

Training and Evaluation Outline Report

Status: Approved

21 Oct 2015

Effective Date: 23 Sep 2020

Task Number: 10-CO-0012

Task Title: Establish Petroleum Pipeline and Terminal Operating Operations

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 Lee, Virginia 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	Source Information
	ATP 4-33	Maintenance Operations (This item is published w/Basic incl C1) http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_33.pdf	Yes	No	http://www.army.mil/usapa/doctrine/Active_FM.html
	ATP 4-43	Petroleum Supply Operations	Yes	Yes	

Conditions: The Petroleum Pipeline and Terminal Operating Company has received an operations order (OPORD) from higher headquarters (HQ) to establish petroleum pipeline and terminal facilities for receipt, storage, issue, and distribution of bulk petroleum products in support of an independent corps or theater army area of operations. They must establish the company area of operations in support of company and higher headquarters operational missions. The set up location has been identified, approved, and has primary access to main supply routes, internal, and external logistical support. Continuous digital and analog communications have been established. All applicable regulations, internal and external tactical standard operating procedures (TSOP), technical manuals (TMs), and field manuals (FMs) are on-hand as reference material. The company has been provided guidance on rules of engagement for this mission. Threat capabilities include opposing forces which have the ability to gather information, interact with hostile force sympathizers, coordinate suicide bombings, set up improvised explosive devices, coordinate air support, and execute reinforced platoon/squad operations in a chemical, biological, radiological, and nuclear (CBRN) environment. Mission, enemy, terrain and weather, troops and support available-time available and civil considerations (METT-TC) identified constraints have been identified and communicated in the OPORD. The unit is not likely to be attacked with hostile enemy fire or chemical agents. This task will be performed under all environmental conditions. All company equipment is serviceable, on hand, and personnel are available to establish the section, team, platoon, company for all day and night operations. Engineer support is required and must be coordinated to establish operations. Specified time constraints are identified in the OPORD. The section has adequate time to establish the area of operations. Unit leaders are present for supervision and additional guidance. Some iterations of this task should be performed in MOPP 4.

Standards: The Petroleum Pipeline and Terminal Operating Company is established and operational to support mission as directed. Company personnel establish the company sections with all available assets and resources within the specified time constraints in the mission OPORD and in accordance with (IAW) commanders guidance, internal and external TSOPs, and applicable regulations.

Live Fire: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute						Assess		
Operational Environment	CO & BN	Training Environment (L/V/C)	Leaders Present at Training/Required	Present at Training/Required	External Eval	Performance Measures	Critical Performance Measures	Leader Performance Measures	Evaluator's Observed Task Proficiency Rating	Commander's Assessment
Dynamic and Complex (4+ OE Variables and Hybrid Threat)	Night	At the discretion of the Commander.	>=85%	>=80%	Yes	>=91%	All	>=90%	T	T
			75-84%			80-90%		80-89%	T-	T-
	Dynamic (Single Threat)		65-74%	75-79%	No	65-79%	<All	<=79%	P	P
			60-64%	60-74%		51-64%			P-	P-
Day	Static (Single Threat)		<=59%	<=59%	<=50%			U	U	

Remarks: Task steps and performance measures are arranged in a logical order and are not intended to be interpreted as a “required order” for performance. These task steps and/or performance measures of collective task may not always be applicable to every unit. Prior to evaluation, coordination should be made between the evaluator, the unit itself, and the evaluated units' higher headquarters (if required) to determine the task step(s) and/or performance measure(s) that may be omitted and/or must be performed. Training begins with the execution of pre-combat checks and inspections. Training ends when designated training objectives for the particular training events or exercises are performed to Army standard. Unit leadership should conduct an after action report (AAR) to determine future training requirements for the unit.

Notes: REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS: You can help improve this collective task. If you find any errors, or if you would like to recommend any improvements to the procedures in this collective task, please let us know. The preferred method is to submit a DA Form 2028 (Recommended Changes to Publications and Blank Forms) with your recommended changes via email to usarmy.lee.tradoc.mbx.cascom-g3-collective@mail.mil. Your recommended changes will be reviewed, validated to ensure approved Army or joint doctrine supports your recommendation(s), implemented as applicable, and a reply will be furnished to you.

Safety Risk: Low

Task Statements

Cue: The Petroleum Pipeline and Terminal Operating Company has received an operations order (OPORD) from higher headquarters (HQ) to establish petroleum pipeline and terminal facilities for receipt, storage, issue, and distribution of bulk petroleum products in support of an independent corps or theater army area of operations.

DANGER

Soldiers must constantly be alert for and avoid situations that may result in injury or death. At the training site, leaders must establish training safety overview procedures.

WARNING

Soldiers must be alert to human error and know the capabilities and limitations of the equipment and vehicles they use. Following the proper safety procedures preserves troop strength by preventing personnel losses through accidents.

CAUTION

The possibility of personal injury or damage to equipment that may result from long-term failure to follow correct procedures.

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. Commander and Unit Leaders supervise the setup of company headquarters, platoon, and section areas.
 - a. Inspects camouflage and concealment of areas.
 - b. Inspects areas for adherence to safety regulations.
 - c. Performs joint inspection with the engineer unit representative before accepting new petroleum system.
 - d. Performs tests on communication equipment established at terminals/pump stations.
 - e. Inspects grounding procedures.
 - f. Conducts fire drills.
 - g. Enforces proper safety standards.
 - h. Enforces environmental stewardship protection program procedures.
 - i. Enforces risk management procedures.
- 2. Petroleum Products Control Section set up operations.
 - a. Coordinate with higher headquarters to receive operating instructions from the system's dispatcher/scheduler for specific supply controls.
 - b. Enforces proper safety standards.
- 3. Maintenance Section sets up operations.
 - a. Establish unit maintenance area to maintain organic equipment and wheeled vehicles.
 - b. Enforces proper safety standards.
- 4. Terminal Operating Platoon sets up fixed terminal facilities.
 - a. Sets up Platoon Headquarters area.
 - b. Sets up POL testing area.
 - c. Sets up generators and screening system that muffles noise and minimizes heat signatures of generators.
 - d. Constructs a fuel storage and fire control point for each generator as prescribed by the unit TSOP and commander's guidance.
 - e. Establishes wire communications between the company headquarters, platoons, and all sections.
 - f. Prepares rough access roads if necessary.
 - g. Digs trenches and firewalls to protect storage locations.
 - h. Prepares terrain for FSSP.
 - i. Sets up FSSP in accordance with appropriate publication.
 - j. Prepares detailed layout sketch for commander or first sergeant.
 - k. Positions fire extinguisher in accordance with company safety SOP.
 - l. Posts "no smoking" signs in accordance with company safety SOP.
 - m. Camouflages equipment and vehicles.
 - n. Employs proper safety standards.
 - o. Employs environmental stewardship protection program procedures.
 - p. Enforces risk management procedures.
- 5. Tank Farm Section sets up fixed bulk petroleum terminals.
 - a. Establish Class III supply point.
 - b. Enforces proper safety standards.
- 6. Storage and Issue Section sets up operations to operate FSSP.
 - a. Prepare to store and issue petroleum from the FSSP.
 - b. Enforces proper safety standards.
- 7. Pipeline Operating Platoon sets up pump station areas.
 - a. Sets up Platoon Headquarters area.
 - b. Sets up temporary quarters for pump station personnel no more than 200 feet from the pump station if necessary.
 - c. Sets up generators and screening system that muffles noise and minimizes heat signatures of generators.
 - d. Constructs a fuel storage and fire control point for each generator as prescribed by unit TSOP and commander's guidance.
 - e. Establishes wire communications between the unit headquarters, platoons, and all sections.
 - f. Prepares detailed layout sketch for commander or first sergeant.
 - g. Positions fire extinguisher in accordance with unit safety SOP.
 - h. Posts no smoking signs in accordance with unit safety SOP.
 - i. Erects pump sheds from salvage materials when protection from climate is necessary.

- j. Employs proper safety standards.
 - k. Employs environmental stewardship protection program procedures.
 - l. Employs risk management procedures.
8. Service Support Section sets up the petroleum equipment maintenance area.
- a. Sets up equipment and tent in accordance with layout plan.
 - b. Sets up repair parts area.
 - c. Sets up screens to shield equipment from dust and sand.
 - d. Positions maintenance vehicles to take maximum advantage of available concealment.
 - e. Prepares detailed layout sketch for commander or first sergeant.
 - f. Camouflages equipment and tentage.
 - g. Employs proper safety standards.
 - h. Employs environmental stewardship protection program procedures.
 - i. Employs risk management procedures.
9. Pipeline Section sets up operations for pump stations.
- a. Prepare to patrol the pipeline as required.
 - b. Enforces proper safety standards.

Task Performance Summary Block										
Training Unit			ITERATION							
_____			1		2		3		4	
Date of Training per Iteration:										
Day or Night Training:			Day / Night		Day / Night		Day / Night		Day / Night	
			#	%	#	%	#	%	#	%
Total Leaders Authorized		% Leaders Present								
Total Soldiers Authorized		% Soldiers Present								
Total Number of Performance Measures		% Performance Measures 'GO'								
Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Live Fire, Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Total Number of Leader Performance Measures		% Leader Performance Measures 'GO'								
MOPP LEVEL										
Evaluated Rating per Iteration T, T-, P, P-, U										

Mission(s) supported: None

MOPP 4: Sometimes

MOPP 4 Statement: Chemical protective clothing ensemble and field protective mask restrict movement and activities. Wear MOPP gear only when threat forces have used CBRN weapons or are likely to do so. MOPP gear should be worn during CBRN training exercises. 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 in accordance with CBRN regulations.

NVG: Never

NVG Statement: Night vision goggles are not required to conduct this task. However, they may be required when conducting sustainment unit operations, during moment, or Soldier duties as assigned.

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	10-SEC-0205	Establish Petroleum Tank Farm Tactical Petroleum Terminal	10 - Quartermaster (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	10-PLT-0201	Conduct Petroleum Terminal Operating Platoon Operations	10 - Quartermaster (Collective)	Approved
	10-PLT-0202	Conduct Petroleum Pipeline Operating Platoon Operations	10 - Quartermaster (Collective)	Approved
	10-SEC-0203	Conduct Petroleum Products Control Section Operations	10 - Quartermaster (Collective)	Approved
	10-SEC-0206	Control Petroleum Storage and Issue Operations	10 - Quartermaster (Collective)	Approved
	10-SEC-0221	Conduct Petroleum Pipeline Section Operations	10 - Quartermaster (Collective)	Approved
	10-SEC-0227	Conduct Petroleum Service Support Section Operations	10 - Quartermaster (Collective)	Approved
	10-SEC-0229	Conduct Petroleum Tank Farm Operations	10 - Quartermaster (Collective)	Approved

OPFOR Task(s): None

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-248-1013	Install a Coupled Pipeline	052 - Engineer (Individual)	Approved
	052-248-2005	Install Pipeline (Underground)	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 4.1.1	Provide Field Maintenance Support
ART 4.1.2.1	Provide Movement Control
ART 4.1.3	Provide Supplies
ART 4.1.3.3.1	Provide Bulk Fuel
ART 4.1.6.1	Conduct Distribution 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. It is the responsibility of all Soldiers and Department of the Army civilians to protect the environment from damage.

Safety: In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. 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 current CBRN doctrine. Leaders must verify the structural soundness of all training and evaluation plans from a safety viewpoint. Leaders must conduct training at levels consistent with the abilities of the Soldiers being trained. They must instill an awareness of individual safety in all subordinate leaders and Soldiers. Soldiers must constantly be alert for and avoid situations that may result in injury or death. At the training site, leaders must establish training safety overview procedures. Safety procedures should emphasize the adherence to standards, consideration of environmental factors (for example wet bulb), risk assessment, and factors contributing to and aiding in the prevention of accidents. Responsible individuals must know how to balance the risks against the training requirements and monitor conditions for safety and health hazards (to eliminate or control them). Leaders must ensure the welfare of their soldiers in all situations. Leaders must establish a buddy system for safety. Soldiers should maintain a safety watch on each other, with emphasis on individual safety training, and first aid responsibilities. All unsafe conditions and unsafe acts must be recognized and reported. Soldiers must be alert to human error and know the capabilities and limitations of the equipment and vehicles they use. Following the proper safety procedures preserves troop strength by preventing personnel losses through accidents.