

Improved Turbine Engine Program (ITEP)
(version 2.0)

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USAACE - Aviation School

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

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1.0 System Description

The Improved Turbine Engine Program (ITEP) will replace the T700 engines that power Black Hawk and Apache helicopters with an engine that provides significantly increased power at the same weight of the T700 and improved reliability, maintainability, and fuel efficiency. ITEP increases Warfighter capability while simultaneously providing Operational Energy fuel savings. ITEP derives its requirements from the approved Operational Energy for Sustained Ground Operations Initial Capabilities Document (ICD). In 2008, the Science & Technology community initiated the Advanced Affordable Turbine Engine (AATE) Program which will conclude in 2014. The AATE program has already demonstrated increased shaft horse power-to-weight ratios, and improved maintainability, reliability, and fuel efficiency on demonstrator engines. This technology will be Technology Readiness Level 6 in 2014 upon its conclusion and will transition to ITEP.

The ITEP is expected to be a Major Defense Acquisition Program. The ITEP is projected to be an ACAT 1D program. Management of this program belongs to the U.S. Army Project Manager for Utility Helicopters (PM UH). The ITEP is a product of the Common Engine Product Office, Utility Helicopters Project Management Office under the Army's Program Executive Office for Aviation.

The intent of the ITEP is the planned development and qualification for the next generation turbine engine to power the current and future aviation force. The ITEP Program will align with the Army Operational Power and Energy Strategy, the DoD Operational Energy Strategy, and the National Defense Strategy. The focus of the ITEP will be to develop the following capabilities and improvements for Black Hawk and Apache fleets while remaining affordable:

- Significant fuel savings for increased range or lessened fuel demand
- Increased power and lift capability over current engine to improve operations in hot/high altitude conditions
- Improved reliability/maintainability

- Lower Operational and Sustainment (O&S) costs

2.0 Target Audience

TARGET AUDIENCE		
Category	Job	Area of Concentration (AOC) Military Occupational Specialty (MOS)
Operator		
	UH-60 PILOT	153C
	MH-60 PILOT	153D
	AH-64D ATTACK PILOT	152F
Subject Matter Expert (SME)		
	AH-64 ATTACK HELICOPTER REPAIRER	15R 10-40
	UH-60 HELICOPTER REPAIRER	15T 10-40
	AIRCRAFT TURBINE ENGINE MECHANIC	15B 10-30
	AIRCRAFT COMPONENT REPAIR SUPERVISOR	15K 40
	AVIATION MAINTENANCE TECHNICIAN	151AE
Supply		

Repairer		
	AIRCRAFT TURBINE ENGINE MECHANIC	15B 10-30
	AH-64 ATTACK HELICOPTER REPAIRER	15R 10-40
	UH-60 HELICOPTER REPAIRER	15T 10-40
Trainer		
Additional Information/Requirements:		

3.0 Assumptions

The following list of assumptions underlies the training concept and training strategy. These assumptions were derived from preliminary analysis related to the Materiel Requirements Documents (MRDs), and comparative analysis of similar systems.

- The Army requires no new Military Occupational Specialties (MOSs) or Additional Skill Identifiers (ASIs) to operate, maintain, or support the system.
- The system will not require a change in skill or aptitude requirements, as described in DA PAM 611-21 for the assigned MOSs.
- The Army requires no increase in manpower or personnel to either operate or support the system. Introduction of the Improved Turbine Engine (ITE) into US Army aviation units will not require any increase in the physical, sensory, or mental abilities of the personnel who have responsibility for its operation, maintenance, or support.
- Any software or software changes directed toward operation or maintenance will be user friendly and follow an open system design approach.
- The materiel developer will ensure that the ITEP Training Development (TD) process is in accordance with the HQDA approved Army Learning Policy and Systems (TR 350-70, 6 DEC 2011, pg1 under history) using the Analysis, design, Development, Implementation and Evaluation (ADDIE) process for this new system. This includes the development of all training products to include:
 - Technical manuals, which conform to applicable military and/or commercial specifications, will be validated, verified and delivered to the user no later than 30 days prior to first system delivery.

- Training materials developed by the materiel developer will be adequate for New Equipment Training (NET), unit sustainment, and institutional training. Institutional training will be conducted at 128th AVN BDE, Ft Eustis VA, and USAACE, Ft Rucker, AL, for NCOs and IET soldiers respectively.
- The S3 128th AVN BDE, FT Eustis, VA will provide oversight review and approval of all Training Development (TD) Materials prior to implementation.
- Active Army and reserve component training will be identical per TRADOC's Total Army School System (TASS) requirement.
- The contractor and/or materiel developer (as appropriate) will provide the New Equipment Training Team (NETT).
- The contractor will develop the training subsystem concurrently with the system hardware/software via the NET Training Support Package (TSP), and ensure that it is in place when new system and subsequent equipment upgrade fielding begins.
- ITE training will encompass all hardware and software specific to the operation and maintenance of the equipment.
- The Lesson Plans (LPs) developed by the contractor will be put in the Training Development Capability (TDC) database. This authoring software provides the capability of producing LPs in an exportable format. It is also the vehicle by which these same LPs are placed on the Reimer Digital Library, and the 128th AVN BDE Life Long Learning Centers (L3C).

- The materiel developer will develop an Interactive Multimedia TSP consisting of instructor/operator and user training, to include Digital Operator Guides (DOGs) and manuals. The interactive multimedia TSP will include tutorial "how to" modules that permit audiences to be self-taught, where feasible, and include a diagnostic module that permits identification of operator/user procedural errors. The materiel developer will develop training to include Distributive Learning (DL) in accordance with the ADDIE process that the government will validate during developmental and operational testing. Additionally, the materiel developer will update all training materials when a software update/upgrade occurs so that the training and training materials will support the update/upgrade. An Instructor and Key Personnel Training (IKPT) course must be provided in conjunction with site delivery.
- Sustainment training will be accomplished with the NET TSP, including the Interactive Multimedia Instruction (IMI) TSP, to be left with the unit following NET.
- The system must have the capability of being trained at the unit, in both garrison and field environments.
- The 128th AVN BDE will determine the operator tasks and maintainer tasks to be trained, the recommended training strategy, and the required training materials through use of the ADDIE process. All DL design packages will be reviewed and approved by the 128th AVN BDE S3 prior to initiation of the development process by material developers. All decisions will be documented appropriately in an audit trail.
- 128th AVN BDE Systems Integration Division (SID) is responsible for coordinating the integration of training strategies into this STRAP.
- 128th AVN BDE SID, is responsible for the development and submission of this STRAP, and will task Training Battalions as appropriate to provide training input. 128th AVN BDE is the training proponent for

maintainer training, and CMF15 Aviation Maintenance.

- The 15B ITEP maintainer will be trained during the existing 15B AIT course. Additional or redistributed hours will be needed for the 15B AIT course for training of the ITEP.
- The materiel developer will field the ITEP using the most recent version of the system software and will update/upgrade all training materials to reflect the update/upgrade.
- The system will use standard and special tools that already exist in the U.S. Army Logistics System.
- The Army will utilize contractor depot support until such a time that the US Army determines that an organic depot is established.

4.0 Training Constraints

Constraint Type	Probable Impact	Mitigating Efforts
<i>Budgetary</i>		
Funding for ITEP equipment for the training base and the field is a Program Manager (PM ITEP) responsibility.	ITEP system availability.	TBD
<i>Equipment</i>		
New hardware or technology to be developed as part of the ITEP system.	None	The ITEP System augments and interfaces with other unit automation information systems sustained. The ITEP system HW will consist of a combination of Government Off the Shelf (COTS) and Commercial Off The Shelf (COTS) components.
<i>Training Equipment</i>		
ITEP is a new system with	ITEP users may be	A complete TSP with all

<p>unique capabilities that will require a relevant and innovative training approach.</p>	<p>initially unfamiliar with the potential capabilities of the system.</p>	<p>necessary training materials (POI, lesson plans, slides, handouts, practical exercises, examinations, Interactive Multimedia Instruction, operator videotapes, etc.) will be left with the unit to use as a basis for sustainment training. Likewise, use of Level 3 Interactive Multimedia Instruction (IMI) for institutional, NET and unit sustainment training is an objective goal.</p>
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Personnel

<p>Increases in manpower for maintenance, support, and / or employment of the system.</p>	<p>TBD</p>	<p>There will not be an increase in manpower for maintenance, support, and/or employment of the system. The ITEP system will not require new Military Operational Specialties (MOS's) or additional manpower in order to be operated at the unit level.</p>
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Facilities

Use of new or existing training facilities.	None	ITEP will require no unique or additional facilities requirement.
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Human Factors Engineering

No known constraints		
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System Safety

No known constraints.		
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Doctrine

Availability of funds and military personnel, if required, for the development and presentation of the Doctrine and Tactics Training (DTT) is a PM ITEP	TBD	TBD
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<p>responsibility. The ITEP system will enhance leadership decision-making abilities, and will directly affect doctrine and operational environments.</p>		
<p>Environmental</p>		
<p>No known constraints .</p>		
<p>Support Services</p>		
<p>PM ITEP funding to support tools, personnel training, training equipment, and Associated Support Items of Equipment (ASIOE) to support the training base for USAACE and 128th Aviation Brigade is dependent upon availability and accuracy of Qualitative and Quantitative Personnel Information (QQPRI).</p>	<p>Availability support tools, personnel training, training equipment, and Associated Support Items of Equipment (ASIOE).</p>	<p>TBD</p>
<p>Command Guidance</p>		

No known constraints.		
<i>Soldier Survivability</i>		
No known constraints.		
<i>Other</i>		
No known constraints.		
<i>Public Law</i>		
No known constraints.		

5.0 System Training Concept

The training concept adds engine improvements to existing Aviation units. The New Equipment Training (NET) concept is implemented through the materiel developer's requirement to provide NET, and Training Support Packages (TSPs) for modified and new systems. The training design ensures ITEP training, but it is not limited to Instructor and Key Personnel Training (IKPT) for both operator and maintainer proponents. Individual and collective task analysis data will be the driving force for effective training. This training includes the development of ITEP peculiar (Aviation Specific) instruction, designed as an exportable multimedia TSP complete with digitized Programs of Instruction (POI 's), lesson plans, Technical Manuals (TM's), student and instructor guides, and a Course Management Plan (CMP). The TSP will include self-taught "how to" tutorial module, and a diagnostic test module that permits identification of Soldier Training proficiency by module. The instructor will use the TSP during the course of New Equipment Training (NET) and furnish the TSP to the Directorate or Training and Doctrine (DOTD) (to be put on the DTAC server) and the units as part of the equipment fielding/training process. The New Equipment Training Team (NETT) will provide NET and instruction, and a doctrinal team that will present Doctrine and Tactics Training (DTT) training for all units fielded with the new system. This training concept is applicable to the AGPU developed per the following design:

- The ITEP training program will be developed using the Analysis, design, Development, Implementation and Evaluation (ADDIE) process and placed into the TDC program or its approved TRADOC replacement and apply the appropriate concept of DL. This training system will be developed concurrently with the system hardware and software, validated during Initial Operational Test (IOT), and will be in place when system fielding begins. Training products and devices will be operated in an environment typically found in both the institution and unit. Operators and Maintainers courses will utilize these devices and products.
- The PM ITEP and 128th AVN BDE Department SID are responsible for managing the development of resident and nonresident instructional material to ensure the total system is trained. The PM ITEP is responsible for managing training development for emerging new systems, based on Logistic Support Analysis Record (LSAR) generated by the contractor. NET will be conducted in conjunction with the fielding of all ITEP Systems. Training development will be structured using the ADDIE methodology and fully documented using TDC or

its replacement. Institutional training will consist of resident instruction for the following: operator, maintainer, and supervisory personnel. Unit training will consist of nonresident training supported by Soldier and unit training products. PM ITEP will update all training materials when a software or hardware update/upgrade occurs so that the training and training materials will support the update/upgrade.

- The 15B will be trained during the existing 15B AIT course. Additional or redistributed hours will be needed for the 15B AIT course for training of the ITEP. Formal training for the ITEP will be conducted through NET training at the units. The Materiel Developer will provide the training materials and equipment needed to train the Soldiers.
- The Materiel Developer, Product Manager will provide required training equipment and Instructor and Key Personnel Training (IKPT) prior to the resident training start date as part of the New Equipment Training Plan (NETP) requirements. NETP training is to be developed and funded by the Materiel Developer and approved by the Army G-3.
- The ITEP training strategy(ies) will maximize the use of common components/modules in order to simplify development(s), configuration control, and life cycle support of requisite training programs and products.
- The ITEP contractor will develop, maintain, and deliver complete Electronic Technical Manual(s) (ETM) that are electronically linked to an automated management database or authoring system that allows for the electronic design, development, and the maintenance of ITEP proponent training products.

5.1 New Equipment Training Concept (NET)

The NET concept is implemented through the Materiel Developer's requirement to provide a Training Support Package (TSP) for NET, unit sustainment, and institutional training and is the basis for all training. NET requirements include;

- ITE NET is the Materiel Developer responsibility. It will be conducted by PM ITEP or a PM selected contractor. It will be monitored by the 128th AVN BDE SID.
- NET will be conducted at the receiving units when the system is delivered. The units will be responsible to conduct sustainment and proficiency training on the system after receiving the NET. NET details will be in the New Equipment Training Plan (NETP).
- NET will be conducted in conjunction with the fielding of the ITEP. The ITEP will require operator and maintainer NET for Instructors and Key Personnel Training. PM ITEP Using an updated Critical Task List (CTL) for the current system will identify ITEP POI tasks. The PM ITEP will provide 128th AVN BDE SID with the training materials required to train operator and maintainer tasks In Accordance With (IAW) the training strategy developed for ITE. The PM ITEP will use the training material to train test players for the Initial Operational Test and Evaluation (IOT&E). The training developer at 128th AVN BDE is responsible for selection of the critical tasks to support the training at the proponent school. The PM ITEP is responsible for the development of all NETP materials and ensures that they are in compliance with TR 350-70 TDC format or TRADOC's latest Training Development (TD) workload management database that supersedes the current TD automation system.
- New Equipment Training Team (NETT). A NETT will be provided by the PM ITEP to conduct all NET training requirements. PM ITEP ITEP may request support personnel from 128th AVN BDE SID to conduct NET provided all required resources (TDY funds, civilian pay, training aids, and training support packages) are provided by the PM ITEP.

- The NET strategy is based on AR 350-1 in conjunction with the NET requirements and is the responsibility of PM ITEP. The strategy will be coordinated with 128th AVN BDE and will reside in the TDC database or its replacement. NET planners will consider exportable Interactive Multimedia Instruction (IMI), DL and train-the-trainer. NET development will, as a minimum, include a Total Task Inventory (TTI), NET Training Support Package (TSP) that includes multimedia in addition to POI's, lesson plans, technical manuals, student and instructor guides, and a course management plan. The TSP will include a tutorial "how to" module that permits identification of Soldier training proficiency by module. The ITEP equipment and training subsystem, all devices and products must be available for NET. The following NET courses are required: **(1)** Test Player Training, **(2)** Instructor and Key Personnel (I&KP) Course, and **(3)** Unit NET.

5.2 Displaced Equipment Training (DET)

There is no DET strategy for active and reserve units (AA/RC) designated by DA G-3 and G-8 to receive the system at this time. The ITEP will replace the current powerplant systems on the AH-64 and UH/MH-60, in use for both the RC and AA.

5.3 Doctrine and Tactics Training (DTT)

The Training Developer, through the review of applicable operational concepts developed by the Combat Developer (TRADOC Capability Manager (TCM), TPO-AB, 128th AVN BDE Systems Integration Division (SID)), will develop any new DTT and identify the need for such training to the Material Developer for inclusion in the NET Plan (NETP). The DTT will be presented as part of NET and in conjunction with test events required for development of the ITEP. The DTT will be added to applicable Doctrinal manuals during the normal document update period.

5.4 Training Test Support Package (TTSP)

All task training development performed by PM ITEP will be performed using the Analysis, Design, Development, Implementation and Evaluation (ADDIE) Process as outlined in TRADOC Regulation 350-70 and the products and process data delivered to the government will be in the latest TDC version (Or any other Training Development (TD) automation tool that may be adopted by the Army). The 128th AVN BDE training developer will prepare and develop the Test Training Support Package (TTSP). This process will facilitate the production of training support products for delivery with the Training Support System and the ability to rapidly update tasks and their instructional products using digital information systems.

The final TTSP consists of:

- Training schedule for player personnel. The Lesson Plans (LPs) developed by PM ITEP for the NET TSP will be put into TDC or the TRADOC database using software provided by the Army Training Support Center (ATSC). This authoring software provides the capability of producing LPs in an exportable format. It is also the vehicle by which these same LPs are placed on the Central Army Registry (CAR), and the 128th AVN BDE Life Long Learning Center (L3C).

- POI for each affected MOS

- List of training devices and embedded training components.

- Army training and evaluations program, draft Combined Arms Training Strategy (CATS) or changes to the CATS.

- Target audience description

- Draft Soldiers' Training Publications (STPs) or changes

- Lesson Plans (LP)
- Critical Task List (CTL)
- Technical Manuals (TM), which conform to applicable military and commercial specifications, will be validated & verified, prior to initial NET and delivered to the user not later than 90 days prior to first system delivery.

6.0 Institutional Training Domain

Institutional ITEP training courses for operators and maintainers will be taught at USAACE and 128TH AVN BDE, in accordance with the Army Campaign Plan. Training is developed per the guidance in TRADOC Regulation 350-70 and designed to be safe, mission focused, and based on aviation doctrine. Institutional training and instruction will be performance oriented, emphasizing hands-on practical exercises, and prepares aviation soldiers to achieve and sustain proficiency of individual tasks. Standards are determined from the METL and Soldier Training Publications (STPs). Training will be designed to be sequential by steps/procedures. Institutional and unit training programs should capitalize on TADSS technology and other devices that support efficient and effective training.

6.1 Institutional Training Concept and Strategy

A full complement of training support products are required to support training of the system in the institution, during NET, and in support of the unit training strategy/sustainment training. Components will employ embedded training capabilities, be multimedia-based, and use distributive-learning technologies. The system will contain (as a minimum) required doctrinal manuals, system technical manuals (will be Electronic Technical Manuals [ETM]), TADSS, IMI, TSP, and courses (complete with a digitized POI, lesson plans, student and instructor guides, and a course management plan). Adequate maintenance and support personnel to achieve system availability and maintainability parameters specified in the CDD. The Material Developer is required to develop TSP changes to ITEP training as the system matures IAW TR 350-70. All training and training development will be IAW AR 350-1 and TR 350-70. Training development will include institutional training and exportable TSPs, IMI and other forms of DL to support unit sustainment training. A complete training system fielded with the ITEP is vital to the overall success of the system.

6.1.1 Product Lines

The maintenance training courses at the 128th AVN BDE will include classroom presentations, Interactive Multimedia Instruction and equipment oriented practical exercises and performance evaluations. Topics covered will be as a minimum, System Operation, Maintenance Concepts, Preventive Maintenance, Equipment Checkout, Troubleshooting, and appropriate corrective actions in accordance with the applicable TM. Current aircraft platform devices in use at the 128th AVN BDE supporting the UH-60 and AH-64 will be upgraded to include the ITEP system as determined by the media analysis. The operator courses will not create an Additional Skill Identifier (ASI) or create an increase in Manpower. The maintainer course is not projected to create an ASI or manpower increase.

6.1.1.1 Training Information Infrastructure

ITEP training infrastructure will require use of the following items:

- Commercial off the shelf (COTS) Automated Information Systems (AIS) with CD-ROM and or DVD.
- Training Development Capabilities (TDC).

Department of Defense (DOD) standards such as Army Distributive Learning (ADL), Sharable Content Object Reference Model (SCORM), and Army Training Information Architecture-Migrated (ATIA-M) will be implemented in the design and development of the embedded and DL products. ITEP Life Cycle Support will include training, training software and courseware design that will be developed in a reusable and maintainable format, i.e., Defense Information Infrastructure Common Operating Environment (DII-COE) and SCORM compliant. The PM ITEP is responsible for the funding of support tools, personnel training, training equipment, and Associated Support Items of Equipment (ASIOE) to support the training base for 128TH AVN BDE and USAACE. The amount is dependent upon availability and accuracy of Qualitative and Quantitative Personnel Requirements Information (QQPRI).

6.1.1.1.1 Hardware, Software, and Communications Systems

Hardware, Software, and Communications Systems. The Army Knowledge Online (AKO) infrastructure includes approved Learning Management Systems (LMS) that register students and track their progress, and provides an integrated platform for content, delivery, and management of learning via Web Based Training (WBT). The user interface is through an internet connection or use of an intranet and other standard communications protocols.

6.1.1.1.2 Storage, Retrieval, and Delivery

Access and storage of ITE training and information will be made available through one or more of the following locations:

- Training Development Capability (TDC) Database or its replacement

- The Army Learning Management System (ALMS)
- The Central Army Registry (CAR)
- The Digital Training Management System (DTMS)
- The Army Training Network (ATN)

6.1.1.1.3 Management Capabilities

ITEP training products and information will be managed through the Army Learning Policy and Systems(ALPS), DL, TDC, and the Automated Instructional Management System - Personal Computer (AIMS-PC).

6.1.1.1.4 Other Enabling Capabilities

Institutions will utilize existing POIs and training publications. TSPs are provided with the NET. The NET TSPs will be used as a baseline for institutional training.

6.1.1.2 Training Products

Providing training equipment and other essential training products to the training center and school in time to prepare Soldiers for initial system fielding is the key to successful training. This equipment and products must maintain interoperability with the future modular force training systems. The Materiel Developer will provide exportable Interactive Multimedia Instruction (IMI), DL and train-the-trainer. For the institution there should be adequate IMI and computer based training (CBT) to provide the student load with virtual hands on experience while at the same time reducing the number of ITEP training devices required in the school as training equipment. For the live FTX portion of the institutional training and for unit training and sustainment in the field, components will employ embedded training capabilities, be multimedia based, and/or use distance-learning technologies. The subsystem will contain (as a minimum) doctrinal manuals, system ETM, TMs, IMI Training Support Package (TSP) and courses (complete with a digitized POI, lesson plans, student and instructor guides, course management plan, and simulated and/or real ITEs). The package will be coordinated with 128th AVN BDE training developers. This process will facilitate the production of training support products for delivery with the Training Support System and the ability to rapidly update tasks and their instructional products using digital information systems. The following are additional items that need to be considered during the training development phase;

- Training materials developed by the PM ITEP will be used for NET, unit sustainment, and institutional training.
- The contractor will develop the training system concurrently with the system hardware/software via the NET TSP, and ensure that it is in place when new system fielding begins.
- ITEP training will encompass all hardware and software specific to the operation and maintenance of the equipment. The ITEP institutional training strategy must be IAW the ICD, CDD, and CPD STRAP and will be developed / designed to produce ITEP trained Soldiers.
- The LPs developed by the contractor for the NET TSP will be put in the TDC database through online access with access permissions from the 128th AVN BDE. This authoring software provides the capability of producing LPs in an

exportable format for instructor use.

- The PM ITEP will develop an Interactive Multimedia TSP consisting of instructor/operator and user training, to include Digital Operator Guides (DOGS) and manuals. The interactive multimedia TSP will include tutorial "how to" modules that permit audiences to be self-taught, where feasible, and include a diagnostic module that permits identification of DL in accordance with the ADDIE process that the government will validate during developmental and operational testing. Additionally, The PM ITEP will update all training materials when a software update/upgrade occurs so that the training and training materials will support the update/upgrade.

6.1.1.2.1 Courseware

The TSP will form the basis of software for institutional training. IMI products, up to and including Level 4 will be used to provide training for all levels (Institutional, Operational, and Individual). The PM ITEP will also be responsible for upgrading the TSP as newer versions of software become available and modifications are made.

6.1.1.2.2 Courses

Course Name	Course Number
Initial Military Training	
AIRCRAFT POWERPLANT REPAIRER	601-15B10
AH-64D ATTACK HELICOPTER REPAIRER	600-15R10
UH-60A/L HELICOPTER REPAIRER	600-15T10
INITIAL ENTRY ROTARY WING AVIATOR COURSE	2C-15A

Professional Military Education (PME)	
AIRCRAFT POWERPLANT REPAIRER ADVANCED LEADERS COURSE	601-15B30-C45
UH-60 HELICOPTER REPAIRER ADVANCED LEADERS COURSE	600-15T30-C45
UH-60 HELICOPTER REPAIRERS SENIOR LEADERS COURSE	600-15T40-C46
AH-64D ATTACK HELICOPTER REPAIRER ADVANCED LEADERS COURSE	600-15R30-C45
AH-64D ATTACK HELICOPTER REPAIRER SENIOR LEADERS COURSE	600-15R40-C46
AIRCRAFT COMPONENT REPAIRER SUPERVISOR	

SENIOR LEADERS COURSE	602-15K40-C46
Functional And ASI	
MAINTENANCE TEST PILOT COURSE	
INSTRUCTOR PILOT COURSE	
AVIATION MAINTENANCE MANAGERS COURSE	
AVIATION MAINTENANCE TECHNICIANS COURSE	
Mobilization	

6.1.1.2.3 Training Publications

The Materiel Developer will develop training products in coordination with the proponent. All user manuals, and STP shall be created in both hard copies and software versions and available to the Soldier during NET, institutional training and downloadable from The Army Training Network (ATN). The ITEP TSP will provide a structured training program that supports Soldier/Leader and staff training. All task development will be completed using the consolidated TDC database or any doctrinal analysis database that will replace the TDC system in the future. This will facilitate the production of training support products for delivery with the Training Support System (TSS) and the ability to rapidly update tasks and their instructional products using digital information.

6.1.1.2.4 Training Support Package (TSP)

The ITEP TSP will provide a structured training program that supports Soldier / Leader and staff training and will be integrated into a training and management exercise. All validated TSPs will be loaded into the TDC database. TSPs will contain operational software, operator IMI in CD-ROM format. The Materiel Developer will provide a complete library of available ADEC related manuals, to include all related training.

6.1.1.3 TADSS

- Interactive Courseware (ICW), Computer Based Training (CBT), and Computer Aided Instruction (CAI) will be used to the maximum extent possible.

- ITE TADSS will be provided to the training institutions concurrent with the ITE fielding.

6.1.1.3.1 Training Aids

Training Aids will be used to the maximum extent possible to include the following, but not limited to; actual program, mock-ups, diagrams, and computers.

6.1.1.3.2 Training Devices

- **Maintainer Devices:** Institutional training aids will include actual equipment, modeled and simulated training devices, and diagrams as required to teach basic maintenance tasks.

- An ITEP and/or ITEP modeled and simulated maintenance training equipment will allow maintainers to practice remove/replace critical tasks which will permit them to maintain/increase MOS proficiency without degrading ITEP operations. The training equipment will allow maintainers to practice troubleshooting the entire ITEP and all sub-components while keeping the system operational. The instructor, through the training equipment, will be able to simulate faults in specific areas of the ITEP and its sub-components, thereby allowing the 15B to practice troubleshooting and fault finding skills and techniques. The training equipment will also require maintainers to utilize the proper test, measuring and diagnostic equipment (TMDE) when conducting troubleshooting and fault finding. This training equipment will be utilized for 15B AIT training and 15B ALC training.

6.1.1.3.3 Simulators

Simulators for the ITEP should be developed to an overall medium physical and functional fidelity and utilize the same product standards as the capability. They shall be capable of being integrated into the current training environment and facilities located at the resident training sites.

6.1.1.3.4 Simulations

Simulations need to support institutional training. PM ITEP will develop and fund IMI simulation training over the life-cycle of the ITEP program.

6.1.1.3.5 Instrumentation

No instrumentation is required at this time.

6.1.1.4 Training Facilities and Land

No new training facilities or land have been identified for the ITEP.

6.1.1.4.1 Ranges

No range requirements exist for the ITEP.

6.1.1.4.2 Maneuver Training Areas (MTA)

No MTA are required for the ITEP.

6.1.1.4.3 Classrooms

The ITEP will be instructed in the current classrooms existing at 128TH AVN BDE and USAACE.

6.1.1.4.4 CTCs

No CTC required for the IEP.

6.1.1.4.5 Logistics Support Areas

Logistics support areas are facilities used for logistics processing, support, storage and staging. The institution is responsible for storing training devices and systems, both classified and unclassified.

6.1.1.4.6 Mission Training Complex (MTC)

Not Applicable

6.1.1.5 Training Services

- The PM ITEP is responsible for the New Equipment Training Plan (NETP). The 128th AVN BDE training developers will input the appropriate training requirements into the System Training Plan (STRAP).
- The PM ITEP must provide resources for the most cost-effective training program throughout the lifecycle of the ITEP program (AR 700-127) for operators and maintainers. These must be determined as early as possible in the program, and ensure that the training enables those Soldiers to achieve the performance levels required for the ITEP and as specified in the requirement documents.
- Funding for training development of ITEP equipment for the training bases is a the PM ITEP responsibility. This is IAW AR 350-1, paragraph 5-7.
- Embedded training will not adversely impact the operational requirements or capabilities of the system. The requirement should be identified early in the Life Cycle Management Model (LCMM) enough to be incorporated into proto-type designs that analyze its capability to train individual tasks through force-level collective tasks, as required.
- The PM ITEP will provide the required TADSS and I&KPT with active participation by 128th AVN BDE training developers will require the contractor to develop or update a complete training system, e.g., institutional training devices, embedded training system, I&KPT, and NET. The system will contain (as a minimum) ETM's, and TSP and courses (complete with a digitized POI, lesson plans, student and instructor guides and a course management plan).
- The PM ITEP will provide required training equipment and I&KPT prior to the resident training start date as part of the New Equipment Training Plan (NETP)

requirement and after any equipment improvement programs as determined by the assigned training developer. Training is to be developed and funded by the PM ITEP .

6.1.1.5.1 Management Support Services

The PM ITEP must coordinate funding for the life cycle of the ITEP. Standard Army management support services are available throughout the Army support system related requirements. The Training Development Capability (TDC) is used to track Training Support System (TSS) products. The Army Learning Management System (ALMS) and Army Training Requirements and Resources System (ATRRS) will be used to schedule, deliver and record completion of training. Contract Logistic Support (CLS) is required for management support services and training infrastructure services.

6.1.1.5.2 Acquisition Support Services

DLXXI Contract management services and other contract vehicles are a standard provided system for support. PM ITEP must coordinate funding for the life cycle of the ITEP.

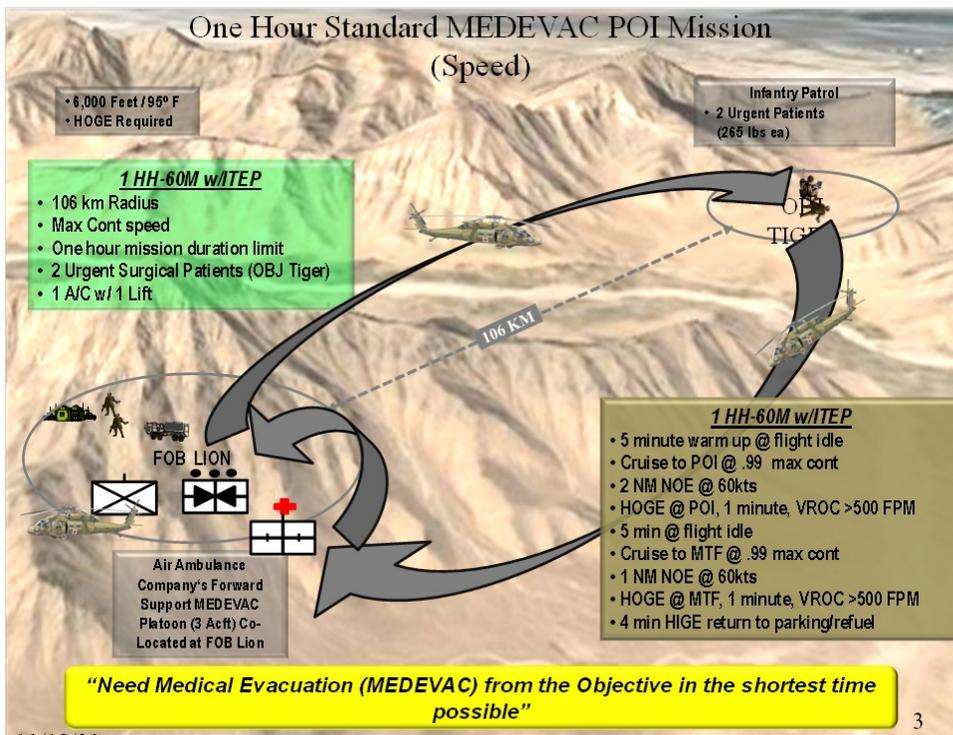
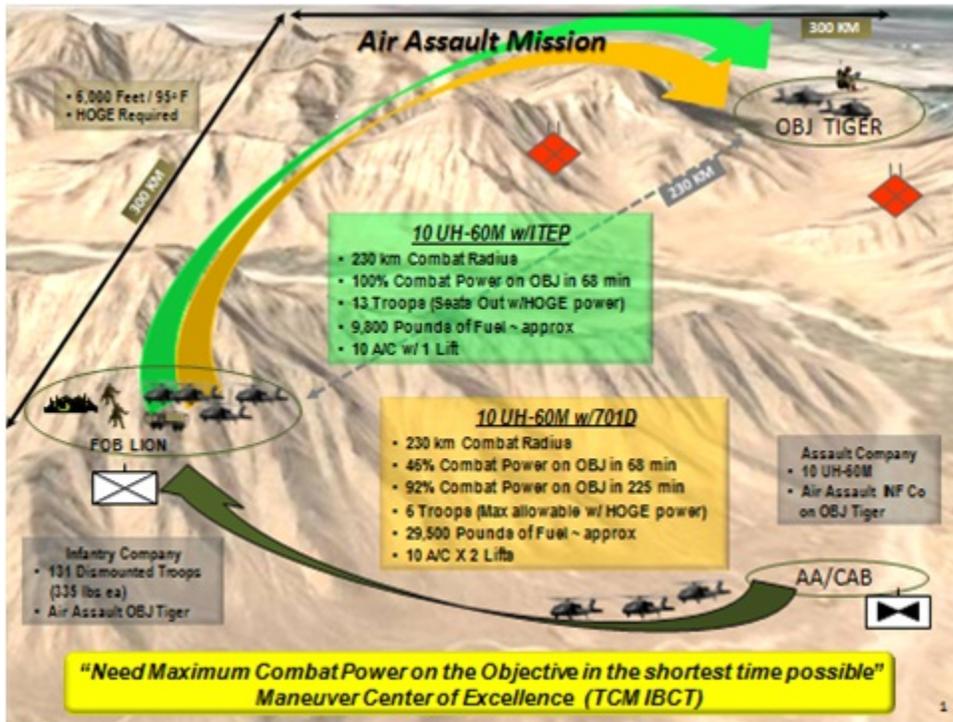
6.1.1.5.3 General Support Services

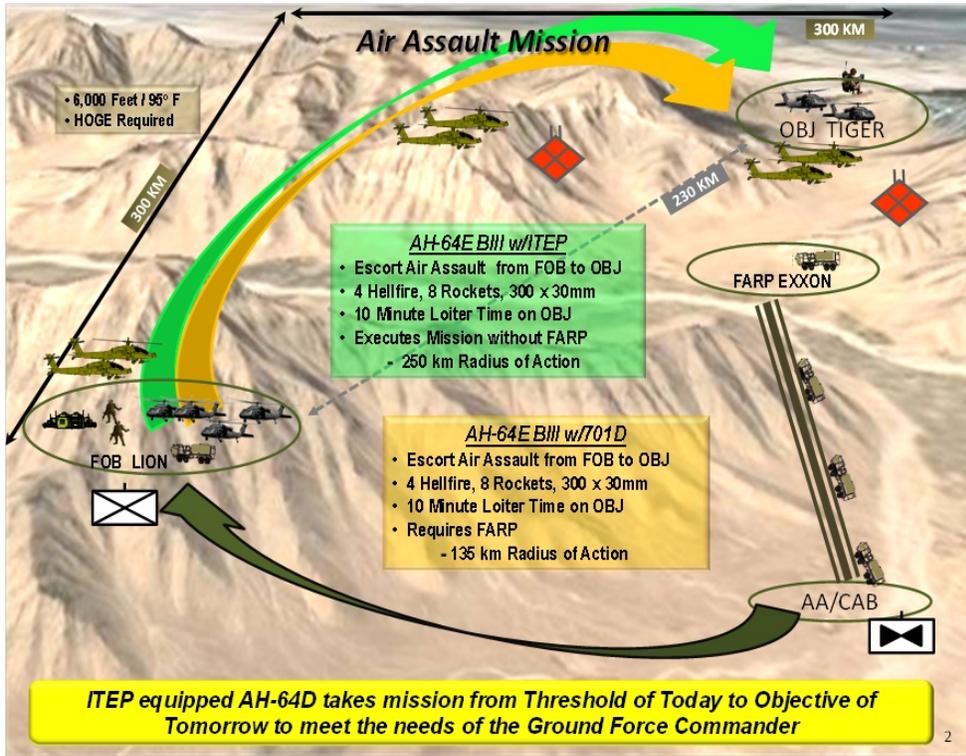
The PM ITEP is responsible for coordinating Army or contractor support and funding for the required general support services throughout the life cycle of the ITEP.

6.1.2 Architectures and Standards Component

Architectures and standards will provide the means to ensure integration and interoperability across product lines to support the ITEP. Architectures are the structure of ITEP training components, their relationship, and the principles and guidelines governing their design and evolution over time. They will be the framework that describes missions, organizations, and systems; specifies interfaces and interrelationships amongst its various parts; and facilitates coordination and synchronization with internal and external interfaces. The ITEP training subsystem will be integrated in to three types of architectures-organization, functional, and systems-each of which may have operational, systems, and technical views.

6.1.2.1 Operational View (OV)





6.1.2.2 Systems View (SV)

6.1.2.3 Technical View (TV)

Training developed to support the ITEP will adhere to the numerous "rules" governing the development of training materials. Individual tasks will be developed to support the Army Training Information Architecture. Distributed training materials will be SCORM compliant. Materials developed to support future simulations will support High Level Architecture.

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

The MER processes will monitor the health and relevance of the ITEP in regards to the training subsystem, establish priorities, and align resources against those priorities. They use ITEP issues and feedback from the force to ensure decisions address real concerns from commanders and Soldiers. MFR processes will employ best business practices to plan, implement, and sustain the TSS. These processes consider both internal and external drivers that impact TSS and guide the development, maintenance, and sustainment of the TSS.

6.1.3.1 Management

Where possible, ITEP will use existing facilities and support infrastructure. The staff training estimate in support of ITEP will focus on the most efficient use of existing resources and precisely identify and quantify any expected shortfalls. Training development will focus on producing products that are capable of being used both in the institution and operational use. Students and evaluators will be routinely asked to evaluate training events and products to determine how best to improve the quality and efficiency of instruction while maximizing available resources.

6.1.3.1.1 Strategic Planning

Planning will be conducted in accordance with:

- The Army Plan and other Service plans
- Future force documentation
- TRADOC supporting plan to the Army Transformation Campaign Plan (ATCP)
- Training Support System Strategic Plan

6.1.3.1.2 Concept Development and Experimentation (CD&E)

ITEP ensures that UH-60 Black Hawks and AH-64E Apaches will have the necessary increased performance to meet the Army's Required Capability for enabling assured mobility and vertical maneuver. This RC includes Air Assault, Air Movement, and MEDEVAC operations. ITEP will increase range, speed, and/or payload, all of which close gaps in this RC. As depicted in Figures 3-1 and 3-2, The UH-60M Black Hawk, given an engine of similar weight, with an increase from 2000 to 3000 shaft horsepower (SHP), can potentially gain increased range, and payload at the conditions of 4000 ft Pressure Altitude and 95 Degrees Fahrenheit (4K/95), as well as at 6000 ft Pressure Altitude and 95 Degrees Fahrenheit (6K/95.)

6.1.3.1.3 Research and Studies

TSS efforts have no impact on the research and studies of the ITEP. A Training Needs Analysis and a deliberate Doctrine Organization Training Material Leadership Personnel Facilities (DOTMILPF) evaluation for the ITEP will be conducted as the program matures.

6.1.3.1.4 Policy and Guidance

Policy and guidance includes those efforts that provide the direction for TSS implementation, maintenance, and sustainment. Examples of policy documents that impact the TSS include—

- AR 350-1 and AR 350-38
- TRADOC Regulations 350-70 and 71-20
- TRADOC Pamphlet 71-20
- Command training guidance
- Doctrine (FMs 7-0, 7-1)

6.1.3.1.5 Requirements Generation

This STRAP supports the ITEP CDD dated xxxxxx

6.1.3.1.6 Synchronization

The fielding of ITEP will be synchronized with the following as applicable to ensure that NET occurs as units are fielded and with the following considerations:

- BOIP
- TADSS Distribution Plans
- Unit deployment rotations
- Power projection platforms
- Training institutions

6.1.3.1.7 Joint Training Support

There are no initiatives that support the alignment of the Army TSS with joint training support emplaced at this time.

6.1.3.2 Evaluation

128TH AVN BDE with support from HQ TRADOC and PM Aviation Systems will conduct periodic internal and external course and training evaluations.

6.1.3.2.1 Quality Assurance (QA)

QA plans will be utilized IAW 128TH AVN BDE existing QA plan to ensure proper course auditing is complete.

6.1.3.2.2 Assessments

When resources permit and 128TH AVN BDE Systems Integration Division (SID) has the manpower to support the Post-Fielding Training Effectiveness Analysis (PFTEA) processes, a PFTEA will be conducted not later than 18 months after First Unit Equipped (FUE). The SID, DTP&E, 128TH AVN BDE will conduct the analysis. The analysis will be conducted using a written survey developed by the NETT and selected ITEP SMEs. The survey will be distributed to units fielded the ITEP and will recognize the need for product or training improvements. The analysis includes coordinating the evaluations of POIs, LPs, and personnel selection criteria. The NETT analysis of demonstrated skills by unit personnel provides data for the evaluation. The data collected by the NETT and the results of the analysis will be staffed throughout 128TH AVN BDE. The PFTEA will recognize the need for product improvements and training improvements if required.

6.1.3.2.3 Customer Feedback

The following tools will be used to seek and receive feedback;

- written surveys
- interviews
- focus groups
- questionnaires

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

AARs will be used as described above to provide course material, as well as functional use evaluations.

6.1.3.3 Resource

The total cost of the RDT&E program is \$1,289.7M, of which \$579.8M is from FY15 - FY19. The program is fully funded through FY18, with an unfunded requirement in FY19. The PDR portion is estimated to be \$288.1M (FY16 - FY18). This cost includes the base cost of the PDR contract in FY16 - FY18, and the program office support staff for all three years. It does not include anticipated cost share burden paid by the selected vendors for the PDR contract, but rather represents the maximum amount of Government financial exposure.

The Product Manager (PM) for ITEP is responsible for funding all initial ITEP training and training support requirements. The PM is responsible for funding the self-development training strategy. As the ITEP concept matures, detailed resource data will be included in the training plan.

Program Funding & Quantities:		Acquisition to O&S Cost Ratio						(BY yyyy) Curr E	
PE 273744604 Aircraft Modifications/Product Improvement Project 604 Black Hawk Recapitalization/Modernization, Project 601 Improved Turbine Engine Program		Total Required Acq (BY\$M): - 0%						PAUC:	
		Total Required O&S (BY\$M): - 0%						APUC:	
(\$ in Millions / Then Year)	Prior	FY14	FY15	FY16	FY17	FY18	FY19	FY15-	
RDT&E									
Prior \$ (PB14 Lock)	25.8	79.9	87.6	172.0	180.3	340.1		78	
Current \$ (PB15)	24.3	79.9	39.3	49.2	101.9	137.0	129.6	45	
Delta \$ (Current - Prior)	(1.5)	(0.0)	(48.3)	(122.8)	(78.4)	(203.1)	129.6	(32)	
Required ¹ \$	24.3	79.9	39.3	49.2	101.9	137.0	252.4	57	
Delta \$ (Current - Required)	-	-	-	-	-	-	(122.8)	(12)	
PROCUREMENT									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
MILCON									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
SYSTEM O&M²									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
TOTAL									
Prior \$ (PB14 Lock)	25.8	79.9	87.6	172.0	180.3	340.1	-	78	
Current \$ (PB15)	24.3	79.9	39.3	49.2	101.9	137.0	129.6	45	
Delta \$ (Current - Prior)	(1.5)	(0.0)	(48.3)	(122.8)	(78.4)	(203.1)	129.6	(32)	
Required ¹ \$	24.3	79.9	39.3	49.2	101.9	137.0	252.4	57	
Delta \$ (Current - Required)	-	-	-	-	-	-	(122.8)	(12)	
QUANTITIES									
Prior Qty (PB14 Lock)	0	0	0	0	0	0	0	0	
Current \$ (PB15)	0	0	0	0	0	0	0	0	
Delta Qty (Current - Prior)	0	0	0	0	0	0	0	0	
Required ¹ Qty	0	0	0	0	0	0	0	0	
Delta Qty (Current - Required)	0	0	0	0	0	0	0	0	

Note 1. Requirement Source: Current Emerging POE

Note 2. O&M Costs Requirements are part of the Platform Flying Hour Program

7.0 Operational Training Domain

ITEP unit training will be conducted by unit commanders in accordance with Army Training and Evaluation Program (ARTEP) Mission Training Plans (AMTP), TMs, Soldiers Manuals and appropriate doctrinal and administrative publications.

Unit commanders have responsibility to:

- Ensure personnel are trained in risk mitigation procedures for the conduct of operations.
- Ensure deficiencies that can be attributed to formal training are reported to the appropriate service school(s) so corrective action can be initiated.
- Ensure that individual and collective task training is conducted on a regular basis for the Soldiers to maintain the required level of proficiency.
- Ensure institutional support is requested if training support is required.

7.1 Operational Training Concept and Strategy

The training of ITEP will be incorporated into existing unit training schedules and exercises. Collective unit/sustainment level training will be conducted using TSPs, TMs, extension training materials, Army Training and Evaluation Program (ARTEP) manuals, and the unit Mission Essential Task List (METL). There are no anticipated new collective tasks for ITEP.

7.1.1 Product Lines

The maintenance training course will include Interactive Multimedia Instruction, equipment oriented practical exercises and performance evaluations. Topics covered will be as a minimum, System Operation, Maintenance Concepts, Preventive Maintenance, Equipment Checkout, Troubleshooting, and appropriate corrective actions in accordance with the applicable TM.

7.1.1.1 Training Information Infrastructure

7.1.1.1.1 Hardware, Software, and Communications Systems

The use of Army Knowledge Online will support the dL concept and facilitate the dissemination and delivery of training support information. Additional material and updated items made available for institutional training will be available for download to support unit training.

7.1.1.1.2 Storage, Retrieval, and Delivery

Access and storage of ITE training and information will be made available through one or more of the following locations:

- The Army Learning Management System (ALMS)
- The Central Army Registry (CAR)
- The Digital Training Management System (DTMS)
- The Army Training Network (ATN)

7.1.1.1.3 Management Capabilities

ITEP training products and information will be managed through the Army Learning Policy and Systems (ALPS), DL, TDC, and the Automated Instructional Management System - Personal Computer (AIMS-PC) .

7.1.1.1.4 Other Enabling Capabilities

7.1.1.2 Training Products

Training products associated with Operational training are centered on those items utilized during NET and institutional training; the ITEP, simulations, and DL. These training products, which will be delivered with the NET TSP during the Unit NET. Training products (individual and collective tasks, drills, TSP's and CATS) will be developed, maintained, and stored in the current Army approved automated system for delivery to the operating forces through the Digital Training Management System (DTMS).

- DL - The ITEP will use state-of-the-art DL capabilities and link into the Distributive Learning System (DLS); an infrastructure which has been put in place by DoD to support initial and sustainment training in the home station and field environment. The DLS consists of modernized classrooms supporting IMI and Video Tele- Training (VTT) which have been pre-positioned at all Army installations. Utilizing satellite up and down link technology, deployable classrooms are available to support training in forward areas. In addition to the classrooms the DLS provides the Network Control Center (NCC) and Content Servers to make the IMI available to a Soldier when and where it is needed. DL provides the capability to enhance and sustain Total Army readiness by delivering standardized training to Soldiers and units at the right place and time using multiple delivery means and techniques. It accomplishes this by leveraging technology and training design efficiencies to provide more cost effective and efficient training. The most commonly used DL delivery techniques are:
 - Computer-Based Instruction - Refers to course materials presented and controlled by a computer that uses multiple requirements for student responses as a primary means of facilitating learning. It is essentially individualized, self-paced, or group interactive instruction combined with multimedia presentations.
 - Distributed Interactive Simulation - DIS is linking all types of unit training into the same network permitting wide-scale integration of various simulation systems and live training without regard to geographic limitations.
 - Video Tele-training - provides the means to distribute training to any

number of students simultaneously. Different methods of instruction may be used to present the training. Desktop Simulation - this is any representation or imitation of reality (abstract) and includes simulating part of a system, the operation of a system, and the environment in which the system will operate.

- Embedded Training - training that is provided by capabilities designed to be built into or added onto operational systems to enhance and maintain the skill proficiency necessary to operate and maintain that equipment. ET provides the capability to train a Soldier to standard using embedded training capabilities contained in the operational equipment.
- Operational training will be accomplished using the equipment being fielded along with the NET TSP, including the IMI TSP and is to be left with the unit following NET.

7.1.1.2.1 Courseware

Operational training courseware will be the same as provided during institutional training.

7.1.1.2.2 Courses

No formal courses will be provided that especially focuses on operational training other than those courses taught during institutional training. The institutional courses must be developed in such a way that commanders can add the training objectives to unit missions trained in both field and garrison environments.

7.1.1.2.3 Training Publications

All training materials, publications and technical manuals must be available through the Army publications system in both hard copies and digital formats.

7.1.1.2.4 TSP

The ITEP TSP will provide a structured training program that supports Soldier training and will be integrated into a training exercise. All validated TSPs will be loaded into the TDC database. TSPs will contain operator IMI in CD-ROM format. The Materiel Developer will provide a complete library of available ITEP related manuals, to include all related training.

7.1.1.3 TADSS

Sustainment training will be conducted on the fielded equipment.

7.1.1.3.1 Training Aids

Operational training equipment will include all training equipment available to the institution and should be provided during NET.

7.1.1.3.2 Training Devices

There are no Training Devices envisioned to support operational training. Sustainment training will be conducted on the fielded equipment.

7.1.1.3.3 Simulators

There are no Simulators envisioned to support operational training. Sustainment training will be conducted on the fielded equipment.

7.1.1.3.4 Simulations

There are no simulation requirements for unit level training on the ITEP. Sustainment training will be conducted on the fielded equipment.

7.1.1.3.5 Instrumentation

There is no instrumentation requirement for ITEP. Sustainment training will be conducted on the fielded equipment.

7.1.1.4 Training Facilities and Land

No new training facilities or land have been identified for the ITEP.

7.1.1.4.1 Ranges

No range requirement exist for the ITEP.

7.1.1.4.2 Maneuver Training Areas (MTA)

No MTA requirement exists for the ITEP.

7.1.1.4.3 Classrooms

No additional classroom space will be required outside of the institutional training environment at this time.

7.1.1.4.4 CTCs

There are no CTC requirements envisioned to support operational training.

7.1.1.4.5 Logistics Support Areas

Logistics support areas are facilities used for logistics processing, support, storage and staging. The individual unit is responsible for storing systems, both classified and unclassified.

7.1.1.4.6 Mission Command Training Centers (MCTC)

Not Applicable

7.1.1.5 Training Services

- The PM ITEP is responsible for the New Equipment Training Plan (NETP). The 128th AVN BDE training developers will input the appropriate training requirements into the System Training Plan (STRAP).
- The PM ITEP must provide resources for the most cost-effective training program and strategies for operators and maintainers. These must be determined as early as possible in the program, and ensure that the training enables those Soldiers to achieve the performance levels required for the ITEP and as specified in the requirement documents.
- Embedded training will not adversely impact the operational requirements or capabilities of the system. The requirement should be identified early in the Life Cycle Management Model (LCMM) enough to be incorporated into proto-type designs that analyze its capability to train individual tasks through force-level collective tasks, as required.
- The PM ITEP will provide required training equipment and I&KPT prior to the resident training start date as part of the New Equipment Training Plan (NETP) requirement. Training is to be developed and funded by The PM ITEP.

7.1.1.5.1 Management Support Services

The PM ITEP must coordinate funding for the life cycle of the ITEP. Standard Army management support services are available throughout the Army support system related requirements.

7.1.1.5.2 Acquisition Support Services

DLXXI Contract management services and other contract vehicles are a standard provided system for support. PM ITEP must coordinate funding for the life cycle of the ITEP.

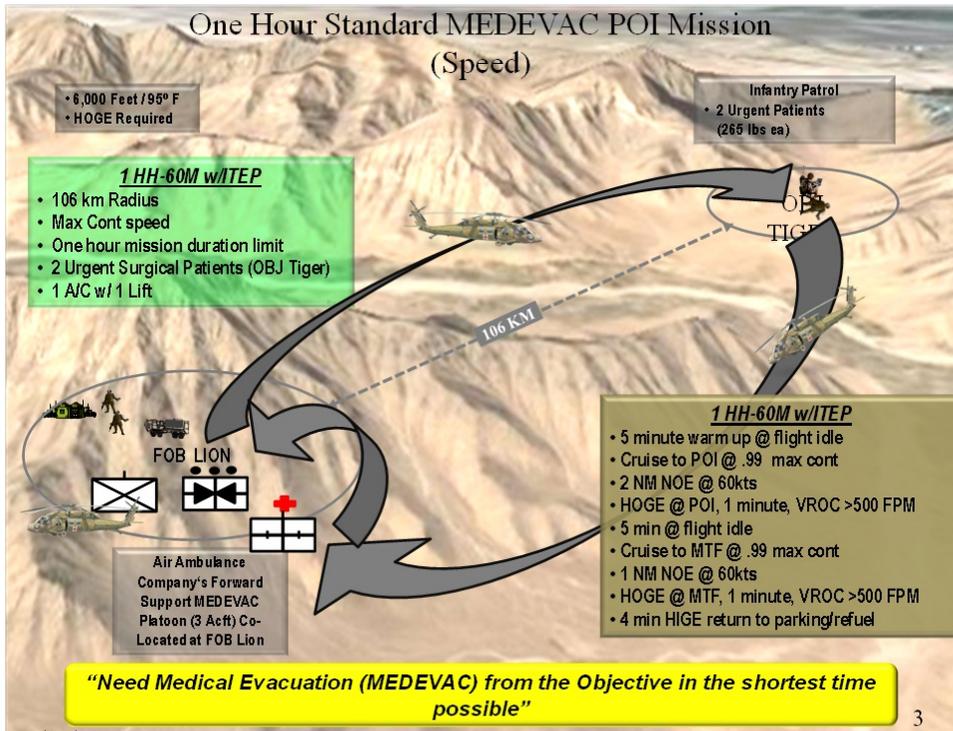
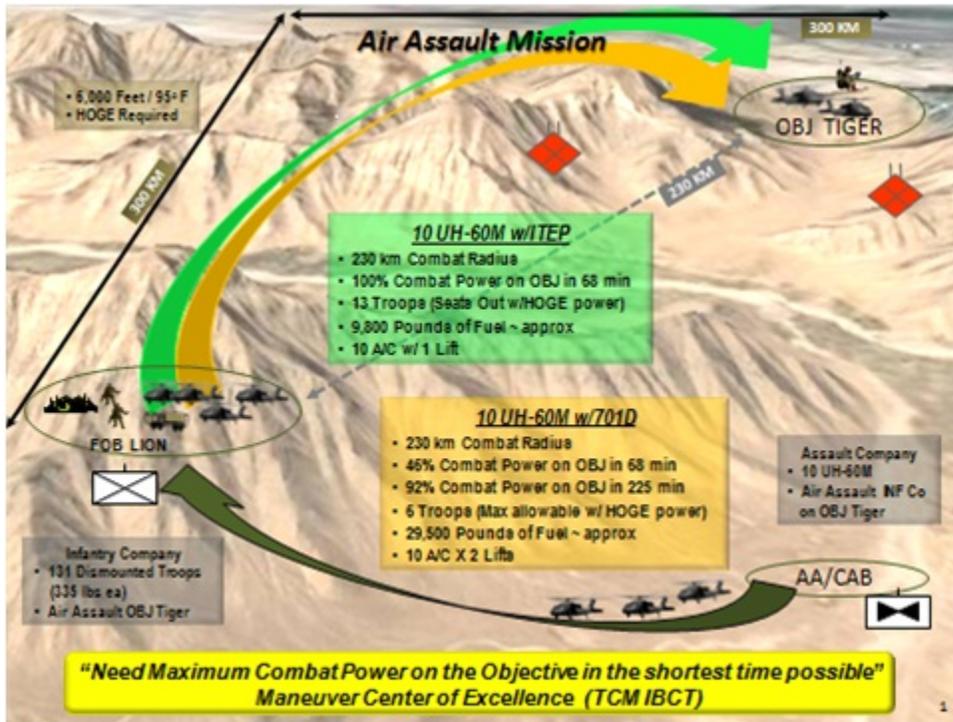
7.1.1.5.3 General Support Services

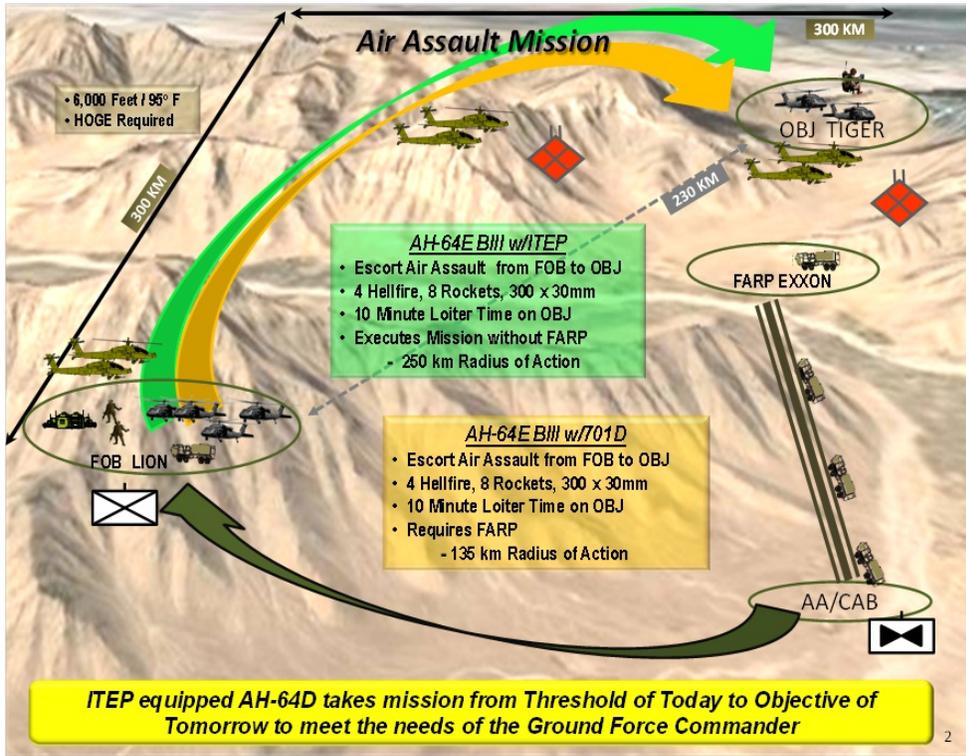
The PM ITEP is responsible for coordinating Army or contractor support and funding for the required general support services throughout the life cycle of the ITEP.

7.1.2 Architectures and Standards Component

No architecture and standards component requirements exist for the ITEP.

7.1.2.1 Operational View (OV)





7.1.2.2 Systems View (SV)

No SV requirements exist for the ITEP.

7.1.2.3 Technical View (TV)

No TV requirements exist for the ITEP.

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

Where possible, training capabilities developed to support ITEP will use existing facilities and support infrastructure. Training analyses in support of ITEP will focus on the most efficient use of existing resources and precisely identify and quantify any expected shortfalls. Commanders use a combination of LVCG-ITE to create a realistic training environment, optimize training time, and mitigate live resource shortfalls. While developed predominately for use in the self-development domain, computer-based ASE training will be designed in such a way that it can also be used to support training in the institutional and operational domains.

To determine how to best improve the quality and efficiency of instruction and training, students and instructors will be routinely asked to evaluate training events and products. This allows the 128th to provide the best quality of training with the least expenditure of resources.

7.1.3.1 Management

Where possible, ITEP will use existing facilities and support infrastructure. The staff training estimate in support of ITEP will focus on the most efficient use of existing resources and precisely identify and quantify any expected shortfalls. Training development will focus on producing products that are capable of being used both in the institution and operational use. Students and evaluators will be routinely asked to evaluate training events and products to determine how best to improve the quality and efficiency of instruction while maximizing available resources.

7.1.3.1.1 Strategic Planning

There are no requirements that include the ITEP in the strategic planning process.

7.1.3.1.2 Concept Development and Experimentation (CD&E)

ITEP ensures that UH-60 Black Hawks and AH-64E Apaches will have the necessary increased performance to meet the Army's Required Capability for enabling assured mobility and vertical maneuver. This RC includes Air Assault, Air Movement, and MEDEVAC operations. ITEP will increase range, speed, and/or payload, all of which close gaps in this RC. As depicted in Figures 3-1 and 3-2, The UH-60M Black Hawk, given an engine of similar weight, with an increase from 2000 to 3000 shaft horsepower (SHP), can potentially gain increased range, and payload at the conditions of 4000 ft Pressure Altitude and 95 Degrees Fahrenheit (4K/95), as well as at 6000 ft Pressure Altitude and 95 Degrees Fahrenheit (6K/95.)

7.1.3.1.3 Research and Studies

7.1.3.1.4 Policy and Guidance

Policy and guidance includes those efforts that provide the direction for TSS implementation, maintenance, and sustainment. Examples of policy documents that impact the TSS include—

- AR 350-1 and AR 350-38
- TRADOC Regulations 350-70 and 71-20
- TRADOC Pamphlet 71-20
- Command training guidance
- Doctrine (FMs 7-0, 7-1)

7.1.3.1.5 Requirements Generation

This STRAP supports the ITEP CDD dated xxxxxx

7.1.3.1.6 Synchronization

The fielding of ITEP will be synchronized with the following as applicable to ensure that NET occurs as units are fielded and with the following considerations:

- Unit deployment rotations
- Power projection platforms
- Training institutions

7.1.3.1.7 Joint Training Support

There are no initiatives that support the alignment of the Army TSS with joint training support emplaced at this time.

7.1.3.2 Evaluation

128TH AVN BDE with support from HQ TRADOC and PM ITEP Aviation Systems will conduct periodic internal and external course and training evaluations.

7.1.3.2.1 Quality Assurance (QA)

QA plans will be utilized IAW 128TH AVN BDE existing QA plan to ensure proper course auditing is complete.

7.1.3.2.2 Assessments

When resources permit and 128TH AVN BDE Systems Integration Division (SID) has the manpower to support the Post-Fielding Training Effectiveness Analysis (PFTEA) processes, a PFTEA will be conducted not later than 18 months after First Unit Equipped (FUE). The SID, DTP&E, 128TH AVN BDE will conduct the analysis. The analysis will be conducted using a written survey developed by the NETT and selected ITEP SMEs. The survey will be distributed to units fielded the ITEP and will recognize the need for product or training improvements. The analysis includes coordinating the evaluations of POIs, LPs, and personnel selection criteria. The NETT analysis of demonstrated skills by unit personnel provides data for the evaluation. The data collected by the NETT and the results of the analysis will be staffed throughout 128TH AVN BDE. The PFTEA will recognize the need for product improvements and training improvements if required.

7.1.3.2.3 Customer Feedback

The following tools will be used to seek and receive feedback;

- written surveys
- interviews
- focus groups
- questionnaires

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

AARs will be used as described above to provide course material, as well as functional use evaluations.

7.1.3.3 Resource Processes

The total cost of the RDT&E program is \$1,289.7M, of which \$579.8M is from FY15 - FY19. The program is fully funded through FY18, with an unfunded requirement in FY19. The PDR portion is estimated to be \$288.1M (FY16 - FY18). This cost includes the base cost of the PDR contract in FY16 - FY18, and the program office support staff for all three years. It does not include anticipated cost share burden paid by the selected vendors for the PDR contract, but rather represents the maximum amount of Government financial exposure.

The Product Manager (PM) for ITEP is responsible for funding all initial ITEP training and training support requirements. The PM is responsible for funding the self-development training strategy. As the ITEP concept matures, detailed resource data will be included in the training plan.

Program Funding & Quantities:		Acquisition to O&S Cost Ratio						(BY yyyy) Curr E	
PE 273744604 Aircraft Modifications/Product Improvement Project 604 Black Hawk Recapitalization Modernization, Project 601 Improved Turbine Engine Program		Total Required Acq (BY\$M): - 0%						PAUC:	
		Total Required O&S (BY\$M): - 0%						APUC:	
(\$ in Millions / Then Year)	Prior	FY14	FY15	FY16	FY17	FY18	FY19	FY15-	
RDT&E									
Prior \$ (PB14 Lock)	25.8	79.9	87.6	172.0	180.3	340.1		78	
Current \$ (PB15)	24.3	79.9	39.3	49.2	101.9	137.0	129.6	45	
Delta \$ (Current - Prior)	(1.5)	(0.0)	(48.3)	(122.8)	(78.4)	(203.1)	129.6	(32)	
Required ¹ \$	24.3	79.9	39.3	49.2	101.9	137.0	252.4	57	
Delta \$ (Current - Required)	-	-	-	-	-	-	(122.8)	(12)	
PROCUREMENT									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
MILCON									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
SYSTEM O&M²									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
TOTAL									
Prior \$ (PB14 Lock)	25.8	79.9	87.6	172.0	180.3	340.1	-	78	
Current \$ (PB15)	24.3	79.9	39.3	49.2	101.9	137.0	129.6	45	
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Required ¹ \$	24.3	79.9	39.3	49.2	101.9	137.0	252.4	57	
Delta \$ (Current - Required)	-	-	-	-	-	-	(122.8)	(12)	
QUANTITIES									
Prior Qty (PB14 Lock)	0	0	0	0	0	0	0	0	
Current Qty (PB15)	0	0	0	0	0	0	0	0	
Delta Qty (Current - Prior)	0	0	0	0	0	0	0	0	
Required ¹ Qty	0	0	0	0	0	0	0	0	
Delta Qty (Current - Required)	0	0	0	0	0	0	0	0	

Note 1. Requirement Source: Current Emerging POE

Note 2. O&M Costs Requirements are part of the Platform Flying Hour Program

8.0 Self-Development Training Domain

Self development training will be through Interactive Multimedia Instruction, Technical Manuals, Soldiers Manual, and appropriate doctrinal and administrative publications delivered in a stand alone mode or via DL. Ensure personnel are trained in risk mitigation procedures for the conduct of operations.

8.1 Self-Development Training Concept and Strategy

Personnel remain MOS qualified and will utilize the Individual Training Plan (ITP) for their respective MOS. Self-development is a function of the MOS ITP. There are no current self-development issues identified.

8.1.1 Product Lines

The maintenance and operator training for self development will be by Interactive Multimedia Instruction and/or DL. Topics covered will be as a minimum, System Operation, Maintenance Concepts, Preventive Maintenance, Equipment Checkout, Troubleshooting, and appropriate corrective actions in accordance with the applicable TM.

8.1.1.1 Training Information Infrastructure

8.1.1.1.1 Hardware, Software, and Communications Systems

The use of Army Knowledge Online will support the DL concept and facilitate the dissemination and delivery of training support information. Additional material and updated items are to be made available for dissemination at the institution as well as for download.

8.1.1.1.2 Storage, Retrieval, and Delivery

Access and storage of ITEP training and information will be made available through one or more of the following locations:

- Army Distributed Learning (DL)
- Army Knowledge Online (AKO)

8.1.1.1.3 Management Capabilities

ITEP training products and information will be managed through the Army Learning Policy and Systems (ALPS), DL, TDC, and the Automated Instructional Management System - Personal Computer (AIMS-PC) .

8.1.1.1.4 Other Enabling Capabilities

None at this time.

8.1.1.2 Training Products

Providing training equipment and other essential training products to the training center and school in time to prepare Soldiers for initial system fielding is the key to successful training. The equipment and products must maintain interoperability with the future modular force training systems. The Materiel Developer will consider exportable Interactive Multimedia Instruction (IMI), DL and train-the-trainer. For the live FTX portion of the unit training and sustainment in the field, components will employ embedded training capabilities, be multimedia based, and/or use distance-learning technologies. The subsystem will contain (as a minimum) doctrinal manuals, system ETM, TMs, and IMI. The package will be coordinated with 128th AVN BDE training developers. This process will facilitate the production of training support products for delivery with the Training Support System and the ability to rapidly update tasks and their instructional products using digital information systems.

8.1.1.2.1 Courseware

IMI products, up to and including Level 4 will be used to provide training for Individual.

8.1.1.2.2 Courses

8.1.1.2.3 Training Publications

The Materiel Developer will develop training products in coordination with the proponent. All TMs, user manuals, and Soldier Training Publications (STP) shall be created in both hard copies and software versions and available to the Soldier during NET, institutional training and downloadable from an AKO site. The ITEP TSP will provide a structured training program that supports Soldier/Leader and staff training. All task development will be completed using the consolidated TDC database or any doctrinal analysis database that will replace the TDC system in the future. This will facilitate the production of training support products for delivery with the Training Support System (TSS) and the ability to rapidly update tasks and their instructional products using digital information.

8.1.1.2.4 Training Support Package (TSP)

The ITEP TSP will provide a structured training program that supports Soldier training and will be integrated into a training exercise. All validated TSPs will be loaded into the TDC database. TSPs will contain operator IMI in CD-ROM format. The Materiel Developer will provide a complete library of available ITEP related manuals, to include all related training.

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

Not Applicable

8.1.1.4 Training Facilities and Land

Not Applicable

8.1.1.5 Training Services

Not Applicable

8.1.2 Architectures and Standards Component

Not Applicable

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

Where possible, training capabilities developed to support ITEP's self-development training and staff training will use existing facilities and support infrastructure. The staff training estimate in support of the ITEP will focus on the most efficient use of existing resources and precisely identify and quantify any expected shortfalls. Training development will focus on producing products that are capable of being used in the institutional, operational, and self-development training domains and focused only on mission critical tasks.

8.1.3.1 Management

Not Applicable

8.1.3.2 Evaluation

128th AVN BDE with support from HQ TRADOC and the PM ITEP will conduct periodic internal and external course and training evaluations.

8.1.3.2.1 Quality Assurance (QA)

QA plans will be utilized IAW 128th AVN BDE existing QA plan to ensure proper course auditing is complete.

8.1.3.2.2 Assessments

8.1.3.2.3 Customer Feedback

The following tools will be used to seek and receive feedback;

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- interviews
- focus groups
- questionnaires

8.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

8.1.3.3 Resource Processes

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The Product Manager (PM) for ITEP is responsible for funding all initial ITEP training and training support requirements. The PM is responsible for funding the self-development training strategy. As the ITEP concept matures, detailed resource data will be included in the training plan.

Program Funding & Quantities:		Acquisition to O&S Cost Ratio						(BY yyyy)	Curr E
PE 273744604 Aircraft Modifications/Product Improvement Project 604 Black Hawk Recapitalization/Modernization, Project 601 Improved Turbine Engine Program		Total Required Acq (BY\$M): - 0%						PAUC:	
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(\$ in Millions / Then Year)	Prior	FY14	FY15	FY16	FY17	FY18	FY19	FY15-	
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Required ¹ \$	24.3	79.9	39.3	49.2	101.9	137.0	252.4	57	
Delta \$ (Current - Required)	-	-	-	-	-	-	(122.8)	(12)	
PROCUREMENT									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
MILCON									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
SYSTEM O&M²									
Prior \$ (PB14 Lock)	-	-	-	-	-	-	-	-	
Current \$ (PB15)	-	-	-	-	-	-	-	-	
Delta \$ (Current - Prior)	-	-	-	-	-	-	-	-	
Required ¹ \$	-	-	-	-	-	-	-	-	
Delta \$ (Current - Required)	-	-	-	-	-	-	-	-	
TOTAL									
Prior \$ (PB14 Lock)	25.8	79.9	87.6	172.0	180.3	340.1	-	78	
Current \$ (PB15)	24.3	79.9	39.3	49.2	101.9	137.0	129.6	45	
Delta \$ (Current - Prior)	(1.5)	(0.0)	(48.3)	(122.8)	(78.4)	(203.1)	129.6	(32)	
Required ¹ \$	24.3	79.9	39.3	49.2	101.9	137.0	252.4	57	
Delta \$ (Current - Required)	-	-	-	-	-	-	(122.8)	(12)	
QUANTITIES									
Prior Qty (PB14 Lock)	0	0	0	0	0	0	0	0	
Current Qty (PB15)	0	0	0	0	0	0	0	0	
Delta Qty (Current - Prior)	0	0	0	0	0	0	0	0	
Required ¹ Qty	0	0	0	0	0	0	0	0	
Delta Qty (Current - Required)	0	0	0	0	0	0	0	0	

Note 1. Requirement Source: Current Emerging POE

Note 2. O&M Costs Requirements are part of the Platform Flying Hour Program

A Milestone Annex

<p>TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET A</p>		<p>PAGE 1 of 1 PAGES</p>	<p>Materiel Requirements Document</p>	
<p>SYSTEM ITEP</p>	<p>ACAT</p>	<p>OFFICE SYMBOL ATZQ-ALO</p>	<p>AS OF DATE</p>	
<p>POINTS OF CONTACT</p>	<p>NAME</p>	<p>OFFICE SYMBOL</p>	<p>TELEPHONE</p>	
<p>MATERIEL COMMAND AMCOM</p>				
<p>TRADOC PROPONENT</p>	<p>USAACE</p>			
<p>128th AVN BDE S3:</p>	<p>LTC Hopingardner</p>	<p>ATZQ-ALO</p>	<p>757-878-6627 DSN: 826</p>	
<p>128th AVN BDE S3 SID:</p>	<p>Mr. Tisdale</p>	<p>ATZQ-ALO-S</p>	<p>757-878-4932 DSN: 826</p>	
<p>SUPPORTING PROPONENTS:</p>	<p>128th AVN BDE</p>			
<p>TCM:</p>	<p>MAJ Stanley</p>	<p>ATZQ-TCM-LIFT</p>	<p>334-255-1130 DSN: 558</p>	

	CD:			
	TD:	Mr. Hunt	ATZQ-ALO-S	757-878-6964 DSN: 826
ITEM	DATE	RESPONSIBLE AGENCY/POC OFFICE SYMBOL	TELEPHONE	
ICD:				
SMMP:				
CDD:		CPT Fennell	ATZQ-TCM-LIFT	334-255-3632 DSN: 558
CPD:				
ILSMP:				
TTSP:		Mr. Hunt	ATZQ-ALO-S	757-878-6964 DSN: 826
QQPRI:				
BOIP:				
NETP:				

COMMENTS: (Continue on reverse side if necessary)

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B				PAGE 1 OF 6 PAGES				Materiel Requirements Document									
SYSTEM ITEP				TRADOC SCHOOL USAACE				AS OF DATE									
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - 15B10																	
LEGEND:		MILESTONES BY QUARTER															
		FY xx				FY xx				FY xx				FY xx			
		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Initial ITP submitted																	
Annotated task list submitted																	
CAD submitted																	

ITP															
POI submitted Note (1)															
Resident course start date Note (2)															

NOTES: Use one sheet for each Training Element or product and use as many sheets as required for a complete list.

- COMMENTS: Note:
1. POI will be submitted one year prior to the beginning of institutional training.
 2. Resident training is scheduled to begin 4QTR FYxx, one year after FUE.
 3. Due to aircraft fielding adjustments dates are subject to change.

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B				PAGE 2 OF 6 PAGES				Materiel Requirements Document								
SYSTEM ITEP				TRADOC SCHOOL 128th AVN BDE				AS OF DATE								
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - 15B120/30																
LEGEND:	MILESTONES BY QUARTER															
	FY xx				FY xx				FY xx				FY xx			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Initial ITP submitted																
Annotated task list submitted																
CAD submitted																
ITP																
POI submitted Note (1)																
Resident course start date Note (2)																

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2. Resident training is scheduled to begin 4QTR FYxx, one year after FUE.
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TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B				PAGE 3 OF 6 PAGES				Materiel Requirements Document											
SYSTEM ITEP				TRADOC SCHOOL 128th AVN BDE				AS OF DATE											
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - 15R10																			
LEGEND:				MILESTONES BY QUARTER															
				FY xx				FY xx				FY xx				FY xx			
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Initial ITP submitted																			
Annotated task list submitted																			
CAD submitted																			
ITP																			
POI submitted Note (1)																			
Resident course start date Note (2)																			

NOTES: Use one sheet for each Training Element or product and use as many sheets as required for a complete list.

COMMENTS: Note:

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2. Resident training is scheduled to begin 4QTR FYxx, one year after FUE.
3. Due to aircraft fielding adjustments dates are subject to change.

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B		PAGE 4 OF 6 PAGES	Materiel Requirements Document
SYSTEM ITEP	TRADOC SCHOOL 128th AVN BDE		AS OF DATE
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - 15R20/30			
LEGEND:	MILESTONES BY QUARTER		

	FY 12				FY 13				FY 14				FY 15			
	1Q	2Q	3Q	4Q												
Initial ITP submitted																
Annotated task list submitted				X												
CAD submitted	X															
ITP					X											
POI submitted Note (1)												X				
Resident course start date Note (2)																X

NOTES: Use one sheet for each Training Element or product and use as many

sheets as required for a complete list.

COMMENTS: Note:

1. POI will be submitted one year prior to the beginning of institutional training.
2. Resident training is scheduled to begin 4QTR FYxx, one year after FUE.
3. Due to aircraft fielding adjustments dates are subject to change.

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B				PAGE 5 OF 6 PAGES				Materiel Requirements Document											
SYSTEM				TRADOC SCHOOL								AS OF DATE							
ITEP				128th AVN BDE															
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - 15T10																			
LEGEND:				MILESTONES BY QUARTER															
				FY 12				FY 13				FY 14				FY 15			
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Initial ITP																			

submitted															
Annotated task list submitted															
CAD submitted															
ITP															
POI submitted Note (1)															
Resident course start date Note (2)															

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COMMENTS: Note:

1. POI will be submitted one year prior to the beginning of institutional training.

2. Resident training is scheduled to begin 4QTR FYxx, one year after FUE.
3. Due to aircraft fielding adjustments dates are subject to change.

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B				PAGE 6 OF 6 PAGES				Materiel Requirements Document								
SYSTEM ITEP				TRADOC SCHOOL 128th AVN BDE				AS OF DATE July 2013								
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - 15T20/30																
LEGEND:	MILESTONES BY QUARTER															
	FY 12				FY 13				FY 14				FY 15			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Initial ITP submitted																
Annotated task list submitted				X												
CAD submitted	X															
ITP					X											
POI submitted Note (1)													X			

B References

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v1.2.3 James E Baker 2015/01/12 - 2015/01/22	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.2 Approvals - Robert A Story 2015/01/12 - 2015/01/22	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.2 Approvals - Wesley Easley 2015/01/05 - 2015/01/15	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.2 Approvals - Steve R Tisdale 2015/01/05 - 2015/01/15	Document Accepted As Written			0	0	0	0	0	0	-
v1.2.1 Approvals - Wesley Easley 2014/12/04 - 2014/12/14	No Comments Submitted			0	0	0	0	0	0	-
v1.2.1 Approvals - Steve R Tisdale 2014/11/24 - 2014/12/04	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - USAACE - Aviation School 2014/09/25 -	Document Accepted As			0	0	0	0	0	0	-

2014/10/25	Written									
v1.2 Army - SCoE 2014/09/25 - 2014/10/25	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - PEO Aviation 2014/09/25 - 2014/10/25	2	8	0	2	6	0	0	2	0	
v1.2 Army - MSCoE - MANSCEN 2014/09/25 - 2014/10/25	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - MCoE - Infantry & Armor School 2014/09/25 - 2014/10/25	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - ICoE - Mil Intelligence School 2014/09/25 - 2014/10/25	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - FCoE - Field Artillery 2014/09/25 - 2014/10/25	Document Accepted As Written			0	0	0	0	0	0	-
v1.2 Army - CYBER CoE - Signal School 2014/09/25 - 2014/10/25	No Comments Submitted			0	0	0	0	0	0	-
v1.2 Army - Combined Arms	No Comments			0	0	0	0	0	0	-

Center 2014/09/25 - 2014/10/25	Submitted									
vl.2 Army - CAC-T; Training Management Dir 2014/09/25 - 2014/10/25	0	3	0	0	0	0	0	3	0	
vl.2 Army - ATSC Fielded Devices 2014/09/25 - 2014/10/25	No Comments Submitted			0	0	0	0	0	0	-
vl.2 Army - AMEDD Center & School 2014/09/25 - 2014/10/25	Document Accepted As Written			0	0	0	0	0	0	-
vl.1 Peer - USAACE - Aviation School 2014/07/17 - 2014/08/16	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - Transportation School 2014/07/17 - 2014/08/16	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - CYBER CoE - OCOS 2014/07/17 - 2014/08/16	Document Accepted As Written			0	0	0	0	0	0	-
vl.1 Peer - SCoE 2014/07/17 - 2014/08/16	No Comments Submitted			0	0	0	0	0	0	-
vl.1 Peer - MSCoE - MANSCEN 2014/07/17 -	Document Accepted As			0	0	0	0	0	0	-

2014/08/16	Written									
vl.1 Peer - MCoE - Infantry & Armor School 2014/07/17 - 2014/08/16	Document Accepted As Written	0	0	0	0	0	0	0	-	
vl.1 Peer - Legal Center/School 2014/07/17 - 2014/08/16	No Comments Submitted	0	0	0	0	0	0	0	-	
vl.1 Peer - ICoE - Mil Intelligence School 2014/07/17 - 2014/08/16		21	6	0	14	4	0	7	2	0
vl.1 Peer - FCoE- ADA School 2014/07/17 - 2014/08/16	Document Accepted As Written	0	0	0	0	0	0	0	0	-
vl.1 Peer - FCoE - Field Artillery 2014/07/17 - 2014/08/16	Document Accepted As Written	0	0	0	0	0	0	0	0	-
vl.1 Peer - ATSC Fielded Devices 2014/07/17 - 2014/08/16	No Comments Submitted	0	0	0	0	0	0	0	0	-
vl.1 Peer - AMEDD Center & School 2014/07/17 - 2014/08/16	Document Accepted As Written	0	0	0	0	0	0	0	0	-

Key

Completed Review with Comments

Completed Review, No Comments

Active Review Occurring

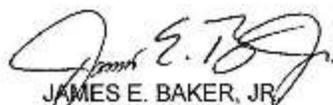
ATZQ-TD

JAN 14 2015

MEMORANDUM FOR RECORD

SUBJECT: Approval of the System Training Plan (STRAP) for the Improved Turbine Engine Program (ITEP)

1. Reference: System Training Plan, Improved Turbine Engine Program (ITEP).
2. The STRAP for the Improved Turbine Engine Program (ITEP) is approved. Approved STRAP will be posted to the Central Army Registry (CAR) website. This STRAP can be found at the following web address: <http://www.adtdl.army.mil/>.
3. The DOTD POC for this action is: Mr. Andrew Lecuyer, 334-255-2584 DSN (558) email: andrew.b.lecuyer.civ@mail.mil, U.S. Army Aviation Center of Excellence, ATTN: ATZQ-TDT-N, Fort Rucker, AL 36362-5202.


JAMES E. BAKER, JR.
Colonel, Aviation
Director of Training and Doctrine

MemoofApproval