

# Training and Evaluation Outline Report

Status: Approved

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Task Number: 10-BN-0201

Task Title: Develop Bulk Petroleum Running Estimate

**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 5-0      | The Operations Process  | 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 4-16     | MOVEMENT CONTROL  | Yes      | No      |                    |
|             | ATP 4-43     | Petroleum Supply Operations   | Yes      | Yes     |                    |
|             | FM 4-95      | Logistics Operations<br><a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm4_95.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm4_95.pdf</a> | Yes      | No      |                    |
|             | PAM 710-7    | HAZARDOUS MATERIAL MANAGEMENT PROGRAM   | Yes      | No      |                    |

**Conditions:** The battalion staff has received an operations order (OPORD) from higher headquarters (HQ) to provide bulk petroleum support and must determine running estimates for required petroleum to support mission requirements. The battalion staff is established and operational to support the higher HQ directed mission. The battalion staff has primary access to main supply routes, approved external logistical support, and it is accessible to all supported and supporting customers/units. Continuous digital and analog communications are established and maintained. All Army, joint, and host nation applicable regulations, approved internal and external tactical standard operating procedures (TSOP), technical manuals (TMs), and field manuals (FMs) are on-hand as reference material. The battalion staff has been provided guidance on rules of engagement for this mission and are continuously receiving updates as situations and mission requirements change. 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 battalion staff is available to provide support during all day and night operations. Specified time constraints are identified in the operations order. The battalion staff has adequate time to prepare. Unit leaders are present in the area of operations to provide further guidance as necessary. Some iterations of this task should be performed in MOPP 4.

**Standards:** The battalion staff develops bulk petroleum running estimates to provide bulk petroleum 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 (For example, conduct an operation, provide logistics, or operate specific equipment, etc.) at the tactical through strategic level as the situation and/or mission(s) dictates.

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) |         |                              |                                      |                              |               |                      |                               |                             |  |                        |
| Dynamic (Single Threat)                                 | Day     | 75-84%                       | 75-79%                               | No                           | 80-90%        | <All                 | 80-89%                        | T-                          | T-   |                        |
|   |         | 65-74%                       | 60-64%                               |                              | 65-79%        |                      | <=79%                         | P                           | P  |                        |
| Static (Single Threat)                                  |         | 60-64%                       | 60-74%                               |                              | 51-64%        |                      |                               | 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 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. 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 staff has received a mission to provide bulk petroleum 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.

## 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.



- b. Manage risk management assessments IAW Army regulations.
- c. Provide logistics status reports to higher HQ IAW TSOP.
- d. Maintain communications with higher HQ and other battalion staff sections IAW TSOP.
- e. Employ physical security measures as required.
- f. Enforce operations security (OPSEC) procedures at all times.
- g. Enforce safety regulations and established unit's internal and external TSOP's.
- h. Ensure that all Army sites and operations attain and sustain 100 percent compliance with environmental laws and regulations in a climate of changing requirements to prevent a notice of violation or a fine for not complying with following host nation, local, state, federal, higher headquarters environmental directives and policies.
- i. Direct destruction of unit equipment to prevent enemy use as situations dictate.
- j. Ensure that Soldiers are trained to conduct mission operations in Offense, Defense, Stability, and Defense Support of Civil Authorities (DSCA) Operations as applicable or required.

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| 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<br>T, T-, P, P-, U        |  |                                      |             |   |             |   |             |   |             |   |

**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-0202  | Conduct Petroleum Support Battalion Operations                         | 10 - Quartermaster (Collective) | Approved |
|             | 10-BN-0203  | Conduct Bulk Petroleum Operations Support                              | 10 - Quartermaster (Collective) | Approved |
|             | 10-BN-0208  | Plan for Multi-modal Bulk Petroleum Distribution Network               | 10 - Quartermaster (Collective) | Approved |
|             | 10-BN-1022  | Operate the Bulk Petroleum Support Area of Logistics Operations Center | 10 - Quartermaster (Collective) | Approved |

**OPFOR Task(s):** None

**Supporting Individual Task(s):**

| Step Number | Task Number  | Title  | Proponent                        | Status   |
|-------------|--------------|--|----------------------------------|----------|
|             | 101-23A-6007 | Provide Technical Assistance in Planning Bulk Petroleum Support Operations   | 101 - Quartermaster (Individual) | Approved |
|             | 101-23A-6008 | Provide Technical Assistance in Determining Joint, Combined, and Host Nation Petroleum Requirements and Capabilities | 101 - Quartermaster (Individual) | Approved |
|             | 101-23A-6009 | Provide Technical Assistance in Preparing Petroleum Requirements to Operations Plans (OPLAN) (Brigade and Below)     | 101 - Quartermaster (Individual) | Approved |
|             | 101-23A-6010 | Provide Technical Assistance for Petroleum Operations  | 101 - Quartermaster (Individual) | Approved |
|             | 101-92A-8061 | Compute a Petroleum Estimate   | 101 - Quartermaster (Individual) | Approved |
|             | 101-FR8-9001 | Plan Bulk Petroleum Operations   | 101 - Quartermaster (Individual) | Approved |
|             | 101-FR8-9002 | Determine Bulk Petroleum Requirements  | 101 - Quartermaster (Individual) | Approved |
|             | 101-FR8-9006 | Determine Location of Petroleum Pump Stations, Terminals, and Supply Points.   | 101 - Quartermaster (Individual) | Approved |
|             | 101-FR8-9010 | Manage Petroleum Pipeline Operations   | 101 - Quartermaster (Individual) | Approved |
|             | 101-FR8-9018 | Prepare Petroleum Portion of Logistics Annex to Operations Plan (OPLAN) and Contingency Plan                         | 101 - Quartermaster (Individual) | Approved |

**Supporting Drill(s):** None

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

| Task ID       | Title   |
|---------------|---|
| ART 4.1.3.3   | Provide Petroleum, Oils, and Lubricants (Class III) |
| ART 4.1.3.3.1 | Provide Bulk Fuel                                   |

**TADSS**

| TADSS ID           | Title | Product Type | Quantity |
|--------------------|-------|--------------|----------|
| No TADSS specified |       |              |          |

**Equipment (LIN)**

| LIN                    | Nomenclature | Qty |
|------------------------|--------------|-----|
| No equipment specified |              |     |

## Material 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:

- a. 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.
- b. 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.
- c. Make Environmental Risk Decisions. Make decisions and develop measures to reduce high environmental risks.
- d. 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:

- a. 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.