

# Training and Evaluation Outline Report

Status: Approved

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Task Number: 10-TM-5274

Task Title: Manage Bulk Petroleum and Alternative Fuel Requirements

**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 CASCOM, 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
	ADP 3-0	Operations	Yes	No	
	AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	Yes	No	
	AR 385-10	The Army Safety Program	Yes	No	
	AR 70-12	FUELS AND LUBRICANTS STANDARDIZATION POLICY FOR EQUIPMENT DESIGN, OPERATION, AND LOGISTICS SUPPORT	Yes	No	
	ATP 4-42.2	SUPPLY SUPPORT ACTIVITY OPERATIONS	Yes	No	
	ATP 4-43	Petroleum Supply Operations	Yes	Yes	
	ATP 5-19	RISK MANAGEMENT, with change 1 dated 8 Sep 2014	Yes	No	
	FM 4-40 (Change 001, May 08, 2014)	QUARTERMASTER OPERATIONS <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm4_40.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm4_40.pdf</a>	Yes	No	
	PAM 710-7	HAZARDOUS MATERIAL MANAGEMENT PROGRAM	Yes	No	
	TM 4-43.31 (Revision, March 25, 2015)	Petroleum Laboratory Testing and Operations	Yes	No	

## Conditions:

The Petroleum Liaison Team has received an operations order (OPORD) from higher headquarters (HQ) to manage bulk petroleum and alternative fuel requirements. The Petroleum Liaison Team is required to forecast, coordinate, identify available resources, synchronize, and integrate theater bulk petroleum requirements as directed. The Petroleum Liaison Team is established in support of a higher HQ operational mission. The Petroleum Liaison Team has primary access to main supply routes, external logistical support, and it is accessible to all supported and supporting customers/units. Continuous digital and analog communications have been established with higher headquarters. All applicable Army and joint regulations, host nation agreements, critical petroleum directives, internal and external tactical standard operating procedures (TSOP), technical manuals (TMs), and field manuals (FMs) are on-hand as reference material. The Petroleum Liaison Team 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 must be considered. The unit is not likely to be attacked with hostile enemy fire or chemical agents. This task will be performed under either/or a combination of a static, dynamic, complex, single, or hybrid operational environment as outlined in the training evaluation matrix. All authorized equipment is on hand and operational. All authorized equipment is on hand and operational. All unit personnel are available to provide support during all day and night operations. External dependent units have been contacted and coordination has been made to support Petroleum Liaison Team operational mission. Specified time constraints are identified in the operations order. The Petroleum Liaison Team has adequate time to prepare. Unit leaders are present in the area of operations. Some iterations of this task should be performed in MOPP 4.

**Standards:** Petroleum Liaison Team manages bulk petroleum and alternative fuel requirements as needed with the use of all available equipment and personnel within the specified time constraints in the mission OPOrd and in accordance with (IAW) the approved Army standards identified in the Task Evaluation Criteria Matrix which is included in this task below, commanders guidance, applicable internal and external TSOPs, and approved Army regulations.

**LEADER STATEMENT:** For the purpose of this task, an Army leader is defined as a Soldier who is in a senior officer, warrant officer, and/or noncommissioned officer (NCO) position designated by grade, paragraph, and title on the units Table of Organization and Equipment (TOE). Leaders are not only defined as officers, warrant officers, noncommissioned officers, and Army civilians in leadership positions but also include individuals who are Subject Matter Experts (SME) which possess the requisite knowledge and skill set to perform a particular task (For example, conduct an operation, provide logistics, or operate specific technical equipment, etc.) at the tactical through strategic level as the situation and/or mission(s) dictates. Leaders may also be personnel assigned to the unit and designated as a leader by the unit commander.

**Live Fire:** No

**Objective Task Evaluation Criteria Matrix:**

Plan and Prepare		Execute					Assess				
Operational Environment	SQUAD & PLT	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 (Single Threat)											Night
		75-84%				80-90%		80-89%	T-	T-	
		65-74%	75-79%			65-79%			P	P	
Static (Single Threat)	Day	60-64%	60-74%	No		51-64%	<All	≤79%	P-	P-	
		≤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.

**Task Evaluation Criteria Matrix Operational Environment Definitions:**

**Static:** A static training environment has aspects of operational variables needed to stimulate mission variables that are fixed throughout the unit's execution of the task.

**Dynamic:** A dynamic training environment has operational variables and threat Tactics, Techniques, and Procedures (TTP) for assigned countertasks that change in response to the execution of friendly force tasks.

**Complex:** A complex training environment requires a minimum of four - terrain, time, military (threat), and social (population) or more operational variables; brigade and higher units require all eight operational variables to be replicated in varying degrees based on the task being trained.

**Single Threat:** A single threat in a training environment is a conventional force, irregular force, criminal element, or terrorist force.

**Hybrid Threat:** A hybrid threat in a training environment uses diverse and dynamic combination of conventional forces, irregular forces, terrorist forces, and criminal elements unified to achieve mutually benefitting effects.

To obtain a T or T- this task must be conducted in a dynamic and complex environment with 4 plus OE variables and a hybrid threat at night with 75% or more leaders present, greater than 80% of Soldiers present, receive a "GO" on 80% or more of the performance measures, ALL of the critical performance measures and at least 80% "GO" on the leader performance measures. Must be conducted during an external evaluation.

Task steps and measures were developed using the Plan, Prepare, Execute, and Assess (PPEA) construct to reinforce the operations process and is implied throughout the T&EO as applicable.

**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](mailto: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

<b>Task Statements</b>
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**Cue:** The Petroleum Liaison Team has received an operations order (OPORD) from higher headquarters (HQ) to manage bulk petroleum and alternative fuel support.

## DANGER

Exercise extreme caution while conducting operations. If you see something unsafe, say something. Failure to do so may cause death or permanent injury to unit personnel and/or damage unit equipment. 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**

Failure to properly plan for petroleum requirements may threaten support to the force and theater operational mission. The possibility of personal injury or damage to equipment that may result from long-term failure to follow correct procedures.





**Mission(s) supported:** None

**MOPP 4:** Sometimes

**MOPP 4 Statement:** Some iterations of this task should be performed in MOPP4. At MOPP4, performance degradation factors increases planning completion times. Ensure to comply with commander's guidance and unit TSOP when conducting operations in MOPP gear.

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 chemical, biological, radiological, and nuclear (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 movement, or Soldier duties as assigned.

**Prerequisite Collective Task(s):** None

**Supporting Collective Task(s):**

Step Number	Task Number	Title	Proponent	Status
	10-BN-0201	Develop Bulk Petroleum Running Estimate	10 - Quartermaster (Collective)	Approved
	10-BN-0208	Plan for Multi-modal Bulk Petroleum Distribution Network	10 - Quartermaster (Collective)	Approved
	10-EAC-2308	Plan Bulk Petroleum Support Requirements	10 - Quartermaster (Collective)	Approved
	10-GRP-0210	Manage Petroleum Storage Assets	10 - Quartermaster (Collective)	Approved
	10-TM-5270	Conduct Petroleum Liaison Team Operations	10 - Quartermaster (Collective)	Approved
	10-TM-5271	Provide Liaison for Bulk Petroleum Support	10 - Quartermaster (Collective)	Approved
	10-TM-5272	Manage Theater Bulk Petroleum Quality Surveillance	10 - Quartermaster (Collective)	Approved
	10-TM-5273	Provide Sub-Area Petroleum Office Support	10 - Quartermaster (Collective)	Approved
	63-CO-4017	Maintain Communications	63 - Multifunctional Logistics (Collective)	Approved
	63-CO-4040	Provide Communications	63 - Multifunctional Logistics (Collective)	Approved
	63-EAC-2302	Provide Liaison Support (Brigade-Echelons Above Corps)	63 - Multifunctional Logistics (Collective)	Approved
	71-CO-5145	Conduct Risk Management	71 - Mission Command (Collective)	Approved
	71-JNT-5520	Develop Joint Force Liaison Structure for Joint Task Forces	71 - Mission Command (Collective)	Approved

**OPFOR Task(s):** None

**Supporting Individual Task(s):**

Step Number	Task Number	Title	Proponent	Status
	101-23A-7003	Determine Joint, Combined, and Host Nation Petroleum Requirements and Capabilities	101 - Quartermaster (Individual)	Approved
	101-23A-7004	Provide Technical Assistance for Liaison Operations	101 - Quartermaster (Individual)	Approved
	101-23A-7011	Provide Technical Assistance in the Movement of Bulk Petroleum Products	101 - Quartermaster (Individual)	Approved
	101-92L-3406	Perform Quality Surveillance at Petroleum Facilities	101 - Quartermaster (Individual)	Approved
	101-92L-4410	Plan Quality Surveillance Operations for Petroleum Facilities.	101 - Quartermaster (Individual)	Approved

**Supporting Drill(s):** None

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

Task ID	Title
ART 4.1.3.3.1	Provide Bulk Fuel
ART 4.1.3.3.3	Provide Petroleum Quality Assurance and Quality Surveillance
OP 4.2	Synchronize Supply of Fuel
SN 4.12.1	Provide Bulk Petroleum

## 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. Army personnel must take care of the environment; that is, practice environmental stewardship. All operations conducted on Army installations will comply with federal, state, local and host-nation environmental requirements and Army regulations. Army personnel will sustain compliance at all sites in the US and abroad, establishing good relationships with communities and regulators.

Environmental risk management consists of the following steps:

- Identify Hazards. Identify potential sources for environmental degradation during analysis of METT-TC factors. This requires identification of environmental hazards. An environmental hazard is a condition with the potential for polluting air, soil, or water and or destroying cultural and historical artifacts.
- Assess the Hazard. Analyze potential severity of environmental degradation using the Environmental Risk Assessment. Severity of environmental degradation is considered when determining the potential effect an operation will have on the environment. The risk impact value is defined as an indicator of the severity of environmental degradation. Quantify the risk to the environment resulting from the operation as extremely high, medium, or low, using the environmental risk assessment matrixes.
- Make Environmental Risk Decisions. Make decisions and develop measures to reduce high environmental risks.
- Brief Chain of Command. Brief chain of command (to include installation environmental office, if applicable), on proposed plans and pertinent high-risk environmental matrixes. Risk decisions are made at a level of command that corresponds to the degree of risk.

**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.

Be aware of the following:

- 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.



b. Leaders must establish a buddy system for safety measures. 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.