Persistent Surveillance System - Tethered (PSS-T)

(version 2.0)

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ICoE - Mil Intelligence School

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Table Of Contents

1.0 System Description

2.0 Target Audience

3.0 Assumptions

4.0 Training Constraints

5.0 System Training Concept

5.1 New Equipment Training Concept (NET)

5.2 Displaced Equipment Training (DET)

5.3 Doctrine and Tactics Training (DTT)

5.4 Training Test Support Package (TTSP)

6.0 Institutional Training Domain

6.1 Institutional Training Concept and Strategy

7.0 Operational Training Domain

7.1 Operational Training Concept and Strategy

8.0 Self-Development Training Domain

8.1 Self-Development Training Concept and Strategy

A Milestone Annex

B References

C Coordination Annex

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

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1.0 System Description

Description

The Persistent Surveillance System-Tethered (PSS-T) is a Government Owned Contractor Operated (GOCO) program, located on two fixed sites at Yuma Proving Grounds and National Training Center (YPG/NTC) with two systems per fixed site allocated for Training, Testing, and Experimentation (TTE). When the military identifies a unit for deployment it receives operational control of a PSS-T system and a supporting contracted operator team. The PSS-T provides an all weather, day/night, 360-degree detection, surveillance, and target marking capability. It has the ability to maintain persistent surveillance activity in its area of operation for periods exceeding 20 consecutive days. It is capable of receiving target coordinates from Command and Control (C2)/Fire Control Centers (FCCs) so its sensors cue to the target and maintains surveillance. PSS-T is capable of detecting hostile fire, providing target coordinates to appropriate C2/FCCs, and marking (illuminating) ground targets for rapid reaction forces to engage. PSS-T can also provide communications relay and other capabilities, based on the payloads installed, such as Single Channel Ground and Airborne Radio System (SINCGARS). The system sustains a maximum lift of 2000 feet above ground level at a maximum of 6500 feet above sea level at 59 degrees Fahrenheit, 29.92 inches of mercury (in. Hg) barometric pressure, calm winds and payload dependent.

Components

The PSS-T airframe/platform consist of, but are not limited to, a tethered aerostat, an inertial navigation system, Global Positioning System (GPS) sensors,

2.0 Target Audience

The target audience is Contracted Operators, Officers, Warrant Officers, and Senior Non-Commissioned Officers. The Contracted Operators will operate the PSS-T during training, testing, experimentation and deployment. The Officer, Warrant Officer, and Senior Non-Commissioned Officers will receive an initial overview of the system during Professional Military Education (PME) courses. An operational capabilities brief will familiarize unit leadership on the mission capabilities of the PSS-T.

All Officer, Warrant Officer and Senior NCOs are branch immaterial positions. The reinforcement of the unique characteristics and features of the PSS-T occurs during career development courses. Existing system overview training in these courses will include, but is not limited to, PSS-T capabilities and/or limitations, employment/displacement and Doctrine and Tactics Training (DTT) of the PSS-T.

TARGET AUDIENCE					
MOS/ASI/AOC	**Proponent Center of Excellence (CoE)**				
Initial Military Training					
N/A					
Professional Military Training					

Career Management Field (CMF) Senior Non-Commissioned Officers (SR NCOs)	Proponent Senior Leadership Course (SLC)				
Warrant Officers	Proponent Warrant officer Basic Course (WOBC)	Proponent Warrant Officer Advanced Course (WOAC)			
Officers	Proponent Basic officer Leadership Course (BOLC)	Proponent Captains Career Course (CCC)	Proponent Pre-Command Course (PCC)		
Functional Courses					
N/A					

Civilian Education					
N/A					
Other					
Contractors	Support Team Training (STT)				

Additional Information/Requirements: PSS-T is a multi CoE driven program and not specific to the United States Army Intelligence Center of Excellence (USAICoE).

3.0 Assumptions

4.0 Training Constraints

5.0 System Training Concept

PSS-T system training will include, institutional training, operational training, and self development training for Commander’s and their respective staff. PSS-T system training will also include an initial NET to Contractors after which they will be responsible for sustainment of perishable skills. PM MaTIC will provide NET training at each of the two fixed locations with Training and Doctrine Command (TRADOC)-approved TSP hosted on the TRADOC-approved data repository. USAICoE must approve the Programs of Instruction (POI) to ensure they meet regulatory and doctrinal guidance; USAICoE retains full authority for approving the content and design of the manager, maintainer, and payload operator TSP. New Systems Training and Integration Directorate (NSTID) will conduct Verification and Validation (V&V) on all Training Support Packages (TSPs) of PSS-T systems.

5.1 New Equipment Training Concept (NET)

PM MaTIC develops and resources the NET Plan (NETP) to train Contracted Operators in the skills and knowledge necessary to deploy, operate and re-deploy the PSS-T. NET concentrates on the operator level individual tasks; and will expose Contracted Operators to mission oriented analysis task training. PM MaTIC will provide a NET TSP consisting of, at a minimum, the NET POI, LPs, Evaluations, IETM, SUM, SUG and Training Schedules. NSTID shall perform V&V of the NET materials. PM MaTIC will conduct NET at each of the two fixed sites upon receipt of initial PSS-T system.

The NET will use the TSP to train Contracted Operators assigned to the system. The NET TSP will incorporate IMI Interactive Courseware (ICW) at Interactivity Level Three (see below), to include interactive LPs linked to associated technical manuals and various diagrams. At the completion of the initial NET, the training materials will remain in hard copy format and be available on the TRADOC approved repositories. The proponent CoE maintains data repositories to support individual/unit sustainment training programs. NSTID develops and incorporates DTT into the LPs for Contracted Operators and unit staff and leadership. IMI Levels are as follows:

5.2 Displaced Equipment Training (DET)

N/A

5.3 Doctrine and Tactics Training (DTT)

NSTID develops and provides DTT as a component of NET. PM MaTIC resources DTT integration into the NET POI; NSTID develops and refines the DTT per the current operational Training, Tactics and Procedures (TTP). NSTID ensures the incorporation of the DTT into the integrated capabilities brief given to unit leadership. NSTID reviews the DTT when system or doctrine modifications become relevant and updates the TSP as necessary. NSTID will disseminate all TSP modifications to fielded units and update all PSS-T data repositories.

5.4 Training Test Support Package (TTSP)

USAICoE NSTID will develop, validate, and approve the TTSP in conjunction with PM MaTIC and TRADOC Capabilities Manager for Intelligence Sensors (TCM IS). TRADOC Regulation 350-70 and the Army Learning Model TP 525-8-2 w/C1 06Jun2011 will guide development of the TSP and TTSP.

6.0 Institutional Training Domain

Institutional training consists of a capabilities brief that highlights the functions and intended use for the system. PM MaTIC provides a PSS-T specific training video at the UNCLASSIFIED//FOUO and SECRET levels for use in the capabilities brief. Institutional training is limited to senior leaders responsible for resourcing or fielding the system, standard across the CoEs, and is not branch specific. Institutional training also introduces leaders to the TEK.

6.1 Institutional Training Concept and Strategy

Institutional training will consist of an integrated capabilities brief given by proponent CoE as an update to applicable leader's course(s). Recommended courses include: SLC, BOLC, CCC, PCC, WOAC, and WOBC. The integrated capabilities brief consists of descriptions of the two models of aerostat equipment; capabilities and limitations of the equipment, loading of crypto, maintain site security, set-up of site, and other basic PSS-T operations, sensor footprint, altitude limitations, and weather restrictions.

Theintegrated capabilities brief

should also include the full scope of system install and set-up to include TEK, site survey, system hazards, and the Restricted Operating Zone (ROZ) requirements.

6.1.1 Product Lines

PSS-T institutional product lines will include the training equipment, courseware, training manuals, TSPs, training facilities necessary to train Soldiers and Leaders on PSS-T capabilities.

6.1.1.1 Training Information Infrastructure

PSS-T Training Information Infrastructure (TII) will exchange data, as required by the Training Support System (TSS) to implement the Integrated Training Environment (ITE); with Army Training Information Architecture-Migrated (ATIA-M); Common Training Instrumentation Architecture (CTIA); and Live, Virtual, and Constructive-Integrating Architecture (LVC-IA); and Live, Virtual, Constructive, Gaming-Integrating Training Environment (LVCG-ITE) to support the primary components of the TII.

6.1.1.1.1 Hardware, Software, and Communications Systems

TII will require use of the following hardware, software, and communications systems:

6.1.1.1.2 Storage, Retrieval, and Delivery

The Army Training Network (ATN) provides access to: The Digital Training Management System (DTMS), the Combined Arms Training Strategies (CATS), Army Training Requirements and Resource System (ATRRS), and TRADOC approved data repositiories will manage PSS-T institutional TII.

6.1.1.1.3 Management Capabilities

The DTMS, Distributed Learning System (DLS), Automated Instructional Management System - Personal Computer (AIMS-PC), and other databases as applicable, will manage PSS-T TII.

6.1.1.1.4 Other Enabling Capabilities

Other TII enabling capabilities may include but are not limited to Joint Training Information Management System (JTIMS

).

6.1.1.2 Training Products

6.1.1.2.1 Courseware

Courseware will follow current Professional Development and TRADOC Polices/Guidelines.

6.1.1.2.2 Courses

Courses will follow current Professional Development POI, Polices and Guidelines; recommended

courses to update include: SLC, BOLC, CCC, PCC, WOAC, and WOBC.

6.1.1.2.3 Training Publications

Training Publications will follow current Professional Development POI, Polices and Guidelines.

6.1.1.2.4 Training Support Package (TSP)

The TSP is the foundation for operational training and sustainment of individual and collective skills for Contracted Operators. The PM will develop the TSP IAW TR 350-70 (including ADDIE process); TP 528-8-2 w/C1 (methods); using the Training Development Capability (TDC); Training Requirements Analysis System (TRAS) (uses ADDIE outputs for PPBES input); and update the individual and collective tasks in the Digital Training Management System and the Combined Arms Training Strategies (CATS).

PSS-T TSP is exportable and integrates training products/materials necessary to train applicable individual and collective tasks. PSS-T TSP provides a structured training program that supports Contracted Operator training. The TSP is developed and placed in storage with the PSS-T system until deployment. The development of all IMI associated as part of the TSP is at IMI Level

three. The TSP, at a minimum, must provide the following materials/capabilities:

6.1.1.3 TADSS

Not Applicable

6.1.1.4 Training Facilities and Land

Not Applicable

6.1.1.5 Training Services

Not Applicable

6.1.2 Architectures and Standards Component

6.1.2.1 Operational View (OV)

6.1.2.2 Systems View (SV)

Not Applicable

6.1.2.3 Technical View (TV)

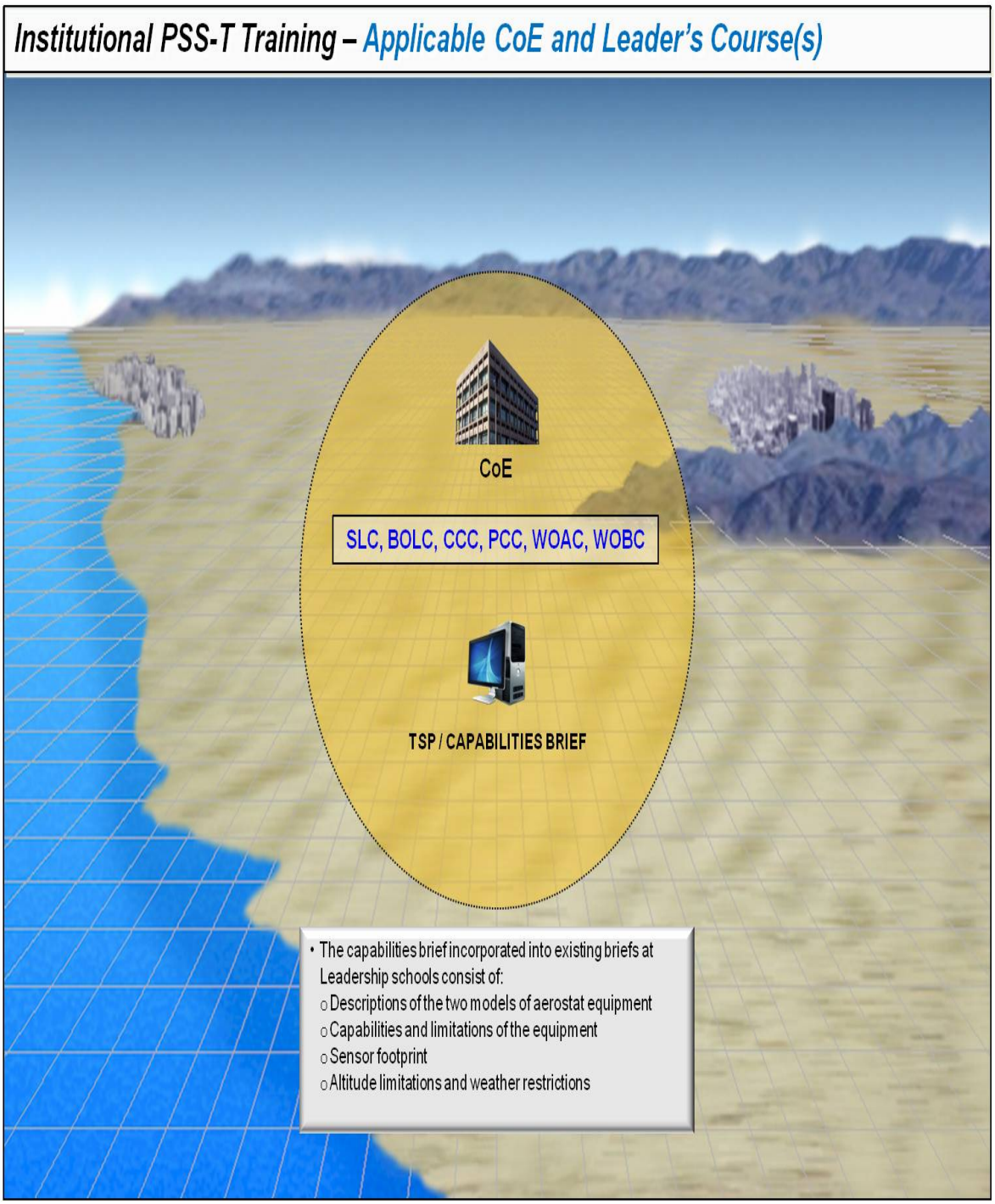
Not Applicable

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

6.1.3.1 Management

USAICoE, with the support of PM MaTIC and Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI) will develop the Tailored Mission Brief and associated training devices (where applicable).

6.1.3.1.1 Strategic Planning



USAICoE in conjunction withTraining Development and Support (TD&S),

6.1.3.1.2 Concept Development and Experimentation (CD&E)

N/A

6.1.3.1.3 Research and Studies

N/A

6.1.3.1.4 Policy and Guidance

The following Army Regulations (AR),

Army Doctrine Publication (ADP), Army Doctrine Reference Publication (ADRP), Field Manual (FM), TRADOC Regulation (TR), and Training Publications (TP) describe the implementation of the TSS for PSS-T:

6.1.3.1.5 Requirements Generation

Requirements Generation includes these actions:

6.1.3.1.6 Synchronization

USAICoE will synchronize PSS-T training development requirements with DCGS-A and other Centers of Excellence (CoE) training efforts. USAICoE will incorporate PSS-T TTPs and mission profiles into the A-ISR training strategy to maximize training opportunities and leverage existing initiatives

.

6.1.3.1.7 Joint Training Support

N/A

6.1.3.2 Evaluation

USAICoE Quality Assurance Office (QAO) will evaluate PSS-T institutional courses through established formal and informal processes to ensure efficient and effective training.

6.1.3.2.1 Quality Assurance (QA)

The USAICoE QAO provides oversight on institutional training curriculums by evaluating classroom instruction and associated training documentation and courseware.

6.1.3.2.2 Assessments

The USAICoE QAO performs assessments of all institutional courses by individual surveys, special surveys, and classroom monitoring. QAO will provide USAICoE 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

PSS-T uses customer feedback for evaluations and corrections to the PSS-T TSP. Feedback tools include:

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

USAICoE, Commanders, and PM MaTIC will use lessons learned and AAR data to support efficient and effective PSS-T operational training by observing unit and individual performance in the operational environment to identify strengths and weaknesses.

USAICoE lessons learned team and the Center for Army Lessons Learned (CALL) collect and analyze data from a variety of current and historical sources, including Army operations and training events. CALL disseminates this information and other related research materials to Soldiers through a variety of print and electronic media.

Commanders will conduct AARs after training events and deployments to collect feedback to improve operational training.

6.1.3.3 Resource

Item Resourced	Prior	FY10 Yrs or $	FY11 Yrs or $	FY12 Yrs or $	FY13 Yrs or $	FY14 Yrs or $	FY15 Yrs or $
Manpower - TD							
Contractor		1.0MY	1.0MY	1.0MY	1.0MY	1.0MY	1.0MY
Civilian		1.0MY	1.0MY	1.0MY	1.0MY	1.0MY	1.0MY
Enlisted		1.0MY	1.0MY	2.0MY	2.0MY	2.0MY	2.0MY
Warrant							
Officer		0.2MY	0.2MY	0.2MY	0.2MY	0.2MY	0.2MY
Contract/Spt		$150K	$155K	$160K	$165K	$170K	$175K
Civ Pay		$200K	$206K	$212K	$218K	$225K	$231K
Trvl/Per Diem		$31K	$42K	$46K	$50K	$55K	$61K
Other							

Rationale:

The Training Developers (TNGDEVs) need to develop and maintain the programs of instruction and other outputs of the
Analysis, Design, Development, Implementation, and Evaluation (ADDIE)

process; to include the integrated capabilities brief. Travel/Per Diem represents cost to attend training and reviews; and for one instructor/key personnel (per quarter) to conduct V&V, coordination, and evaluate training prior to operational testing.Temporary Duty (TDY)
costs for required reviews and meetings are based on four 5-day meetings per year totaling $6052 = 4 x $1,513. Cost breakdown per trip: $1,513 = [$850 travel $425 per Diem (5 days @ $85 per day) $238 rental car and fuel (5 days @ $48 per day plus fuel)].

7.0 Operational Training Domain

Initial operational training will begin when a deploying unit receives a PSS-T system and contractor team at deployment site. The contractor team responsible for deploying the PSS-T will conduct PSS-T operational training for commanders and staff. Training via capabilities brief will focus on system resources, system capabilities, and successful strategies for combating enemy TTPs. Operational training will also include on the job training (OJT) for the TEK. At the commander's discretion, field conditions, and system availability, non-MOS specific Soldiers will be required to man the TEK, if fielded with the PSS-T system.The contractor team provides Soldiers TEK operations training on a case-by-case basis

.The
TEK training enables the TOC staff to have full control of FMV sensors and provides TOC direct joystick control of FMV sensor(s). The TEK allows use of MX-20 Laser Illumination/Range Finder and use of MGRS inputs to auto slew cameras. The TEK enables the Precision Fires Manager (PFM) to receive coordinate for targeting solution to organic weapon systems. If the operational tempo does not allow for adequate training time at deployment site, then training will be provided to the commander or his representative duringReception, Staging, Onward-movement&Integration (RSOI)
in theater.

7.1 Operational Training Concept and Strategy

Operational training will consist of NET and collective training.

NET:

PSS-T NET given to Contracted Operator teams at YPG and NTC consists of role-specific POI to prepare the system and operators to deploy the system to a fielded unit and to employ PSS-T capabilities in direct support to tactical operations. At each fielding event, PM MaTIC will deliver an up-to-date NET TSP in approved TRADOC formats, sufficient to train a full complement of contracted operators to employ PSS-T in decisive action operations. The TSP includes the leave behind POIs and LPs with integrated DTT, user's manuals and references (IETMs), and TADSS/TSA eveloped for system training. The capabilities brief consists of descriptions of the two models of aerostat equipment; capabilities and limitations of the equipment, loading of crypto, maintain site security, set-up of site, and other basic PSS-T operations, sensor footprint, altitude limitations, and weather restrictions.

Thecapabilities brief
should also include the full scope of system install and set-up to include TEK, site survey, system hazards, and the ROZ per the unit commander.
YPG / NTC will run the Training Program for new Operators and will run sustainment training for seasoned Operators.

7.1.1 Product Lines

PSS-T operational product lines will include the training equipment, courseware, training manuals, TSPs, training facilities, and land necessary to train and sustain Soldiers on PSS-T capabilities and collective tasks. PSS-T operational training will leverage other training capabilities where possible to realize efficiencies for the Army.

PSS-T product lines will be in accordance with the following:

7.1.1.1 Training Information Infrastructure

The PSS-T TIIwill exchange data, as required by the TSS, with ATIA-M, CTIA, LVC-IA, and LVCG-ITE to support the primary components of the TII.

7.1.1.1.1 Hardware, Software, and Communications Systems

TII will require the use of the following hardware, software and communications:

7.1.1.1.2 Storage, Retrieval, and Delivery

PSS-T training information may be located at one or more of the following:

7.1.1.1.3 Management Capabilities

The ATN, DTMS, and other applicable database will manage PSS-T TII.

7.1.1.1.4 Other Enabling Capabilities

Other TII enabling capabilities will include IMI.

7.1.1.2 Training Products

Unit personnel will receive proficiency using PSS-T system IMI.

7.1.1.2.1 Courseware

Units will select mission-appropriate courseware materials from the NET TSP and modify as necessary to satisfy the commander's requirements. PM MaTIC enters

the TSP for PSS-T into a database under its direction. Storage of operational courseware is in hard copy with the PSS-T system. After development, all training materials become available to the unit on the appropriate network depending upon the classification or NSTID can deliver training materials to the requestor via email. PM MaTIC will develop a formal, role-specific sustainment program from the PSS-T TSP. PM MaTIC will select mission-appropriate interactive courseware and interactive multimedia instruction from the TSP and modify as necessary to satisfy the commander's requirements. PM MaTIC will provide all such modified courseware to USAICoE to update the training database or incorporate into web-based instruction.

7.1.1.2.2 Courses

N/A

7.1.1.2.3 Training Publications

The TSP, including SUMs, SUGs and IETMs, will be provided and accessible from the knowledge centers for training at units.

7.1.1.2.4 TSP

The TSP is the foundation for operational training and sustainment of individual and collective skills for Contracted Operators. The PM will develop the TSP IAW TR 350-70 (including ADDIE process); TP 528-8-2-w/C1 (methods); using the Training Development Capability (TDC); Training Requirements Analysis System (TRAS) (uses ADDIE outputs for PPBES input); and update the individual and collective tasks in the Digital Training Management System and the Combined Arms Training Strategies (CATS).

PSS-T TSP is exportable and integrates training products/materials necessary to train applicable individual and collective tasks. PSS-T TSP provides a structured training program that supports Contracted Operator training. The TSP is developed and placed in storage with the PSS-T system until deployment.

The development of all IMI associated as part of the TSP is at IMI Level three. The TSP, at a minimum, must provide the following materials/capabilities:

7.1.1.3 TADSS

The PSS-T training concept relies on Virtual and Constructive training simulations to reduce the risk and cost of training Soldiers and contractors to employ PSS-T. PM MaTIC will provide the resources to develop PSS-T TADSS according to TRADOC Regulation 350-70 dated06 December 2011

, TRADOC Pamphlet 350-70-12, The Army Distributed Learning (ADL) Guide, 6 May 2013 and TRADOC Pamphlet 350-37 Objective Force Embedded Training (OFET) Users E-functional Description dated 09 June 2003. All institutional TSPs will incorporate role-appropriate PSS-T TADSS in conformance to the specifications and standards of the ATIA Technical Standards Suite.

7.1.1.3.1 Training Aids

Training Aids will include but not be limited to the following:

7.1.1.3.2 Training Devices

PM MaTIC will

develop the PSS-T TEK TSA to support individual and collective training.

7.1.1.3.3 Simulators

PM MaTIC will provide a PSS-T TEK TSA to be the simulations interface through IEWTPT to the Army family of combined arms simulations. The PSS-T TEK TSA will provide simulated sensor data to the PSS-T payload control software as PSS-T Simulators (SIMs) become available.

7.1.1.3.4 Simulations

The

7.1.1.3.5 Instrumentation

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

7.1.1.4 Training Facilities and Land

Units will train using existing facilities and land at YPG/NTC.

7.1.1.4.1 Ranges

Live PSS-T training will require airspace for training flights and an electronic warfare range at YPG/NTC.

7.1.1.4.2 Maneuver Training Areas (MTA)

Live PSS-T training will require use of YPG/NTC to role-play supported units and targets.

7.1.1.4.3 Classrooms

Units will utilize pre-existing classrooms and briefing areas to conduct briefing.

7.1.1.4.4 CTCs

PM MaTIC will resource modeling of PSS-T system capabilities in the constructive simulation (when available) for collective training at CTCs. CTCs will be able to stimulate PSS-T payload control software interfaces with the constructive simulation via the TSA and IEWTPT.

7.1.1.4.5 Logistics Support Areas

PSS-T

operational training will not require logistics support areas beyond existing contractor facilities

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7.1.1.4.6 Battle Command Training Centers (BCTC)

Mission Training Complex (MTC) will use PSS-T capability models to present Soldiers and leaders with realistic responses to requests for support from PSS-T units before, during, and after simulated combat events. PSS-T units will participate in MTC events, using the TSA to populate PSS-T capability models in the constructive simulation.

7.1.1.5 Training Services

PM MaTIC will support all training capabilities associated with the PSS-T program throughout the systems life cycle.

7.1.1.5.1 Management Support Services

PSS-T operational training will require access to appropriate database or NET leave behind training packages.

7.1.1.5.2 Acquisition Support Services

Acquisition support is required for software/software upgrades, licensing/licensing renewals, and hardware/hardware upgrades.

In addition, acquisition support will be required for:

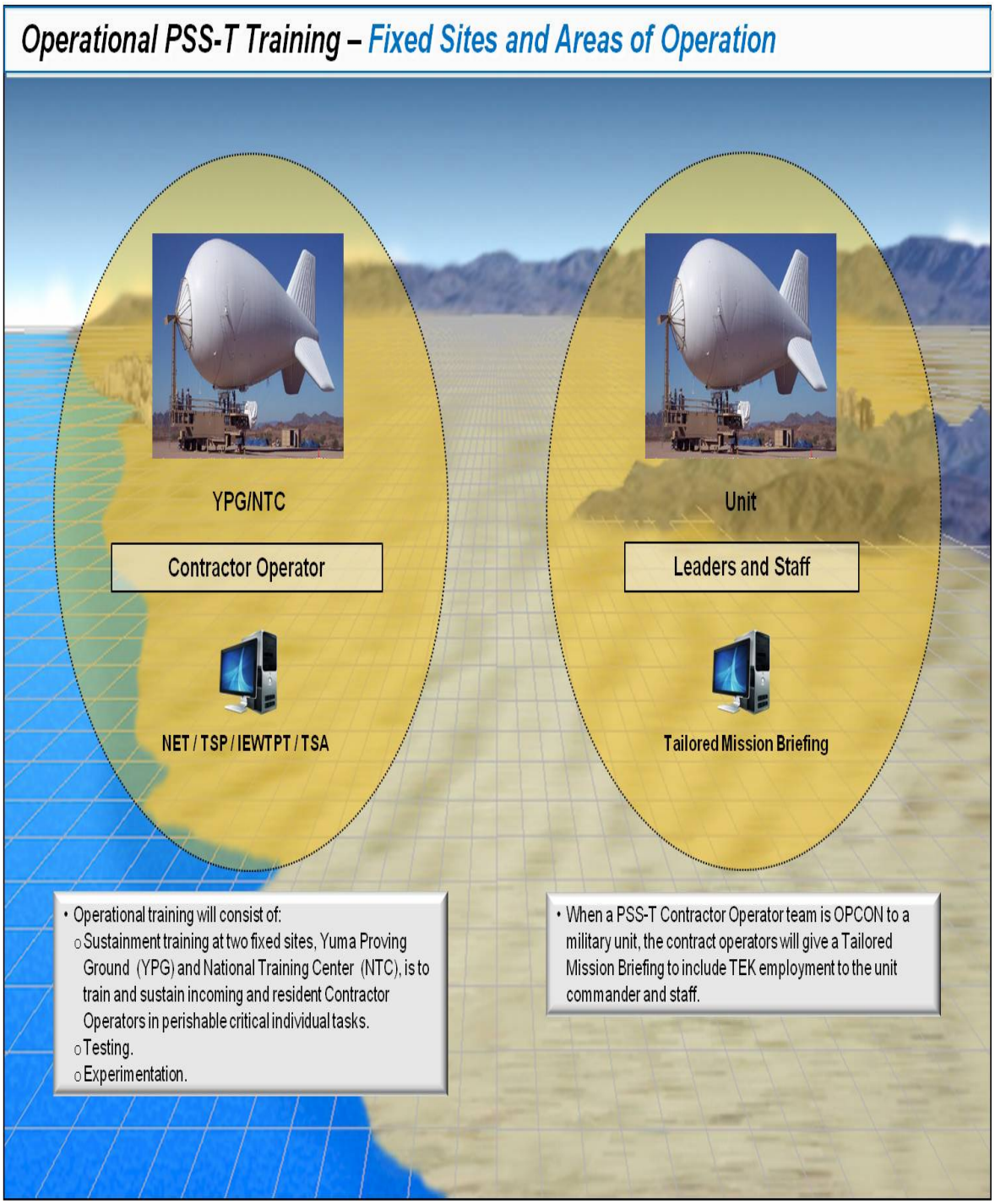
7.1.1.5.3 General Support Services

Where required these services will be resourced by PM MaTIC.

7.1.2 Architectures and Standards Component

7.1.2.1 Operational View (OV)

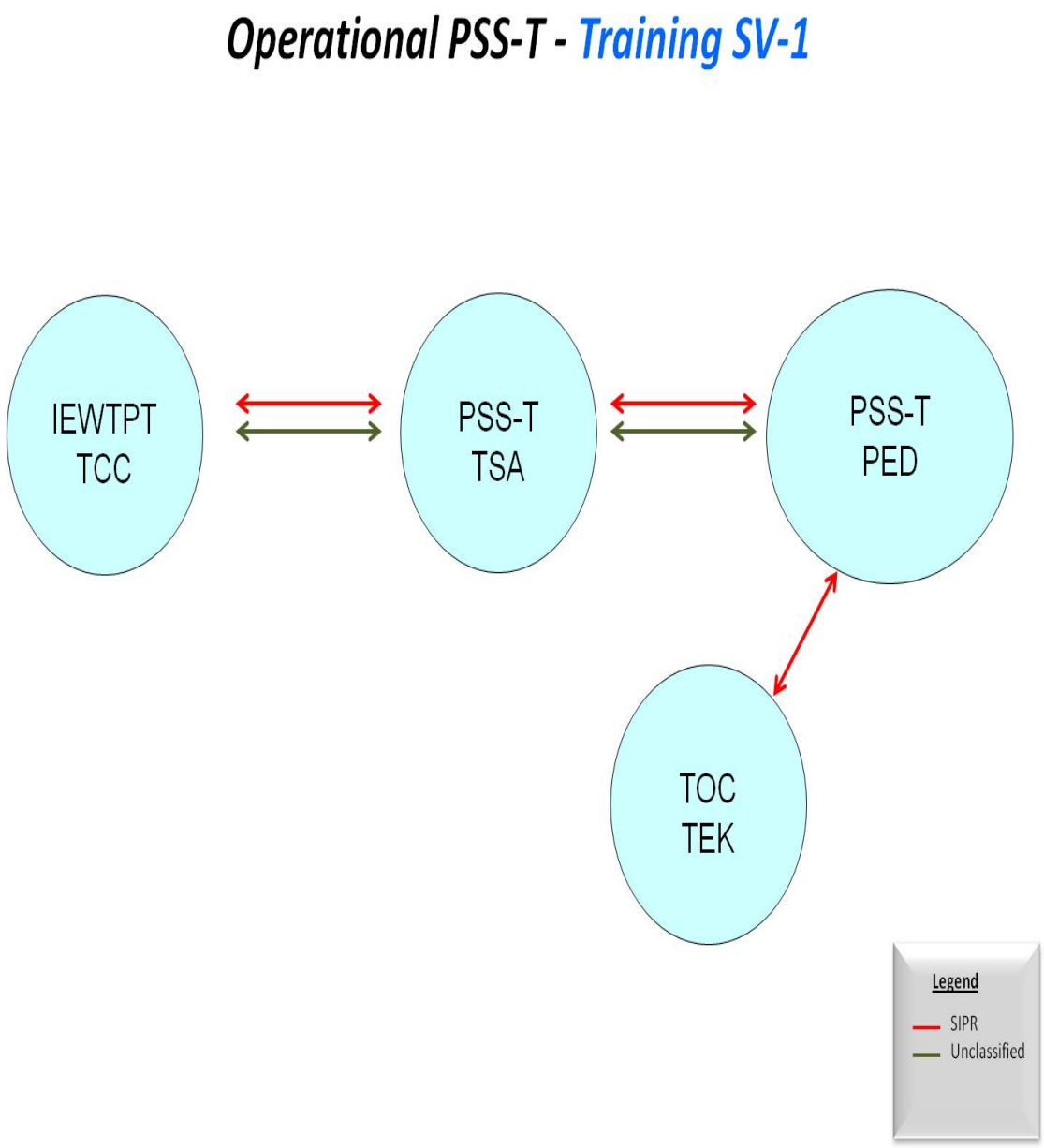
7.1.2.2 Systems View (SV)



7.1.2.3 Technical View (TV)

Not Applicable

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



7.1.3.1 Management

PM MaTIC, in coordination with USAICoE, will develop and manage the

7.1.3.1.1 Strategic Planning

PSS-T operational training supports the over-arching JDSAISR ICD requirements to ensure Soldiers are capable of exploiting intelligence from all Aerial-Intelligence Surveillance Reconnaissance (A-ISR) assets in support of ULO. PSS-T training capabilities must apply the following force design and training concepts:

7.1.3.1.2 Concept Development and Experimentation (CD&E)

7.1.3.1.3 Research and Studies

7.1.3.1.4 Policy and Guidance

The following describe the implementation of the TSS for PSS-T:

7.1.3.1.5 Requirements Generation

Requirements Generation includes these actions:

7.1.3.1.6 Synchronization

The contractor operators will coordinate sensor feeds to the parent unit. Synchronization of PSS-T training development requirements with the DCGS-A training requirements as applicable; coordination is made with other training centers (e.g. Aviation Center of Excellence) to develop TTPs for tactical maneuver commanders to leverage PSS-T capabilities in support of operations

.

7.1.3.1.7 Joint Training Support

N/A

7.1.3.2 Evaluation

TheQAO

must receive feedback from students to ensure the training products produced and the students trained meet the user's needs. Feedback will assist Proponent CoE in correcting training deficiencies, and will provide information that may affect the next generation of equipment or product improvements.

7.1.3.2.1 Quality Assurance (QA)

NSTID will use AARs conducted during and at the conclusion of initial 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 Proponent CoE 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 fixed sites. A NSTID representative conducts their portion of the 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.

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Proponent CoE, Commanders, and PM MaTIC will use lessons learned and AAR data to support efficient and effective PSS-T operational training to identify strengths and weaknesses.

7.1.3.3 Resource Processes

PM MaTIC is responsible for funding all PSS-T contractors training for developmental/operational test training and support. PM MaTIC ensures all TADSS have all future upgrades. PM MaTIC is also responsible for providing funds to support (if applicable) USAICoE training development and support. This will include meetings, in-process reviews, Instructor Key Personnel Training (IKPT) and test certification.

8.0 Self-Development Training Domain

Self-development training focuses on preparing leaders for tasks associated with deploying and employing the PSS-T such as resourcing strategies, establishing site security, site set up, incorporation into the aerial layer of the battlefield, incorporation into the ISR plan and reporting of intelligence information; IMI and the TSP are the primary means of training for this domain.

8.1 Self-Development Training Concept and Strategy

Self-development training through IMI and TSP, which Ft. Huachuca maintains, will include: loading of crypto, maintain site security, set-up of site, and other basic PSS-T operations (to include the TEK), found in the NET TSP. NET TSP will be in the

TRADOC-approved database repository format and accessible via IKN/IKNS or other web based portals; dL will be the path to learning. Training also consists of contractors at the YPG / NTC utilizing the TRADOC-approved NET TSP to maintain mission-specific proficiencies centered on distributed Learning (dL) thru IMI, based on enemy TTPs, and TSP LPs in an unclassified and classified environment. Self development training also consists of learning opportunities for both leaders and contractors focused on employment, resourcing, mission management and intelligence functions.

8.1.1 Product Lines

The PSS-T product lines will consist of training information infrastructures, training products and land, 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

PSS-T TII will exchange data, as required by the TSS, with ATIA and CTIA to support the primary components of the

TII.

8.1.1.1.1 Hardware, Software, and Communications Systems

Training Information Infrastructure will require the use of the following hardware, software, and communications systems:

8.1.1.1.2 Storage, Retrieval, and Delivery

Training Information Infrastructure will require the use of the following storage, retrieval, and delivery systems:

8.1.1.1.3 Management Capabilities

Development of the TSP training products and the modularized IMI products utilize the

Life Cycle Management System(LCMS) and the ALMS. All PSS-T systems will have access to products developed via the LCMS.

8.1.1.1.4 Other Enabling Capabilities

Other TII enabling capabilities, which may include IMI, may be developed.

8.1.1.2 Training Products

CAR knowledge centers,the knowledge centers on USAICoE's IKN, or Proponent knowledge repositories house the PSS-T training materials (TSP and DTT).

NSTID will create, post, and maintain all PSS-T training materials on USAICoE's Knowledge Center (IKN and/or IKN-S). At a minimum, each system upgrade will trigger a review of the PSS-T TSP to determine and implement any modifications. PM MaTIC will ensure USAICoE and fielded units receive new fielding materials and that these materials are stored with each PSS-T in storage. NSTID will incorporate and post new training materials to the appropriate knowledge center with modifications annotated.Once training materials post to the knowledge center, NSTID will generate an e-mail alerting fielded units of modifications to the training materials.

8.1.1.2.1 Courseware

The self-development courseware for PSS-T will be the TSP.

8.1.1.2.2 Courses

The Contracted Operator will use the TSP for self-development on PSS-T system.

8.1.1.2.3 Training Publications

IETMs, SUMs, SUGs and STPs will be available as training references for Operators.

PSS-T TSP will include all developed training products; DTT brief, all POI LPs, tests, and practical exercises produced in the TRADOC-approved database repository.

8.1.1.2.4 Training Support Package (TSP)

The TSP is the foundation for operational training and sustainment of individual and collective skills for Contracted Operators.

PSS-T TSP is exportable and integrates training products/materials necessary to train applicable individual and collective tasks. PSS-T TSP provides a structured training program that supports Contracted Operator training. The TSP is developed and placed in storage with the PSS-T system until deployment. The development of all IMI associated as part of the TSP is at IMI Level three. The TSP, at a minimum, must provide the following materials/capabilities:

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

Graphic Training Aids, IETM, and IMI developed to support institutional and sustainment training will be available on the IKN and other applicable portals to support self development.

8.1.1.3.1 Training Aids

PM MaTIC will resource training aids required for self-development training to include but not limited to IETMs, SUMs, student handouts, job aids, and role/position checklists.

8.1.1.3.2 Training Devices

N/A

8.1.1.3.3 Simulators

The development of the IMI product will have a simulation feature that will provide virtual training on TEK operations for the PSS-T Systems

.

8.1.1.3.4 Simulations

N/A

8.1.1.3.5 Instrumentation

USAICoE, PEO STRI,

INSCOM, and PM MaTIC will assess training instrumentation requirements during system development.

8.1.1.4 Training Facilities and Land

N/A

8.1.1.4.1 Ranges

N/A

8.1.1.4.2 Maneuver Training Areas (MTA)

N/A

8.1.1.4.3 Classrooms

N/A

8.1.1.4.4 CTCs

N/A

8.1.1.4.5 Logistics Support Areas

Facilities for logistical support will be at the following locations:

8.1.1.4.6 Battle Command Training Centers (BCTC)

N/A

8.1.1.5 Training Services

P

M MaTIC will support all training capabilities associated with the PSS-T program throughout the systems lifecycle.
Life Cycle Support will include, but not be limited to, training software and distributed learning products which are designed and developed in a reusable and maintainable format, such as Defense Information Infrastructure Common Operating Environment (DII-COE) and Shareable Courseware Object Reference Model (SCORM) compliant. The PM-MaTIC will update the sustainment packages and Level 3 IMI in conjunction with product improvement.

8.1.1.5.1 Management Support Services

PSS-T self-development training will not require management support services beyond those provided for operational training.

8.1.1.5.2 Acquisition Support Services

PSS-T self-development training will not require management support services beyond those provided for operational training.

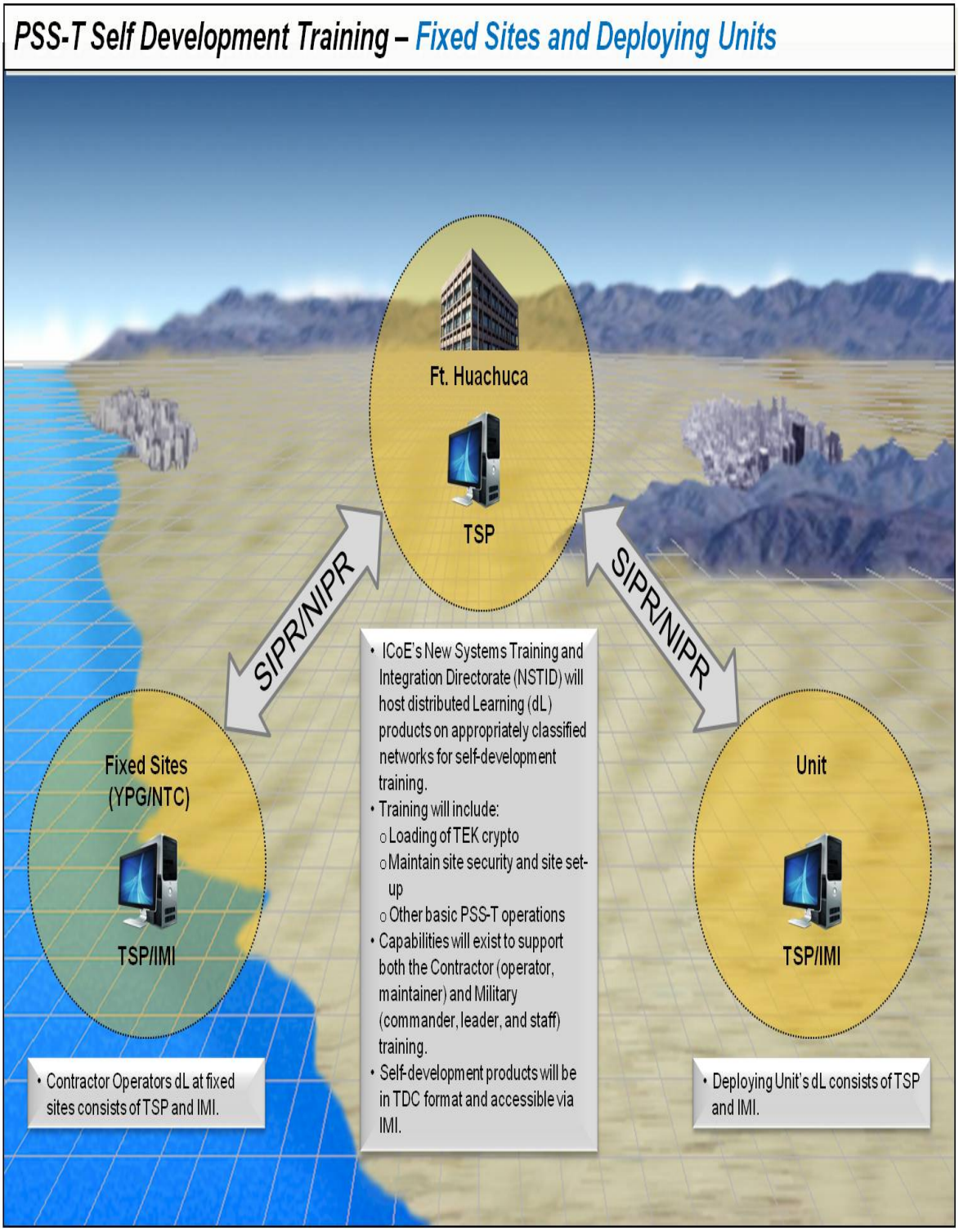
8.1.1.5.3 General Support Services

PSS-T self-development training will not require general support services beyond those provided for operational training.

8.1.2 Architectures and Standards Component

8.1.2.1 Operational View (OV)

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

PM MaTIC will develop and manage the training curricula, training facility, and associated training devices.

8.1.3.1.1 Strategic Planning

The development and fielding of the PSS-T supports Army Transformation and Training Transformation and is consistent with the guidance found in:

8.1.3.1.2 Concept Development and Experimentation (CD&E)

N/A

8.1.3.1.3 Research and Studies

N/A

8.1.3.1.4 Policy and Guidance

The following describe the implementation of the TSS for PSS-T:

8.1.3.1.5 Requirements Generation

Requirements Generation includes these actions:

8.1.3.1.6 Synchronization

N/A

8.1.3.1.7 Joint Training Support

N/A

8.1.3.2 Evaluation

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 training.

8.1.3.2.3 Customer Feedback

The use of Customer feedback to evaluate and trigger corrections to the PSS-T TSS is the process for updating the PSS-T TSS. Feedback tools include:

8.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Proponent CoE, Commanders, and PM MaTIC will use lessons learned and AAR data to support efficient and effective PSS-T operational training to identify strengths and weaknesses.

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 other related research materials to Soldiers through a variety of print and electronic media.

Commanders will conduct AARs after training events and deployments to collect feedback to improve operational training. Commanders and unit trainers will use IEWTPT TCC's AAR capability to assess the effectiveness of the training.

8.1.3.3 Resource Processes

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

A Milestone Annex

SYSTEM MILESTONE SCHEDULE - SHEET A		PAGE 01 OF 01	REQUIREMENT CONTROL SYMBOL
SYSTEM: PSS-T	DA CATEGORY:ACAT II	OFFICE SYMBOL: ATSF-FR	AS OF DATE:
POINTS OF CONTACT	NAME	OFFICE SYMBOL	TELEPHONE
MATERIEL COMMAND PEOSTRI			
PRODUCT MANAGER		SFAE-IEW&S-ACS	DSN 987-4151
TRADOC PROPONENT			
TCM		ATZS-CDI-ACS-AS	DSN 879-0200
COMBAT DEVELOPER			
TRAINING DEVELOPER			DSN 821-9958
CASCOM			

ITEM:	DATE: D = Draft A = Approved P = Pending	RESPONSIBLE AGENCY	NAME OF POINT OF CONTACT	TELEPHONE
MNS(O and O Plan):	A APR 12	USAIC&FH, DCD EAST		(703)713-1787
SMMP:	A JAN 12	USAIC&FH, DCD EAST		(703)713-1787
ORD (ROC):	A APR 12	ATCD-GI		DSN 680-3273
SIPTS:	A FEB 12	AMSEL-LC-IEW-R-AS		DSN 987-5359
STRAP:	D SEP 12	USAIC&FH, ATZS-TDS-N		DSN 821-3088
TTSP:	A FEB 12	USAIC&FH, ATZS-TDS-N		DSN 821-9958

BOIP:	A MAY 12	USAIC&FH, AZS-FDR-CD		DSN 879-0871
NETP:	A APR 12	AMSEL-LC-RE-TE		DSN 987-1818

	Individual Training	

B References

PSS-T CPD TBD

PSS-T CDD, 07 June 2013 (DRAFT)

JDSAISR ICD (0

9 September 2010)

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v1.2.4 Richard P Athanas 2013/09/27 - 2013/10/07	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.3 Approvals - James A Callahan 2013/09/27 - 2013/10/07	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.1 Approvals - James A Callahan 2013/09/26 - 2013/10/06	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - USASOC 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - USAREUR 2013/08/21 - 2013/09/20	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - USARC G7 (US Army Reserve Cmd) 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - USAMA 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - USAACE - Aviation School 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-

v1.2 Army - US Joint Forces Command Net-C2 2013/08/21 - 2013/09/20	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TRADOC_ARCIC 2013/08/21 - 2013/09/20	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TRADOC G-3/5 2013/08/21 - 2013/09/20	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TRADOC Command Safety Office 2013/08/21 - 2013/09/20	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - TCM-Virtual (CS/CSS) 2013/08/21 - 2013/09/20	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM-SBCT 2013/08/21 - 2013/09/20	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - TCM-Live 2013/08/21 - 2013/09/20	Document Accepted As Written	0	0	0	0	0	0	-
v1.2 Army - TCM-Gaming 2013/08/21 - 2013/09/20	No Comments Submitted	0	0	0	0	0	0	-
v1.2 Army - TCM-ABCT 2013/08/21 - 2013/09/20	No Comments Submitted	0	0	0	0	0	0	-

v1.2 Army - TCM TADLP 2013/08/21 - 2013/09/20	6	3	0	5	3	0	1	0	0	
v1.2 Army - TCM ITE 2013/08/21 - 2013/09/20	0	1	0	0	1	0	0	0	0	
v1.2 Army - TCM Intel Sensors 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - TCM Constructive 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - TCM ATIS 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - Space&Missile Defense Command 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - SIGCoE - Signal School 2013/08/21 - 2013/09/20	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - SIGCoE - OCOS 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - SCoE 2013/08/21 - 2013/09/20	0	2	0	0	0	0	0	2	0	
v1.2 Army - PM-UAS 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-

v1.2 Army - PM SCIE 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - PM PROPHET 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - PM Fixed Wing 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - PM DCGS-A 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - PM Air Warrior 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - PEO-STRI Customer Support Group 2013/08/21 - 2013/09/20	1	0	0	1	0	0	0	0	0	
v1.2 Army - PEO Missiles and Space (IAMD) 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - PEO Aviation 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - MSCoE - MANSCEN 2013/08/21 - 2013/09/20	6	2	0	0	1	0	6	1	0	
v1.2 Army - MCoE -	No Comments			0	0	0	0	0	0	-

Infantry&Armor School 2013/08/21 - 2013/09/20	Submitted									
v1.2 Army - MCCoE 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - LD&E 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - IMCOM 2013/08/21 - 2013/09/20	1	0	0	1	0	0	0	0	0	
v1.2 Army - Human Resource Command (HRC) 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - HQDA G2 - Alternate POC 2013/08/21 - 2013/09/20	0	3	0	0	2	0	0	1	0	
v1.2 Army - HQDA G2 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - HQ INSCOM G3, NWD 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - FCoE - Field Artillery 2013/08/21 - 2013/09/20	2	2	1	0	0	0	2	2	1	
v1.2 Army - DAMO-TRS 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - CTCD	No Comments			0	0	0	0	0	0	-

2013/08/21 - 2013/09/20	Submitted									
v1.2 Army - Combined Arms Center 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - CAC-T; Training Management Dir 2013/08/21 - 2013/09/20	6	23	0	6	14	0	0	9	0	
v1.2 Army - Brigade Modernization Cmd (BMC) 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - AVNCoE Aviation Logistics School 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - ATSC TSAID 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - ATSC Fielded Devices 2013/08/21 - 2013/09/20	0	0	1	0	0	0	0	0	1	
v1.2 Army - ATSC 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - ARNG-RMQ-RA 2013/08/21 - 2013/09/20	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - Army National Guard	No Comments Submitted			0	0	0	0	0	0	-

2013/08/21 - 2013/09/20									
v1.2 Army - Army Material Command (AMC), G3 2013/08/21 - 2013/09/20	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - AMEDD Center&School 2013/08/21 - 2013/09/20	Document Accepted As Written			0	0	0	0	0	0	-
v1.1 Peer - USASOC 2013/04/25 - 2013/05/24	No Comments Submitted			0	0	0	0	0	0	-
v1.1 Peer - USAACE - Aviation School 2013/04/25 - 2013/05/24	Document Accepted As Written			0	0	0	0	0	0	-
v1.1 Peer - Transportation School 2013/04/25 - 2013/05/24	No Comments Submitted			0	0	0	0	0	0	-
v1.1 Peer - SIGCoE - Signal School 2013/04/25 - 2013/05/24	Document Accepted As Written			0	0	0	0	0	0	-
v1.1 Peer - SCoE 2013/04/25 - 2013/05/24	No Comments Submitted			0	0	0	0	0	0	-
v1.1 Peer - MSCoE - MANSCEN 2013/04/25 - 2013/05/24	33	10	0	33	9	0	0	1	0	
v1.1 Peer - MCoE - Infantry&Armor School 2013/04/25 -	No Comments Submitted			0	0	0	0	0	0	-

2013/05/24										
v1.1 Peer - FCoE-ADA School 2013/04/25 - 2013/05/24	Document Accepted As Written			0	0	0	0	0	0	-
v1.1 Peer - FCoE - Field Artillery 2013/04/25 - 2013/05/24	4	0	0	4	0	0	0	0	0	
v1.1 Peer - AVNCoE Aviation Logistics School 2013/04/25 - 2013/05/24	No Comments Submitted			0	0	0	0	0	0	-
v1.1 Peer - AMC G-8 2013/04/25 - 2013/05/24	No Comments Submitted			0	0	0	0	0	0	-
v1.1 Peer - USAACE - Aviation School 2013/02/01 - 2013/03/01	Document Accepted As Written			0	0	0	0	0	0	-
v1.1 Peer - FCoE-ADA School 2013/02/01 - 2013/03/01	4	0	0	4	0	0	0	0	0	

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

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

ATZS-DCT

25 September 2013

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

SUBJECT: Approval of System Training Plan (STRAP) for the Persistent Surveillance System-Tethered (PSS-T)

1. The PSS-T STRAP is approved. Approved STRAP will be posted to the Central Army Registry (CAR) website: www.adtdl.army.mil.

2. Point of contact for this STRAP is Mr. Stephen McFarland, NSTID STRAP Manager (520) 533-5387 (DSN 821), stephen.j.mcfarland.civ@mail.mil.

LISA K. PRICE
COL, MI
Deputy Commander, Training