

# Training and Evaluation Outline Report

Status: Approved

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Task Number: 10-GRP-0212

Task Title: Manage Petroleum Operations

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**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 5-0	The Operations Process	Yes	No	
	AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	Yes	No	
	AR 385-10	The Army Safety Program	Yes	No	
	AR 710-2	SUPPLY POLICY BELOW THE NATIONAL LEVEL	Yes	No	
	ATP 4-0.1	ARMY THEATER DISTRIBUTION ( <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_0x1.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_0x1.pdf</a> )	Yes	No	
	ATP 4-43	Petroleum Supply Operations	Yes	Yes	
	ATP 4-44	Water Support Operations " <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_44.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_44.pdf</a> "	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	

**Conditions:** The petroleum group has received an operations order (OPORD) from higher headquarters (HQ) to provide bulk petroleum and water support. The group staff sections are established in support of a higher HQ operational mission and have completed their mission analysis. The staff sections must coordinate with internal and external agencies/units to effectively support operational mission requirements. The group 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. 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 group staff has been provided guidance on rules of engagement for this mission. 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 all environmental conditions. All authorized equipment is on hand and operational. All section personnel are available to conduct continuous all day and night operations. Specified time constraints are identified in the operations order. The group staff has adequate time to prepare. Some iterations of this task should be performed in MOPP 4.

**Standards:** The petroleum group provides bulk petroleum and water support 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:** An Army leader is anyone who by virtue of assumed role or assigned responsibility inspires and influences people to accomplish organizational goals. Leadership is not limited to or synonymous with an assigned duty, position, or given rank as it also manifests itself in both informal and collective forms. Informal leadership provides knowledge, experience, and technical expertise while collective leadership results through the combined effects and synergies of leaders at different levels and experience collaborating to achieve a common purpose. Informal and collective leadership can include positions with an expanded scope of responsibility, significance and operational / mission implications. Therefore, for the purpose of training this task, Leaders are not only defined as officers, warrant officers, noncommissioned officers, and Army civilians but also include individuals who are Subject Matter Experts (SME) which possess the requisite knowledge and skill set to perform a particular task (i.e., conduct an operation, provide logistics, or operate specific equipment, etc.) at the tactical through strategic level as the situation and/or mission dictates.

Live Fire: No

**Objective Task Evaluation Criteria Matrix:**

Plan and Prepare		Execute						Assess		
Operational Environment	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	
BDE & Above										
Dynamic and Complex (All OE Variables and Hybrid Threat)	Night	IAW unit CATS statement.	>=75%	>=80%	Yes	>=80%	All	>=85%	T	T
									T-	T-
Dynamic and Complex (All OE Variables and Single Threat)	Day		65-74%	60-79%	No	65-79%	75-84%	<All	P	P
			60-74%							
Dynamic and Complex (<All OE Variables and Single Threat)		<=59%	<=59%		<=64%		<=74%	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 Definitions:

Static: Aspects of operational variables (PMESII-PT) needed to stimulate mission variables (METT-TC) are fixed throughout the unit's execution of the task.

Dynamic: Operational variables and Threat TTPs for assigned counter- tasks change in response to the execution of BLUFOR's task.

Complex: 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 (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single Threat: Regular, irregular, criminal, or terrorist.

Hybrid Threat: The diverse and dynamic combination of regular forces, irregular forces, terrorist forces, and/or 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

### Task Statements

**Cue:** The petroleum group has received an operations order (OPORD) from higher headquarters (HQ) to provide bulk petroleum and water support.

## DANGER

Failure to properly plan, coordinate, and execute directed mission jeopardizes the operational mission by not having the right resources at the proper place at the proper time. 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.

## WARNING

First aid is the emergency care given to the sick, injured, or wounded before being treated by medical personnel. Refer to the unit tactical standard operating procedures and approved Army doctrine for first aid treatment procedures.

## CAUTION

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













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 moment, or Soldier duties as assigned.

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

**Supporting Collective Task(s):**

Step Number	Task Number	Title	Proponent	Status
	10-BDE-0202	Conduct Petroleum and Water Support Operations	10 - Quartermaster (Collective)	Approved
	10-BDE-0206	Conduct Petroleum Liaison Functions	10 - Quartermaster (Collective)	Approved
	10-BDE-0207	Conduct Water Liaison Activities	10 - Quartermaster (Collective)	Approved
	10-BDE-0211	Manage Petroleum Pipeline / Hoseline Operations	10 - Quartermaster (Collective)	Approved
	10-BDE-4024	Coordinate Bulk Petroleum Distribution	10 - Quartermaster (Collective)	Approved
	10-BDE-4062	Coordinate Host Nation Water Resources	10 - Quartermaster (Collective)	Approved
	10-BDE-4064	Coordinate Host Nation Petroleum Resources	10 - Quartermaster (Collective)	Approved
	10-CO-0003	Prepare Petroleum Laboratory for Certification	10 - Quartermaster (Collective)	Approved
	10-GRP-0200	Develop Petroleum and Water Operations Estimates	10 - Quartermaster (Collective)	Approved
	10-GRP-0201	Coordinate Bulk Potable Water Support Requirements	10 - Quartermaster (Collective)	Approved
	10-GRP-0203	Manage Petroleum Quality Surveillance for Petroleum Group	10 - Quartermaster (Collective)	Approved
	10-GRP-0210	Manage Petroleum Storage Assets	10 - Quartermaster (Collective)	Approved
	10-GRP-0213	Manage Bulk Potable Water Distribution	10 - Quartermaster (Collective)	Approved
	10-GRP-0214	Manage Bulk Potable Water Storage Assets	10 - Quartermaster (Collective)	Approved
	10-GRP-0216	Direct Movement of Bulk Petroleum	10 - Quartermaster (Collective)	Approved
	10-GRP-0235	Manage Petroleum Laboratory Quality Surveillance Program	10 - Quartermaster (Collective)	Approved
	10-GRP-0236	Establish Petroleum Laboratory Safety Program	10 - Quartermaster (Collective)	Approved
	10-TM-0003	Conduct Petroleum Laboratory Operations	10 - Quartermaster (Collective)	Approved
	71-BDE-5100	Conduct the Operations Process for Command and Control (C2)	71 - Mission Command (Collective)	Approved
2.	34-BDE-3003	Distribute Operational Intelligence	34 - Combat Electronic Warfare and Intelligence (Collective)	Approved
3.	63-BDE-2026	Develop the OPORD/OPLAN, Annexes, and Appendixes	63 - Multifunctional Logistics (Collective)	Approved
4.	12-BDE-0008	Conduct Unit Mail Services (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0009	Process Replacements (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0036	Conduct Personnel Accountability (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0005	Conduct Casualty Operations (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0012	Conduct Personnel Readiness Procedures (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0004	Prepare Personnel for Deployment (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0007	Perform Essential Personnel Services (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BN-0003	Provide Morale, Welfare, and Recreation (MWR) Support (S1)	12 - Adjutant General (Collective)	Approved
4.	12-BDE-0037	Conduct Strength Reporting (S1)	12 - Adjutant General (Collective)	Approved
5.	63-BDE-2031	Develop the Sustainment Plan	63 - Multifunctional Logistics (Collective)	Approved
7.	16-TM-1001	Conduct Religious Services	16 - Chaplain (Collective)	Approved
7.	16-TM-3002	Perform Religious Administrative Support	16 - Chaplain (Collective)	Approved
7.	16-TM-2002	Provide Religious Education	16 - Chaplain (Collective)	Approved
7.	16-TM-2001	Perform Religious Crisis Response	16 - Chaplain (Collective)	Approved
8.	10-BDE-0202	Conduct Petroleum and Water Support Operations	10 - Quartermaster (Collective)	Approved
9.	10-GRP-0201	Coordinate Bulk Potable Water Support Requirements	10 - Quartermaster (Collective)	Approved
9.	10-BDE-0202	Conduct Petroleum and Water Support Operations	10 - Quartermaster (Collective)	Approved
9.	10-GRP-0200	Develop Petroleum and Water Operations Estimates	10 - Quartermaster (Collective)	Approved
9.	10-GRP-0216	Direct Movement of Bulk Petroleum	10 - Quartermaster (Collective)	Approved
9.	10-BDE-4024	Coordinate Bulk Petroleum Distribution	10 - Quartermaster (Collective)	Approved
10.	10-GRP-0200	Develop Petroleum and Water Operations Estimates	10 - Quartermaster (Collective)	Approved
10.	10-BDE-0207	Conduct Water Liaison Activities	10 - Quartermaster (Collective)	Approved
10.	10-GRP-0213	Manage Bulk Potable Water Distribution	10 - Quartermaster (Collective)	Approved
10.	10-GRP-0201	Coordinate Bulk Potable Water Support Requirements	10 - Quartermaster (Collective)	Approved
11.	10-BDE-4024	Coordinate Bulk Petroleum Distribution	10 - Quartermaster (Collective)	Approved
11.	10-GRP-0216	Direct Movement of Bulk Petroleum	10 - Quartermaster (Collective)	Approved
12.	10-GRP-0210	Manage Petroleum Storage Assets	10 - Quartermaster (Collective)	Approved
12.	05-BDE-0720	Conduct Defense Support to Civil Authorities Operations.	05 - Engineers (Collective)	Approved
12.	10-BDE-0211	Manage Petroleum Pipeline / Hoseline Operations	10 - Quartermaster (Collective)	Approved
12.	10-GRP-0214	Manage Bulk Potable Water Storage Assets	10 - Quartermaster (Collective)	Approved
13.	10-BDE-4062	Coordinate Host Nation Water Resources	10 - Quartermaster (Collective)	Approved
13.	10-BDE-0206	Conduct Petroleum Liaison Functions	10 - Quartermaster (Collective)	Approved

13.	10-BDE-0207	Conduct Water Liaison Activities	10 - Quartermaster (Collective)	Approved
13.	10-BDE-4064	Coordinate Host Nation Petroleum Resources	10 - Quartermaster (Collective)	Approved
14.	10-GRP-0236	Establish Petroleum Laboratory Safety Program	10 - Quartermaster (Collective)	Approved
14.	10-GRP-0235	Manage Petroleum Laboratory Quality Surveillance Program	10 - Quartermaster (Collective)	Approved
15.	10-TM-0003	Conduct Petroleum Laboratory Operations	10 - Quartermaster (Collective)	Approved
15.	10-CO-0003	Prepare Petroleum Laboratory for Certification	10 - Quartermaster (Collective)	Approved

**OPFOR Task(s):** None

**Supporting Individual Task(s):**

Step Number	Task Number	Title	Proponent	Status
	101-23A-6005	Manage the Movement of Bulk Petroleum Products (Brigade and Below)	101 - Quartermaster (Individual)	Approved
	101-23A-7005	Determine Bulk Petroleum Requirements and Capabilities (Echelons above Brigade)	101 - Quartermaster (Individual)	Approved
	101-23A-7009	Provide Technical Assistance in Preparing Petroleum Requirements to Operation Plans (OPLAN) (Echelons Above Brigade)	101 - Quartermaster (Individual)	Approved
	101-23A-7011	Provide Technical Assistance in the Movement of Bulk Petroleum Products	101 - Quartermaster (Individual)	Approved
5.	101-92Y-3010	Manage Unit Loads	101 - Quartermaster (Individual)	Approved
5.	101-92Y-3101	Implement Continuity of Operations Plan (COOP)	101 - Quartermaster (Individual)	Approved
5.	101-92Y-3008	Implement the Command Supply Discipline Program (CSDP)	101 - Quartermaster (Individual)	Approved
6.	113-000-1000	Install Single Channel Ground and Airborne Radio Systems (SINCGARS) / Advanced System Improvement Program (ASIP)	113 - Signal (Individual)	Approved
6.	113-000-1001	Operate Radio Retransmission Station using SINCGARS Family of Radios	113 - Signal (Individual)	Approved
7.	805D-56M-1804	Coordinate Religious Support in the Absence of a Chaplain	805D - Chaplain (Individual)	Approved
12.	052-12T-1547	Describe the Location of a Survey Control Station	052 - Engineer (Individual)	Approved
12.	052-12K-1061	Maintain Plumbing Tools	052 - Engineer (Individual)	Approved
14.	101-92L-4410	Plan Quality Surveillance Operations for Petroleum Facilities.	101 - Quartermaster (Individual)	Approved
15.	101-92L-1410	Operate the Petroleum Quality Analysis System - Enhanced (PQAS-E)	101 - Quartermaster (Individual)	Approved
15.	101-92L-1411	Prepare the Petroleum Quality Analysis System - Enhanced (PQAS-E) for Movement or Storage	101 - Quartermaster (Individual)	Approved
15.	101-92L-2300	Supervise Petroleum Laboratory Testing Procedures.	101 - Quartermaster (Individual)	Approved
15.	101-92L-2304	Supervise Environmental Stewardship Measures in a Petroleum Laboratory	101 - Quartermaster (Individual)	Approved
15.	101-92L-2314	Review Petroleum Laboratory Test Reports.	101 - Quartermaster (Individual)	Approved
15.	101-92L-3406	Perform Quality Surveillance at Petroleum Facilities	101 - Quartermaster (Individual)	Approved
15.	101-92L-4410	Plan Quality Surveillance Operations for Petroleum Facilities.	101 - Quartermaster (Individual)	Approved
15.	101-92L-2315	Supervise Petroleum Quality Analysis System - Enhanced (PQAS-E) Operations	101 - Quartermaster (Individual)	Approved
15.	101-92L-3400	Direct Petroleum Laboratory Procedures	101 - Quartermaster (Individual)	Approved
15.	101-92L-1425	Prepare Petroleum Laboratory Analysis Reports	101 - Quartermaster (Individual)	Approved
15.	101-92L-1426	Compare Test Results to Specification Requirements	101 - Quartermaster (Individual)	Approved
15.	101-92L-4406	Validate Laboratory Operations.	101 - Quartermaster (Individual)	Approved
16.	101-92G-3291	Monitor Field Administration Procedures for Records Accountability	101 - Quartermaster (Individual)	Approved
16.	101-92G-1520	Employ the Multi-Temperature Refrigerated Container System (MTRCS)	101 - Quartermaster (Individual)	Approved
16.	101-92G-3266	Monitor the Operation of Field Feeding Equipment	101 - Quartermaster (Individual)	Approved
16.	101-92G-3279	Coordinate Field Operations Support for a Field Feeding Mission	101 - Quartermaster (Individual)	Approved
16.	101-92G-1151	Perform Food Preparation Procedures for Service	101 - Quartermaster (Individual)	Approved
16.	101-92G-1514	Employ the Food Sanitation Center (FSC)	101 - Quartermaster (Individual)	Approved
16.	101-92G-3255	Establish Field Feeding Site	101 - Quartermaster (Individual)	Approved
16.	101-92G-2164	Train Food Preparation Procedures	101 - Quartermaster (Individual)	Approved
16.	101-92G-2166	Train on Processing Subsistence Procedures	101 - Quartermaster (Individual)	Approved
16.	101-92G-2203	Train Sanitation Services	101 - Quartermaster (Individual)	Approved
16.	101-92G-2211	Complete a Production Schedule Report	101 - Quartermaster (Individual)	Approved
16.	101-92G-2163	Train Food Service Personnel on Operating Field Kitchen Equipment	101 - Quartermaster (Individual)	Approved
17.	101-92Y-3008	Implement the Command Supply Discipline Program (CSDP)	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 4.1.3.11	Provide Water Support
ART 4.1.3.3.3	Provide Petroleum Quality Assurance and Quality Surveillance
ART 4.1.6.1	Conduct Distribution Management
ART 2.0	The Intelligence Warfighting Function
ART 4.1	Provide Logistics Support
ART 4.1.1.1	Perform Preventative Maintenance Checks and Services
ART 4.1.4.3.3	Provide Nutritional Support
ART 4.2.1	Provide Human Resources Support
ART 4.1.7.3.2	Perform Quality Assurance and Surveillance Operations
ART 4.2.4	Provide Religious Support
ART 4.2.4.4	Plan Religious Support
ART 4.1.7.1.2	Provide Facilities Engineer Support
ART 4.2.1.4	Conduct Human Resources Planning and Operations

**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.