

Training and Evaluation Outline Report

Status: Approved

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Task Number: 05-CMD-0714

Task Title: Conduct an Infrastructure Assessment

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

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MO 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
	ADP 3-07, CHG 1	Stability (Incl C1)	Yes	No
	ATP 3-34.81	ENGINEER RECONNAISSANCE	Yes	Yes
	FM 3-34	Engineer Operations http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_34.pdf	Yes	No

Conditions: The staff receives a mission from higher Headquarters (HQ) to plan for an infrastructure reconnaissance. The staff plans and provides to subordinate elements a list of all large scale public systems, services and facilities to reconnoiter.

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 staff prepares an Operation Order (OPORD) for subordinate units detailing what specific areas the subordinate elements will reconnoiter. The reconnaissance will provide information on the local infrastructure. The staff receives reports according to the unit Standing Operating Procedure (SOP). The subordinate units reconnoiter the specific areas of interest so the staff can plan detailed efforts to support and stabilize the local area. The staff submits recommendations and orders subordinate elements to conduct an initial infrastructure assessment.

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

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute					Assess	
Operational Environment	Training Environment (L/V/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
BDE & Above								
Dynamic and Complex (All OE Variables and Hybrid Threat)	Night	>=85%	>=80%	Yes	>=91%	All	>=90%	T
	Day	75-84%			80-90%		80-89%	T-
Dynamic and Complex (All OE Variables and Single Threat)	Night	65-74%	75-79%	No	65-79%	<All	<=79%	P
	Day	60-64%	60-74%		51-64%			P-
Dynamic and Complex (<All OE Variables and Single Threat)	Day	<=59%	<=59%		<=50%			U

Remarks: None

Notes: All required references and technical manuals will be provided by the local command.

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 staff receives a mission from higher HQ to plan an Infrastructure Reconnaissance (IR).			
+ a. Understand the unit mission and the Commander's intent (two levels up).			
+ b. Understand the engineer mission, intent and scheme of engineer operations (two levels up).			
+ c. Request geospatial information on the Area of Operations (AO).			
+ d. Understand the higher echelon's essential tasks for Mobility, Counter Mobility and Survivability (M/CM/S).			
+ 2. The staff analyzes the mission by addressing the following considerations using the acronym ASCOPE:			
+ a. Areas that can potentially be affected or impacted, include:			
(1) Districts or neighborhoods within an urban area.			
(2) Areas of high economic value.			
(3) Political centers.			
(4) Important cultural sites (i.e. shrines, schools, etc).			
(5) Temporary settlements for displaced persons.			
(6) Real estate, land.			
b. Structures along the route that may be of significance to the populace versus structures that may be co-opted for military use such as:			
(1) Government buildings.			
(2) Power plant facilities.			
(3) Water and/or sewer systems.			
(4) Locks and dams.			
(5) Police Stations / jails.			
(6) Schools / churches.			
(7) Fire stations.			
(8) Hospitals / clinics.			
(9) Communications systems.			
(a) Radio.			
(b) Television.			
(c) Telephone systems.			
(10) Roads and bridges.			
(11) Railheads.			
(12) Ports.			
(13) Fueling stations / points.			
(14) Potable water sources.			
c. Capabilities of the Host Nation (HN) government to provide the populace with key functions or services. The most essential capabilities are those required to save, sustain, or enhance life, in that order.			
(1) Public administration.			
(2) Public safety.			
(a) HN security.			
(b) Military.			
(c) Police.			
(d) Intelligence.			
(3) Emergency services.			
(a) Fire.			
(b) Medical.			
(4) Public health.			
(a) Food.			
(b) Water.			
(c) Sanitation.			
(5) Fuel source.			
d. Organizations available for assistance.			
(1) Local governances.			
(2) Non-government organizations (NGOs).			
(3) Intergovernmental Organizations (IGO).			
(4) Religious or political parties.			

(5) Community or criminal organizations.			
e. People (non-military) likely to be encountered in the AO during the mission, as well as those outside of the AO whose actions, opinions or influences can affect the mission. The following should be considered when determining the attitude of the populace:			
(1) Pro/anti-government.			
(2) Pro/anti insurgent.			
(3) Uncommitted.			
(4) Neutral.			
(5) Religion.			
(6) Race.			
(7) Ethnicity.			
f. Events that are routine, cyclical, planned or spontaneous that can significantly affect organizations, people, and military operations. These events include:			
(1) National and religious holidays.			
(2) Agricultural and market cycles.			
(3) Elections.			
(4) Civil disturbances or celebrations.			
(5) Natural and man-made disasters.			
(6) Combat operations.			
(7) Deployments.			
(8) Paydays.			
+ 3. The staff determines the consistency of the IR team and logistical requirements.			
+ a. Engineer.			
+ b. Preventive medicine.			
+ c. Military police.			
+ d. Civil affairs.			
+ 4. The staff presents all Courses of Action (COA) to the commander, who then determines the best COA.			
+ a. Identifies priority engineer requirements			
+ b. Refines essential tasks for M/CM/S if necessary.			
+ c. Integrates engineer support into COA development, and develops a scheme of engineer operations for each COA.			
+ d. Arrays engineer forces using task and purpose.			
+ e. Recommends an appropriate level of protection effort for each COA, based on the expected threat.			
+ f. Develops COA evaluation criteria focused on the engineer effort.			
+ 5. The staff publishes an OPORD.			

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): None

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-BDE-0002	Prepare an Engineer Estimate	05 - Engineers (Collective)	Approved
	05-BDE-0009	Conduct Staff Reporting Procedures	05 - Engineers (Collective)	Approved
	05-BDE-0066	Conduct Engineer Liaison Operations	05 - Engineers (Collective)	Approved
	05-BDE-0080	Recommend the Employment Priority of Engineer Assets	05 - Engineers (Collective)	Approved
	05-BDE-0082	Provide Engineer Support for Real Property Maintenance	05 - Engineers (Collective)	Approved
	05-BDE-0084	Coordinate Engineer Support with the Host Nation (HN)/Coalition Representative	05 - Engineers (Collective)	Approved
	05-BDE-0715	Coordinate Construction Operations	05 - Engineers (Collective)	Approved
	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved
	05-CORP-0097	Develop a Base Camp	05 - Engineers (Collective)	Approved
	71-CORP-5100	Conduct the Mission Command Operations Process for Corps	71 - Combined Arms (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
	052-210-4012	Analyze Infrastructure Reconnaissance Assessments	052 - Engineer (Individual)	Approved
	052-243-7101	Direct Construction Site Reconnaissance	052 - Engineer (Individual)	Approved
	052-702-9105	Plan Engineer Support for Joint and Combined Operations	052 - Engineer (Individual)	Approved
	052-702-9106	Participate In The Military Decision Making Process (MDMP) As An Engineer Staff Officer	052 - Engineer (Individual)	Approved
	052-714-9101	Advise Commander On Engineer Units Organizations, Equipment And Capabilities	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 4.1.7.1	Develop Infrastructure
ART 5.15.3	Support Civil Administration
OP 4.6.2	Provide General Engineering

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. .