

Training and Evaluation Outline Report

Status: Approved

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Task Number: 71-9-4620

Task Title: Plan Civil Military Engineering (Division Echelon and Above [Operational])

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 Leavenworth 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
	FM 3-28	Civil Support Operations	Yes	No
	FM 3-34	Engineer Operations http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_34.pdf	Yes	Yes
	JP 3-28	Defense Support of Civil Authorities	Yes	No

Conditions: The command is conducting operations as a Joint Task Force (JTF) or a Combined Joint Task Force (CJTF). The command's headquarters receives liaison, unit, and individual attachments augmentees. The command receives an operations order from higher headquarters. The commander has issued guidance on providing civil military engineering support. The command interfaces with joint, interagency, and unified action partners. The command establishes communications with subordinate and adjacent units, and higher headquarters. The mission command system is operational and processing information in accordance with standard operating procedures. This task should not be trained in MOPP 4.

Standards: The staff provides civil military engineering support to include dismantling of fortifications, construction of bases, and restoration of water and sewage facilities. Support is in accordance with environmental policy, status of forces agreements, international treaties, the commanders intent, orders from higher headquarters, and standard operating procedures.

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	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	T
			75-84%			80-90%		80-89%	T-
Dynamic and Complex (All OE Variables and Single Threat)	Day		65-74%	75-79%	No	65-79%	<All	<=79%	P
			60-64%	60-74%		51-64%			P-
Dynamic and Complex (<All OE Variables and 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 Composite Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Composite 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 estimates engineer civil-military support requirements by:	N/A	N/A	N/A
a. Determining engineer intelligence requirements for an area of operations.	N/A	N/A	N/A
b. Planning the delivery of engineer-configured loads of Class IV supplies.	N/A	N/A	N/A
c. Identifying haul assets.	N/A	N/A	N/A
d. Recommending sustainment priorities.	N/A	N/A	N/A
e. Identifying critical engineer equipment and engineer mission logistics shortages.	N/A	N/A	N/A
f. Providing an estimate of required Class III supplies in support of construction.	N/A	N/A	N/A
g. Providing an estimate of required Class IV supplies in support of construction.	N/A	N/A	N/A
h. Monitoring statutory, regulatory, and command policies for the procurement of construction materials.	N/A	N/A	N/A
i. Tracking mission-critical Class IV supplies.	N/A	N/A	N/A
j. Coordinating delivery of Class IV materials.	N/A	N/A	N/A
k. Coordinating main supply route clearing operations.	N/A	N/A	N/A
l. Coordinating explosive ordnance disposal support.	N/A	N/A	N/A
m. Integrating environmental programmatic.	N/A	N/A	N/A
2. The staff plans infrastructure development projects to reinforce efforts to stabilize the economy by:	N/A	N/A	N/A
a. Calculating construction services, engineering, and physical infrastructure projects in the following sectors:	N/A	N/A	N/A
(1) Transportation, to include roads, railways, airports, ports, and waterways.	N/A	N/A	N/A
(2) Telecommunications.	N/A	N/A	N/A
(3) Energy and distribution to include natural resources, the electrical power sector, and energy production.	N/A	N/A	N/A
(4) Municipal and other public services.	N/A	N/A	N/A
b. Collecting technical information on the quality of the local infrastructure or problems within it.	N/A	N/A	N/A
c. Conducting reconnaissance of state's physical infrastructure large-scale public systems, services, and facilities necessary for economic activity to:	N/A	N/A	N/A
(1) Assess the state of essential services requiring restoration.	N/A	N/A	N/A
(2) Inventory projects that support economic and infrastructure development.	N/A	N/A	N/A
d. Producing an assessment of the:	N/A	N/A	N/A
(1) Status of infrastructure in the area of operations.	N/A	N/A	N/A
(2) Status of theater- and situation-specific protection requirements.	N/A	N/A	N/A
(3) Availability of existing geospatial products and requirements for new terrain visualization products.	N/A	N/A	N/A
(4) Requirements for specialized engineer support and support to other emergency services.	N/A	N/A	N/A
(5) Availability of specialized engineer capabilities.	N/A	N/A	N/A
(6) Requirements for staffing, communications, and information systems support.	N/A	N/A	N/A
(7) Requirements for engineer liaison, to include linguists and civil affairs personnel.	N/A	N/A	N/A
(8) Potential for contract construction or other engineering capabilities.	N/A	N/A	N/A
3. The staff employs engineer capabilities to build partner capacity to develop essential public services and infrastructure by:	N/A	N/A	N/A
a. Constructing and repairing rudimentary surface transportation systems, basic sanitation facilities, and rudimentary public facilities and utilities.	N/A	N/A	N/A
b. Detecting and assessing water sources to drill water wells.	N/A	N/A	N/A
c. Constructing feeding centers.	N/A	N/A	N/A
d. Providing environmental assessment and technical advice.	N/A	N/A	N/A
e. Constructing waste treatment and disposal facilities.	N/A	N/A	N/A
f. Providing base and base camp construction and power generation.	N/A	N/A	N/A
g. Conducting infrastructure reconnaissance, technical assistance, and damage assessment.	N/A	N/A	N/A
h. Conducting emergency demolitions.	N/A	N/A	N/A
i. Conducting debris or route clearing operations.	N/A	N/A	N/A

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
	71-9-5130	Determine Commander's Critical Information Requirements (Division Echelon and Above (Operational))	71 - Combined Arms (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	06-BN-6008	Prepare the Logistic Plan	06 - Field Artillery (Collective)	Approved
	71-8-5145	Conduct Risk Management (Battalion - Corps)	71 - Combined Arms (Collective)	Approved

OPFOR Task(s): None

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-12T-3300	Prepare a Preliminary Construction Site Analysis	052 - Engineer (Individual)	Approved
	101-92F-5203	Plan Petroleum and Water Operations	101 - Quartermaster (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
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. 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 FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT

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. .