster leader awareness on the synchronization of P&E collection with the maneuver elements commander's scheme of maneuver and operations.

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

Units will use the PM developed TSA for P&E to support individual and crew training within the larger constructive training environment. The TSA will replicate the complex signal environment using simulation to support collection and analysis of critical task.

**Sustainment:**

IEWTPT sites will be given a PTS, consisting of four (4) workstations, to support training at fielded units. The PTS will simulate P&E SIGINT capabilities and tools to allow Soldiers to maintain proficiency on the P&E SIGINT system. The unit will use the developed P&E IMI, Leaders Training IMI, TSP, TSA and PTS for sustainment training. PTS provides sustainment training of individual critical tasks, as well as collective critical tasks.

Operational units will train, track, and maintain a comprehensive training program to ensure Soldiers arriving at the unit, without previous training on the P&E 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 P&E support website. TSPs will include complete lesson plans and practical exercises used at NET as well as Quick Reference Guides (QRGs), GTAs, and IMIs. Commanders should also seek to take advantage of Tactical HUMINT, SIGINT, and DOMEK related training available through Foundry.

### **7.1.1 Product Lines**

The P&E 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 P&E training information infrastructure will conform to both joint and Army architectures and standards (i.e. CTIA, ATIA, LVC-IA, 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 the Global Information Grid (GIG). Specific equipment and network requirements are documented in paragraph 6.1.1.1.1.

#### **7.1.1.1.2 Storage, Retrieval, and Delivery**

Digital training support products will be available via Army dL, TRADOC-approved training databases, IKN, and IKN-S.

#### **7.1.1.1.3 Management Capabilities**

P&E 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 P&E training materials (including DTT) are made available in knowledge centers on appropriately classified networks. PM will provide updated training materials to USAICoE, NSTID and fielded units at each system increment. PM 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 P&E NET TSP.

##### **7.1.1.2.1 Courseware**

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

PM will provide all system courseware materials to include a PM-provided P&E IMI and Leader's Training IMI to fielded units. The PM and NSTID will perform task analysis and individual and collective task development will be performed using the currently approved TRADOC database. NSTID will validate and verify courseware, including all tasks required to employ the system effectively, prior to and during NET/DTT. The P&E TSP will be used during NET/DTT and unit sustainment to train Soldiers on site-selection, direction-finding theory, operation, and maintenance of P&E systems.

PM, NSTID, and TCM will develop and refine P&E 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**

P&E NET/DTT teams will train fielded units. The PM will provide course TSP and the latest version of IMI to each unit during system fielding. PM 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.

#### **7.1.1.2.3 Training Publications**

CDI will review or revise the following as changes to P&E 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

PM will review or revise the following as changes to P&E capabilities occur:

- P&E IETM
- P&E IMI
- Leader's Training IMI

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

#### **7.1.1.2.4 TSP**

PM and the NET Team will use the TRADOC-approved NET TSP to deliver NET/DET 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 P&E 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 PM will develop the TSP and NSTID will validate and approve it. The TSPs will be updated by the PM concurrently with systems and be available and maintained for each version of system fielded.

#### **7.1.1.3 TADSS**

Units receiving P&E will use TADSS developed for NET to sustain the critical individual and collective tasks required to accomplish their mission. The PM will ensure the development, implementation, and currency of the P&E TSA. Working with the IEWTPT program office and PEO-STRI, TSA development will capitalize on existing training simulations capabilities to ensure maximum re-use of existing SIGINT training solutions.

##### **7.1.1.3.1 Training Aids**

PM will resource training aids required for NET and unit sustainment training to include IETMs, student handouts, job aids, GTA, as well as the P&E system. All training aids are part of the TSP.

##### **7.1.1.3.2 Training Devices**

PM will develop the P&E TSA 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 using simulation to support collection and analysis critical tasks training and MI Soldier readiness. The PM 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. P&E software and operational systems (as available) will be used to train in concert with the simulation environment.

### **7.1.1.3.3 Simulators**

PM will provide a P&E TSA to be the simulations interface through IEWTPT to the Army family of combined arms simulations. The P&E TSA and the IEWTPT TCC will support simulation requirements to train system critical tasks within the operational training environment. PM will work with PM IEWTPT to ensure appropriate development of signal sets and frequency spectrum simulations to support P&E collection requirements. This will include all signals the P&E is capable of collecting in the operational environment. The P&E TSA will use these simulations to present data to for individual and collective training.

### **7.1.1.3.4 Simulations**

The P&E TSA will connect to IEWTPT and provide operators with data from realistic scenarios for training. PM will leverage existing sensors and activity models to replicate P&E in the virtual battle-space of the JLCCTC federation of simulations.

### **7.1.1.3.5 Instrumentation**

USAICoE, PEO STRI, and PM will assess training instrumentation requirements during system development.

Existing CTC instrumentation will augment and assist in monitoring and evaluating SIGINT and HUMINT operations/support. TSA will provide a measurable SIGINT and HUMINT environment for NET/DTT.

### **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 and other P&E 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 P&E. The fielded unit will also provide classrooms for NET/DTT with coordination of the PM 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**

PM will resource modeling of P&E capabilities in the constructive simulation for collective training at CTCs. CTCs will be able to stimulate P&E 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)**

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

#### **7.1.1.5 Training Services**

PM will support all P&E training capabilities to include updates and sustainment through the end of the program lifecycle.

##### **7.1.1.5.1 Management Support Services**

PM 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 PM.

### **7.1.1.5.2 Acquisition Support Services**

PM, PEO-STRI, and USAICoE will provide acquisition support. PM will maintain and upgrade all system-specific TADSS when fielding product improvements. PM will develop the CLS Management Decision Package (MDEP), commonly referred to as World-wide Contractor Logistics Support (WCLS), required for TADSS use at home station.

### **7.1.1.5.3 General Support Services**

- PM 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.
- PM is responsible to provide funding to PEO-STRI and CECOM to support maintenance and software.

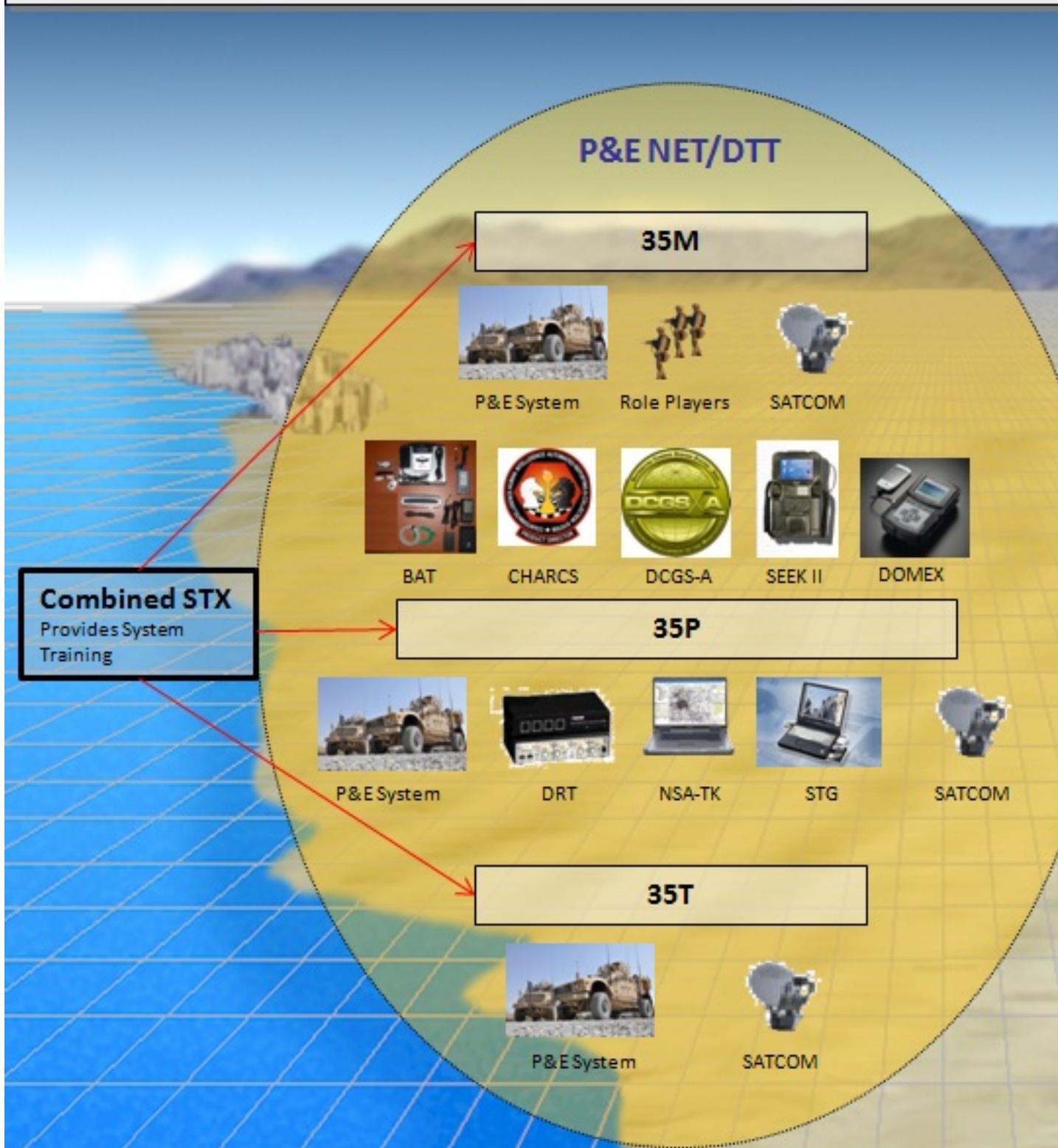
## **7.1.2 Architectures and Standards Component**

### **7.1.2.1 Operational View (OV)**

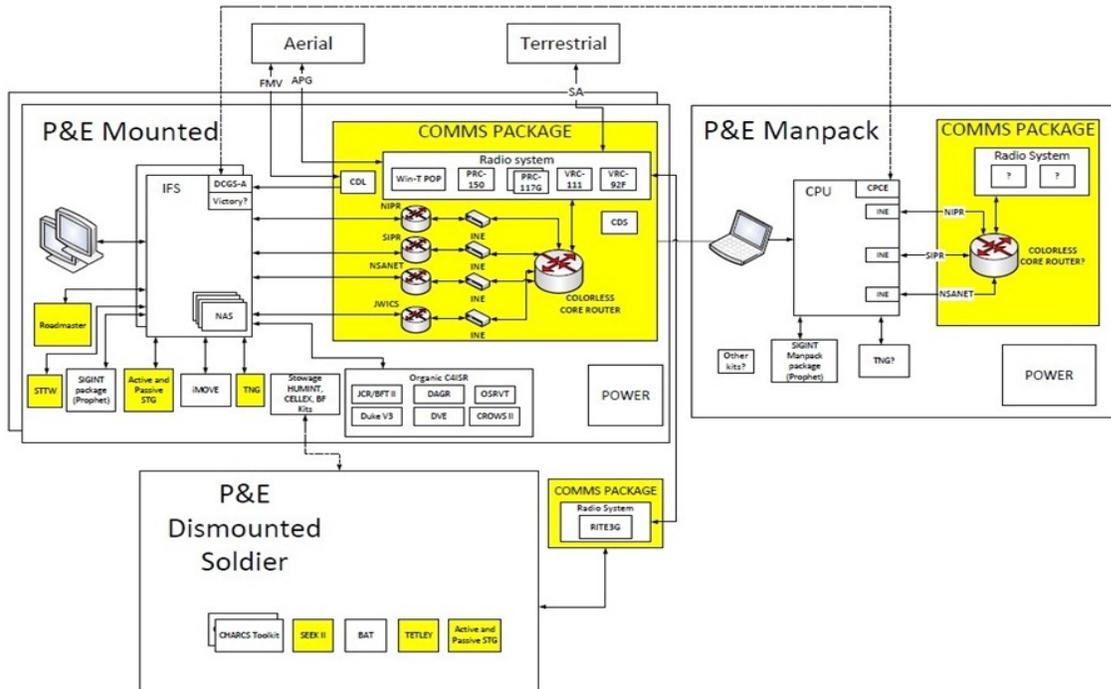
### **7.1.2.2 Systems View (SV)**

Operational P&E training will use the fielded system in a mission configuration and the P&E TSA 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 P&E TSA. 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 will support MOS and technical sustainment training as necessary.

# P&E Operational Training



- Comprehensive NET/DTT training is conducted using fielded systems to train operators and maintainers.
- TADSS will be used to support NET/DTT.



### 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
- The Pursuit and Exploitation CONOP draft version 3.3, 14 Sep 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 P&E:

- 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
- 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, 20 Jan 2011
- TRADOC Pamphlet 350-70-2, Multimedia Courseware Development Guide, 26 Jun 2003
- 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
- USSID SP0001, SIGINT Operating Policy
- USSID SP0003, Cryptologic Security Procedures
- USSID SP0018, Legal Compliance and Minimization Procedures
- USSID CR1251, 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 P&E:

- P&E CPD draft version 2, 3 Jun 2013
- The P&E CONOP draft version 3.3, 14 Sep 2012

#### **7.1.3.1.6 Synchronization**

P&E training development requirements will synchronize with the DCGS-A, Prophet, CHARCS, Biometrics, and Forensics training requirements. NSTID will coordinate with other institutional training centers (e.g. MCoE), CTCs, and previously fielded units to develop TTPs for tactical maneuver commanders to leverage P&E 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 P&E 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 the unit 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 validate NET/DTT at fielded units. A NSTID representative monitors NET/DTT, conducts AARs, and recommends changes to the training materials as required. NETT 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 PM. The NSTID maintained Web Site would 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 P&E 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.

- NSTID will provide Lessons Learned/AAR comments to the field.





	Prior	FY13	FY14	FY15	FY16	FY17	FY18
	Yrs or \$K						
Contractor	0	0	11 Yrs				
Enlisted	0	0	24 Yrs				
Warrant	0	0	1 Yr				
Officer	0	0	1.5 Yrs				
Civ Pay	0	0	0.5 Yrs				
Trvl/Per Diem (PM funded)	0	0	0	0	0	\$1,152K	\$1,152K

## **8.0 Self-Development Training Domain**

Unit sustainment training is enhanced with the use of a P&E IMI, and Leader's Training IMI, conducted at home-station and facilitated with P&E's Multi-INT components and TSP; made available on appropriate access domains IAW their classification level.

### **8.1 Self-Development Training Concept and Strategy**

Self-Development training will be conducted at home-station and facilitated with P&E and P&E subcomponent IETMs, TMs, TSPs, IMIs, and PTS developed to support institutional and sustainment training will be made available as dL for operational users with appropriate classification access. These products will be posted on NIPRNET, SIPRNET, JWICS, or NSANET IAW their classification level. P&E 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.

Unit training devices located at any COMP 1, 2 or 3 unit also allow operational units to train on specific system critical tasks prior to operational deployment. Units will provide in-depth MFT collective training based on Doctrine, unit Standard Operating Procedures (SOP), and TTPs.

#### **8.1.1 Product Lines**

The P&E 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 P&E 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**

Soldiers will access training support information and training exercise content using operational equipment, associated sub-system components, supporting systems, and the Global Information Grid (GIG).

#### **8.1.1.1.2 Storage, Retrieval, and Delivery**

Digital training support products will be available via Army dL, TRADOC-approved training databases, IKN, and IKN-S.

#### **8.1.1.1.3 Management Capabilities**

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

#### **8.1.1.1.4 Other Enabling Capabilities**

Units should seek to leverage the Army Foundry Intelligence Training Program IAW AR 350-32 to sustain and enhance Soldier Multi-INT skills.

#### **8.1.1.2 Training Products**

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

Units will incorporate content from the P&E NET TSP into their formal OJT sustainment program.

##### **8.1.1.2.1 Courseware**

Units will develop formal, role-specific sustainment programs from the P&E TSP and modify as necessary in order to ensure Soldiers are trained to satisfy the commander's requirements. The P&E TSP will be used during unit sustainment to train Soldiers on site-selection, direction-finding theory, operation, and maintenance of P&E systems.

The PM will provide all system courseware materials, to include a PM-provided P&E IMI and Leader's Training IMI, during NET/DET. PM, NSTID, and TCM will develop and refine P&E IMI for SIGINT, HUMINT and maintainer tasks and a Leader's Training IMI to train leaders on employment and capabilities of the P&E. These IMIs will be included in the stay-behind TSP and available on the NSTID web portals to support training.

#### **8.1.1.2.2 Courses**

Foundry training opportunities support advanced Soldier capabilities through local, and LET courses. The unit's mission may dictate further training or course requirements.

#### **8.1.1.2.3 Training Publications**

CDI will review or revise the following as changes to P&E 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

PM will review or revise the following as changes to P&E capabilities occur:

- P&E IETM
- P&E 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)**

Commanders will use elements of the NET TSP for unit sustainment training on individual critical tasks.

The TSP will include IMIs supportive of the P&E 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)**

Units receiving P&E will use TADSS developed for NET and institutional training to sustain the critical individual and collective tasks required to accomplish their mission. The PM will ensure the development, implementation, and currency of the P&E TSA. Working with the IEWTPT program office and PEO-STRI, TSA development will capitalize on existing training simulations capabilities to ensure maximum re-use of existing SIGINT training solutions. For a full description of P&E TADSS, see paragraph 6.1.1.3 - TADSS and supporting sub-paragraphs.

#### **8.1.1.3.1 Training Aids**

PM will resource training aids required for self-development training to include IETMs, student handouts, job aids, as well as the P&E system. All training aids are part of the TSP. IKN will provide additional access to these products.

#### **8.1.1.3.2 Training Devices**

PM will develop, in conjunction with PEO-STRI, Training Devices to support individual tasks.

#### **8.1.1.3.3 Simulators**

PM will provide a P&E TSA to be the simulations interface through IEWTPT to the Army family of combined arms simulations. The P&E TSA and the IEWTPT TCC will support simulation requirements to train system critical tasks within the operational training environment. PM will work with PM IEWTPT to ensure appropriate development of signal sets and frequency spectrum simulations to support P&E collection requirements. This will include all signals the P&E is capable of collecting in the operational environment.

The P&E TSA will use these simulations to present data to for individual and collective training.

#### **8.1.1.3.4 Simulations**

The P&E TSA will connect to IEWTPT and provide operators with data from realistic scenarios for training. PM will leverage existing sensors and activity models to replicate P&E in the virtual battle-space of the JLCCTC federation of simulations.

#### **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**

PM will support all P&E training capabilities to include updates and sustainment through the end of the program lifecycle.

##### **8.1.1.5.1 Management Support Services**

PM will coordinate sustainment-training access to the information, courseware, requirements, devices, and communication technology management services necessary to conduct robust unit sustainment training.

#### **8.1.1.5.2 Acquisition Support Services**

PM, PEO-STRI, and NSTID will provide acquisition support. PM will maintain and upgrade all system-specific TADSS when fielding product improvements. PM will develop the CLS MDEP, commonly referred to as WCLS, required for TADSS use at home station.

#### **8.1.1.5.3 General Support Services**

- PM 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-STRI will also provide development and support for HUMINT and SIGINT simulators.
- PEO-IEWS is responsible for providing funding to P&E PM and CECOM to support maintenance and software.

### **8.1.2 Architectures and Standards Component**

#### **8.1.2.1 Operational View (OV)**

P&E self-development training will consist of dL products developed for the operational domain. Any authorized Soldier will access training products posted at NSTID from NIPRNET, SIPR, NSANET, or JWICS workstations within their unit network.

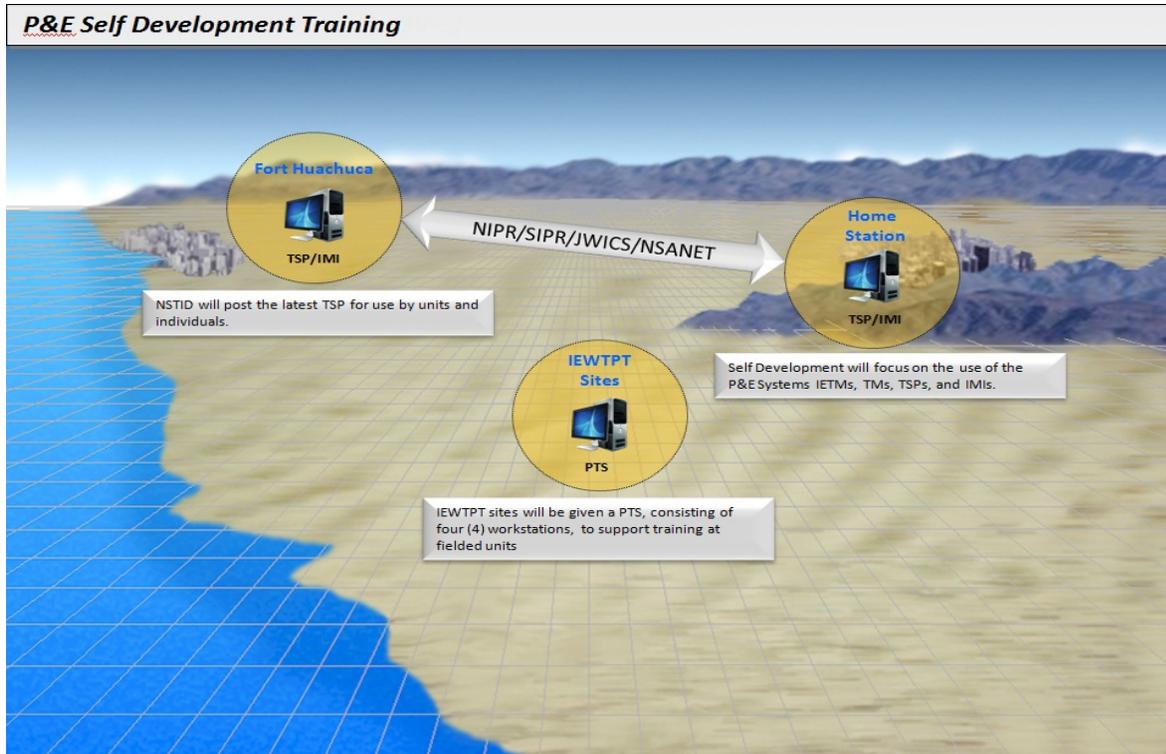
#### **8.1.2.2 Systems View (SV)**

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
- The P&E CONOP draft version 3.3, 14 Sep 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 P&E:

- 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
- 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, 20 Jan 2011
- TRADOC Pamphlet 350-70-2, Multimedia Courseware Development Guide, 26 Jun 2003
- 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
- USSID SP0001, SIGINT Operating Policy
- USSID SP0003, Cryptologic Security Procedures
- USSID SP0018, Legal Compliance and Minimization Procedures
- USSID CR1251, 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

#### **8.1.3.1.5 Requirements Generation**

The following documents provide the requirements for P&E:

- P&E CPD draft version 2, 3 Jun 2013
- The P&E CONOP draft version 3.3, 14 Sep 2012

#### **8.1.3.1.6 Synchronization**

P&E training development requirements will synchronize with the DCGS-A, Prophet, CHARCS, Biometrics, and Forensics training requirements. NSTID will coordinate with other institutional training centers (e.g. MCoE), CTCs, 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**

USAICoE will manage all evaluations of P&E training and training support products and the PM will fund any associated travel requirements

#### **8.1.3.2.1 Quality Assurance (QA)**

When applicable, QAO will amend existing institutional surveys. The dL/IMI developer will provide QAO with the relevant dL questions to garner feedback on self-development training. Feedback will assist USAICoE in correcting self-Development training deficiencies, and will provide information that may affect the next generation of equipment or product improvement.

#### **8.1.3.2.2 Assessments**

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

#### **8.1.3.2.3 Customer Feedback**

Customer feedback plays an important role in improving training development and future training. The P&E 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 P&E 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

## 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 2013/09/27 - 2013/10/07	Document Accepted As Written			0	0	0	0	0	0	-
v0.2.1 Approvals - James A Callahan 2013/09/27 - 2013/10/07	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - USASOC 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - USAREUR 2013/09/09 - 2013/09/23	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - USARC G7 (US Army Reserve Cmd) 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - USAMA 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - USAACE - Aviation School 2013/09/09 - 2013/09/23	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - US Joint Forces Command Net-C2 2013/09/09 -	No Comments Submitted			0	0	0	0	0	0	-

2013/09/23										
v0.2 Army - TRADOC_ARCIC 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TRADOC G-3/5 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TRADOC Command Safety Office 2013/09/09 - 2013/09/23	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - TCM-Virtual (CS/CSS) 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TCM-SBCT 2013/09/09 - 2013/09/23	0	1	0	0	0	0	0	1	0	
v0.2 Army - TCM-Live 2013/09/09 - 2013/09/23	0	1	1	0	0	0	0	1	1	
v0.2 Army - TCM-Gaming 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TCM-ABCT 2013/09/09 - 2013/09/23	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TCM-TADLP 2013/09/09 - 2013/09/23	3	0	0	3	0	0	0	0	0	



v0.2 Army - PM PROPHET 2013/09/09 - 2013/09/23	No Comments Submitted	0	0	0	0	0	0	0	-
v0.2 Army - PM Fixed Wing 2013/09/09 - 2013/09/23	No Comments Submitted	0	0	0	0	0	0	0	-
v0.2 Army - PM DCGS-A 2013/09/09 - 2013/09/23	No Comments Submitted	0	0	0	0	0	0	0	-
v0.2 Army - PM Air Warrior 2013/09/09 - 2013/09/23	No Comments Submitted	0	0	0	0	0	0	0	-
v0.2 Army - PEO- STRI Customer Support Group 2013/09/09 - 2013/09/23	Document Accepted As Written	0	0	0	0	0	0	0	-
v0.2 Army - PEO Missiles and Space (IAMD) 2013/09/09 - 2013/09/23	No Comments Submitted	0	0	0	0	0	0	0	-
v0.2 Army - PEO Aviation 2013/09/09 - 2013/09/23	0	1	1	0	0	1	0	1	0
v0.2 Army - MCoE - MANSCEN 2013/09/09 - 2013/09/23	Document Accepted As Written	0	0	0	0	0	0	0	-
v0.2 Army - MCoE - Infantry&Armor School 2013/09/09 -	Document Accepted As Written	0	0	0	0	0	0	0	-





v0.2 Army - Army Material Command (AMC), G3 2013/09/09 - 2013/09/23	No Comments Submitted	0	0	0	0	0	0	0	-
v0.2 Army - AMEDD Center&School 2013/09/09 - 2013/09/23	Document Accepted As Written	0	0	0	0	0	0	0	-
v0.1 Peer - MSCoE - MANSCEN 2013/08/21 - 2013/09/04	0	1	0	0	0	0	0	1	0
v0.1 Peer - FCoE- ADA School 2013/08/21 - 2013/09/04	Document Accepted As Written	0	0	0	0	0	0	0	-
v0.1 Peer - FCoE - Field Artillery 2013/08/21 - 2013/09/04	Document Accepted As Written	0	0	0	0	0	0	0	-

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