Training and Evaluation Outline Report

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31 Jul 2014
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Task Number: 05-CO-5001

Task Title: Perform Project Management

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Destruction Notice: None
Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MSCoE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-34.40	General Engineering (http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp3_34x40.pdf)	Yes	No
	FM 3-34	Engineer Operations http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_34.pdf	Yes	No
	NTRP 4-04.2.3/TM 3-34.41/AFPAM 32-1000	Construction Estimating (HTTPS://NDLS.NWDC.NAVY.MIL) https://armypubs.us.army.mil/doctrine/DR_pubs/dr_aa/pdf/tm3_34x41_PH_Navy.pdf	Yes	No
	NTRP 4-04.2.5/TM 3-34.42/AFPAM 32-1020/MCRP 3-17.7F	Construction Project Management (HTTPS://NDLS.NWDC.NAVY.MIL) (https://armypubs.us.army.mil/doctrine/DR_pubs/dr_aa/pdf/tm3_34x42_PH_Navy.pdf)	Yes	Yes

Conditions: The element receives a construction directive. The construction directive includes plans and specifications. Organic equipment and tools essential for the successful completion of the project are on hand.

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.

This task should not be trained in MOPP 4.

Standards: The element follows the logical sequence of the project management process and manages resources to complete the task according to plans outlined in the construction directive.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess
Operational Environment		Training Environment (L/V/C)	% of Leaders Present at Training/Authorized	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
CO & BN									
Dynamic and Complex (4+ OE Variables and Hybrid Threat)	Day	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	**T**
			75-84%			80-90%		80-89%	**T-**
Dynamic (Single Threat)			65-74%	75-79%	No	65-79%			**P**
			60-64%	60-74%		51-64%	<All	<=79%	**P-**
Static (Single Threat)			<=59%	<=59%		<=50%			**U**

Remarks: None

Notes: None

Safety Risk: Low

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 element conducts preliminary planning.			
+ a. Analyzes construction directive issued.			
+ b. Determines project timeline.			
+ c. Develops level II Gantt chart or critical path method (CPM).			
+ d. Determines personnel assigments.			
+ 2. The element conducts detailed planning.			
+ a. Conducts site visit.			
+ b. Develops construction activities list ensuring no items are overlooked.			
+ c. Develops logic network.			
+ d. Estimates material quantities for the construction project.			
(1) Reviews plans and specifications.			
(2) Prepares and submits material take off list.			
(3) Prepares and submits bill of materials (BOM).			
+ e. Prepares level III gantt chart.			
f. Develops environmental protection plan.			
+ g. Develops project safety plan.			
+ h. Develops project quality control plan.			
+ 3. The element monitors and controls project site.			
+ a. Verifies that the logic network sequence is followed.			
b. Implements environmental protection plan.			
+ c. Implements project safety plan.			
+ d. Implements project quality control plan.			
+ e. Adjusts CPM if necessary with higher headquarters authorization.			
+ f. Redirects resources or activities that are ahead of schedule to activities that are behind.			
+* 4. The element leader reports all progress to higher headquarters.			

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: Never

MOPP 4 Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-1-0716	Prepare a Construction Estimate	05 - Engineers (Collective)	Approved
	05-1-5000	Plan General Engineering Support Missions	05 - Engineers (Collective)	Approved
	05-CO-5250	Perform Construction Operations	05 - Engineers (Collective)	Approved

Supporting Collective Task(s): None

OPFOR Task(s):

Task Number	Title	Status
71-2-9002	OPFOR Ambush(Company and below)	Approved
71-CO-9004	OPFOR Reconnaissance Attack (Company and below)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-204-2207	Conduct a Safety Briefing	052 - Engineer (Individual)	Approved
	052-204-2208	Conduct a Safety Inspection	052 - Engineer (Individual)	Approved
	052-204-2211	Develop a Bill of Materials (BOM) List	052 - Engineer (Individual)	Approved
	052-210-1001	Develop A Critical Path Method	052 - Engineer (Individual)	Approved
	052-210-1003	Determine Activity Duration and Resource Requirements	052 - Engineer (Individual)	Approved
	052-210-1008	Prepare/Review Bill of Materials	052 - Engineer (Individual)	Approved
	052-210-1010	Read/Interpret Construction Prints	052 - Engineer (Individual)	Approved
	052-210-1116	Perform Safety Inspections	052 - Engineer (Individual)	Approved
	052-210-1302	Enforce the Occupational Safety and Health Act in the Military Environment	052 - Engineer (Individual)	Approved
	052-239-3029	Schedule Work	052 - Engineer (Individual)	Approved
	052-243-3051	Develop Work Schedule	052 - Engineer (Individual)	Approved
	052-244-4205	Perform Electrical Project Management	052 - Engineer (Individual)	Approved
	052-244-4209	Perform Quality Assurance (QA) and/or Quality Control (QC) Duties	052 - Engineer (Individual)	Approved
	052-256-3052	Interpret a Critical Path Method (CPM)	052 - Engineer (Individual)	Approved
	052-256-4143	Schedule Work in a Construction Project	052 - Engineer (Individual)	Approved
	052-256-4161	Develop a Project Management Schedule Using the Critical Path Method (CPM)	052 - Engineer (Individual)	Approved
	052-256-4162	Resource-Constrain a Project	052 - Engineer (Individual)	Approved
	052-306-7103	Employ Project Management Techniques	052 - Engineer (Individual)	Approved
	052-306-7107	Develop Quality Control Plan for Army Tactical Construction Projects	052 - Engineer (Individual)	Approved
	052-306-7112	Inspect Construction Project Safety	052 - Engineer (Individual)	Approved
	052-708-9103	Conduct Project Management	052 - Engineer (Individual)	Approved
	091-WOA-2005	Employ Project Management Skills	091 - Ordnance (Individual)	Approved
	113-502-9006	Prepare a Project Management Plan for a Specific Business	113 - Signal (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 4.1.7	Provide General Engineering Support
ART 6.9.1	Conduct Risk Management

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. .