

# Training and Evaluation Outline Report

**Status: Approved**

**11 Feb 2015**

**Effective Date: 19 Oct 2016**

**Task Number:** 05-BN-0732

**Task Title:** Prepare an Air Base Damage Repair Estimate

**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD3** - This training product has been reviewed by the developers in coordination with the Fort Leonard Wood, MO foreign disclosure officer. This training product cannot be used to instruct international military students.

## Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-34.20	Countering Explosive Hazards	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf</a>	Yes	No
	NTRP 4-04.2.5/TM 3-34.42/AFPAM 32-1020/MCRP 3-17.7F	Construction Project Management ( <a href="HTTPS://NDLS.NWDC.NAVY.MIL">HTTPS://NDLS.NWDC.NAVY.MIL</a> ) ( <a href="https://armypubs.us.army.mil/doctrine/DR_pubs/dr_aa/pdf/tm3_34x42_PH_Navy.pdf">https://armypubs.us.army.mil/doctrine/DR_pubs/dr_aa/pdf/tm3_34x42_PH_Navy.pdf</a> )	Yes	No
	TC 5-340	Air Base Damage Repair (Pavement Repair).	Yes	Yes
	UFC 3-270-07	Unified Facilities Criteria (UFC) O&M: Airfield Damage Repair	Yes	No

**Conditions:** The mission command element has been directed to coordinate emergency and beyond-emergency repair of a war-damaged air base.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

**Dynamic Operational Environment:** Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

**Complex Operational Environment:** Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

**Single threat:** Regular, irregular, criminal or terrorist forces are present.

**Hybrid threat:** Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

Some iterations of this task should be performed in MOPP 4.

**Standards:** The S3 section prepares an area damage report estimate to include a Bill of Materials (BOM), an equipment and manpower estimate, and a Critical Path Method (CPM) for a war-damaged air base, where requirements exceed the Air Force's organic repair capability.

Note: Leaders are defined as the Commander, Deputy Commander, Command Sergeant Major, Master Sergeant, Battle Captain, Operations Sergeant, Section Sergeants, and Commanders of assigned/attached units (battalions and companies), S-1, S-2, S-3, S-4, Engineer Officer, Public Affairs Officer, S-6, and Command Judge Advocate.

**Live Fire Required:** No

**Objective Task Evaluation Criteria Matrix:**

Plan and Prepare		Execute					Assess		
Operational Environment	CO & BN	Training Environment (LW/C)	Training/Authorized % of Leaders Present at	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
Dynamic and Complex (4+ OE Variables and Hybrid Threat)	Day	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	<b>T</b>
			75-84%			80-90%		80-89%	<b>T-</b>
Dynamic (Single Threat)	Night		65-74%	75-79%	65-79%	<All	<=79%	<b>P</b>	
	Day		60-64%	60-74%	51-64%			<b>P-</b>	
Static (Single Threat)	Day		<=59%	<=59%	<=50%			<b>U</b>	

**Remarks:** None

**Notes:** None

**Safety Risk:** High

**Task Statements**

Cue: None

## DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

## WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

## CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

### Performance Steps and Measures

**NOTE:** Assess task proficiency using the task evaluation criteria matrix.

**NOTE:** Asterisks (\*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
* 1. The S3 section establishes a communications link with the air base.			
+* 2. The S3 sends a damage assessment team, consisting of:			
+ a. Explosive ordnance disposal (EOD) specialist.			
* b. Civil engineer specialist.			
* c. One or more augmenters to aid the assessment.			
+ 3. The team identifies the extent of the damage and estimates the repair requirements after the explosive ordnance disposal (EOD) specialist considers the area secure.			
a. Identifies the extent of the damage.			
b. Identifies the extent of the required repair.			
c. Communicates repair requirements as soon as they are determined, to reduce disruption caused by the damage.			
+ 4. The team prepares an air base damage repair estimate.			
+ a. Identifies and prioritizes damaged areas.			
+ b. Determines the required specialized support that is beyond the Air Force's organic capability.			
+ c. Identifies other requirements, that might have been overlooked.			
+ d. Prepares a BOM and a CPM.			
+ e. Requests required augmentation support assets from higher echelons, if required.			
+ 5. The assessment team finalizes the area damage report estimate and submits it to higher headquarters (HQ).			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

**ITERATION:** 1 2 3 4 5 M

**COMMANDER/LEADER ASSESSMENT:** T P U

**Mission(s) supported:** None

**MOPP 4:** Sometimes

**MOPP 4 Statement:** None

**NVG:** Never

**NVG Statement:** None

**Prerequisite Collective Task(s):**

Step Number	Task Number	Title	Proponent	Status
	05-CO-0007	Prepare an Operation Order (OPORD)	05 - Engineers (Collective)	Approved
	05-CO-5001	Perform Project Management	05 - Engineers (Collective)	Approved

**Supporting Collective Task(s):**

Step Number	Task Number	Title	Proponent	Status
	71-BN-5100	Conduct the Mission Command Operations Process for Battalions	71 - Combined Arms (Collective)	Approved
3.	05-PLT-1720	Conduct an Airfield Search for Explosive Hazards (EH)	05 - Engineers (Collective)	Approved
3.	05-CO-1702	Manage Explosive Hazard (EH) Clearance of an Airfield	05 - Engineers (Collective)	Approved

**OPFOR Task(s):**

Task Number	Title	Status
71-CO-8510	OPFOR Disrupt	Approved

**Supporting Individual Task(s):**

Step Number	Task Number	Title	Proponent	Status
	052-12T-3400	Determine Requirements to Site Adapt a Standard Army Facilities Component System (AFCS) Drawing	052 - Engineer (Individual)	Approved
	052-192-3269	Direct an Explosive Hazard Reconnaissance Patrol	052 - Engineer (Individual)	Approved
	052-192-4525	Supervise Explosive Hazard Area Clearance Operations	052 - Engineer (Individual)	Approved
	052-204-2211	Develop a Bill of Materials (BOM) List	052 - Engineer (Individual)	Approved
	052-210-1248	Manage Geodetic Survey with Instrumentation	052 - Engineer (Individual)	Approved
	052-210-1249	Manage an Airfield Obstruction Survey	052 - Engineer (Individual)	Approved
	052-210-1250	Manage Real-Time Kinematic (RTK) Survey with DGPS	052 - Engineer (Individual)	Approved
	052-304-7109	Direct Airfield Damage Repair	052 - Engineer (Individual)	Approved

**Supporting Drill(s):** None

**Supported AUTL/UJTL Task(s):**

Task ID	Title
ART 4.1.7.1	Develop Infrastructure

**TADSS**

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

**Equipment (LIN)**

LIN	Nomenclature	Qty
No equipment specified		

**Materiel Items (NSN)**

NSN	LIN	Title	Qty
No materiel items specified			

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .