

101-92F-1425
Provide Petroleum Products using Force Provider Bulk Storage System
Status: Approved

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, Va foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Conditions: In an operational environment (OE) given the requirement to perform fueling operations. Personnel and materials required to perform task: six military occupational specialty (MOS)-qualified (92F) Soldiers to assist; risk management procedures; applicable Safety Data Sheets (SDS); personal protective equipment (PPE); Force Provider Bulk Storage System with the Forward Area Refueling Equipment (FARE) System or the Force Provider Fuel System (FPFS); fire extinguishers; spill kit/containment and clean up equipment; extra pipe and fittings for berm drains; two 10K bladders; prefabricated supports; one five-ton forklift; Facility Response Plan (FRP); Spill Prevention Control and Countermeasures (SPCC) plan; the unit hazardous waste/hazardous material (HW/HM) management policy; unit standing operating procedure (SOP); oral or written operations order (OPORD); DA Form 2404 (Equipment Inspection and Maintenance Worksheet) or DA Form 5988-E (Equipment Inspection Maintenance Worksheet (EGA)); DA Form 5987-E (Motor Equipment Dispatch (EGA)); DA Form 3643 (Daily Issues of Petroleum Products); and full access to all reference material. This task should not be trained in MOPP 4.

Standards: Layout equipment at selected site and perform operator's preventive maintenance checks and services (PMCS), operate, maintain fuel accountability record, and dismantle the Force Provider Bulk Storage System adhering to SDS without injury to personnel, damage to equipment, or of the environment.

Special Conditions: None

Safety Risk: Low

MOPP 4: Never

Task Statements

Cue: None

<p>DANGER</p> <p>Failure to perform this task may result in damage to equipment or injury or death to personnel. In this task, as with any task involving extensive handling of petroleum products, make sure that equipment is on hand to contain and clean up spills. Unpack, inspect, and position the equipment for convenient access before beginning the task. Review the requirements of the task before performing it to ensure that drip pans and waste fuel containers are the appropriate size to contain waste fuel generated by the task. Use drip pans at any point that a spill is likely to occur (such as valves or nozzles). Continually observe equipment and take care while performing the task to minimize the possibility of petroleum spills. If a spill occurs, immediately stop operations and take steps to stop, contain, and clean up the spill. Report all spills immediately to your supervisor.</p>
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<p>WARNING</p> <p>None</p>

<p>CAUTION</p> <p>None</p>

Remarks: None

Notes: None

Performance Steps

1. Perform risk assessment measures according to health/safety task 101-92F-1160.
2. Employ environmental stewardship measures according to shared task 101-000-0003.
3. Read and understand unit or installation SOP/OPORD requirements for requesting, storing, handling, and disposing of hazardous materials.

CAUTION

Gloves, goggles, and hearing protection need to be worn when performing any fuel operations.

4. Wear appropriate PPE as required.
5. Perform before-, during-, and after-operations PMCS on system's components according to appropriate technical manuals (TMs). Annotate on DA Form 2404 or DA Form 5988-E any faults found while performing PMCS.
6. Unload, using a forklift, and inventory FP fuel equipment.
7. Place FP equipment on site according to layout plan.

Note: Inspect and clear the area inside the berm of all debris and sharp objects before installing the berm liner or the collapsible tank.

NOTE: In the Modified System Cold Weather (MSCW) configuration, the bulk storage system is assembled in the same way as the following steps. However, the tanks and the FPFS pump assembly are placed on 6-inch gravel pads.

8. Set up Force Provider Bulk Storage System.
 - a. Install berm liners and tanks.
 - (1) Position berm liners inside berms and secure with sandbags.
 - (2) Position 10,000-gallon tanks in berms. Ensure that drain valve is located at receiving side of berm.
 - (3) Fold liner and bag back and dig a 2-foot x 2-foot x 8-inch hole to house drain elbow. Flip berm liner down and place two to three sandbags to support elbow. Perform same steps on bag number two.
 - (4) Attach drain hose for berm liner and secure edges of berm liners with sandbags. Repeat same steps for bag number two.
 - (5) Position and connect drain fitting assemblies on each of tank.

Note: There are two types of drain assemblies for this bag, follow the procedures in (a) or (b) for the appropriate bag.

 - (a) Remove drain plugs from drain fittings. Screw in male fitting on end of drain hose into drain fitting. Attach drain control valve to other end of drain hose.
 - (b) Remove drain caps from drain fitting. Connect 2-inch female elbow, then attach two 2-inch x 10-foot drain hose into elbow. Attach drain control valves to other end of drain hose. Place elbow into hole and support with sandbags as needed, ensuring that drain is the lowest part of bag.
 - b. Assemble fill and discharge sides of tanks.
 - (1) Position and connect the 4-inch filler female elbow to filler adapter of each tank.
 - (2) Position and connect two sections of 4-inch x 10-foot suction hose to filler elbow.
 - (3) Install a 4-inch gate valve to end of filler hose.
 - (4) Install 4-inch female x male discharge elbows onto discharge adapter of tank.

Note: Ensure that the T-connection, all valves, and hose connections are kept out of dirt during installation and that the T-connection is laid on clean rock, boards, and so on to keep out of dirt and mud.
 - (5) Position and connect two sections of 4-inch x 10-foot long suction hose to discharge elbow, then connect a 4-inch gate valve to end of hose.

- (6) Install a 4-inch female by 2-inch male adapter on gate valve for discharge side of tank.
- (7) Connect four sections of 2-inch x 5-foot long suction to adapter from discharge side of each tank.
- (8) Install a 2-inch butterfly valve to end of discharge hose from each tank.
- (9) Connect both butterfly valves to T-connection fitting. Ensure that T-connection is raised off ground.

Note: Force Provider currently has two distribution systems in use (the standard FARE system and the Force Provider Fuel System (FPFS)). The FPFS is a rack fueling system that is replacing the FARE system. Follow the procedures in step "c" for the FARE system and step "d" for the FPFS.

c. Assemble FARE system.

- (1) Position and connect one 2-inch x 5-foot long suction hose to end of T-fitting.
- (2) Position pump on level ground, at end of suction hose, with inlet port of pump facing toward fuel tanks.
- (3) Connect hose from T-connection to pump's inlet port.

Note: Ensure that the inlet port on the pump is facing toward the T-fitting that joins the two tanks.

- (4) Position and connect two 5-foot sections of suction hose at discharge end of pump to pump's discharge port.

(5) Position filter separator on level ground, at end of suction hoses leading from discharge port of pump. The filter separator inlet port should be facing pump.

(6) Drive one grounding rod/nozzle hanger at least three feet into ground, halfway between pump and filter separator. Attach grounding cable clips from grounding rod to pump and filter separator.

- (7) Connect two 2-inch x 5-foot suction hose from outlet of pump to inlet side of filter separator.
- (8) Connect one 2-inch x 5-foot suction hose to outlet side of filter separator.
- (9) Connect water detector kit adapter to suction hose.
- (10) Connect y fitting to other end of water detector kit adapter.
- (11) Connect 2-inch x 50-foot discharge hose assemblies to open ends of Y-fitting and lay them out to two fueling sites.
- (12) Lay out one 2-inch female coupler x 1 1/2 -inch male coupler adapter and 1 1/2-inch nozzle at each of fueling points.

CAUTION

Maintain a minimum space of 25 feet between fueling points.

- (13) Connect one 2-inch female coupler x 1 1/2-inch male coupler adapter and 1 1/2-inch nozzle at each of fueling points.

(14) Walk about ten feet back toward the Y-fitting, drive a grounding rod/nozzle hanger at least three feet into ground and hang nozzle on hanger, repeat for other point.

- (15) Attach grounding cable to grounding rod and to nozzle at each of two fueling points.

WARNING

Four personnel are required to lift the pumping assembly. Failure to observe this warning may result in injury to personnel.

d. Assemble FPFS.

- (1) Position pump assembly where indicated by staking. This should be no more than 20 feet from fuel source.
- (2) Install a 2-inch elbow onto a 4-inch x 2-inch reducer.
- (3) Lay out and connect two 2-inch x 10-foot discharge hoses onto a 2-inch elbow.
- (4) Install 2-inch fuel distribution Tee with butterfly valves attached onto end of discharge hose.
- (5) Lay out and connect two 2-inch x 10-foot discharge hoses to T-connection fitting.

WARNING

Extreme care must be taken to prevent injury to fingers or hands when driving ground rods. Do not position hands between ram and drive color. Gloves should be worn. To avoid possible spark between the items and ground rod, ensure all connections are tight. Failure to do so may cause severe injury or death to personnel resulting from explosion caused by static electric discharge.

- (6) Connect other end to FPFS fuel pump inlet port.

CAUTION

Maintain a minimum space of 25 feet between fueling points.

- (7) Install ground rod at least three feet into the earth and no more than three feet from FPFS pump assembly.
- (8) Drive grounding rods/nozzle stands into earth approximately 40 feet away from FPFS.
- (9) Unwind fuel hoses from reel and install fuel nozzles.
- (10) Place nozzles on stands.
- (11) Reel out ground cable and clamp cables to nozzle stands until needed.

e. Prepare fueling sites.

- (1) Position a fire extinguisher, drip pan with absorbent material, and a 5-gallon water can at each fuel point.
- (2) Inspect 10,000-gallon tanks for holes, tears, or cuts to fabric of tank and for leaks or deterioration.
- (3) Place poles that stand six feet tall on both sides of fuel tank and tie a string between two poles to mark maximum amount of fuel that the tank should be filled safely according to appropriate TM (four feet).
- (4) Check valves and fittings for broken handles and broken hand wheels and check Y-fittings and T-fitting for proper connection and evidence of leakage.
- (5) Check suction and discharge hoses for cuts, dry rot, blistering, and damaged clamps.
- (6) Check fuel nozzles for presence and condition of dust plugs, ensure grounding cables are in place and check cleanliness of strainer.
- (7) Check fire extinguishers for condition and date of inspection/fill.
- (8) Perform before-, during-, and after-operations PMCS according to appropriate TM. Record any defects on DA Form 2404 or DA Form 5988-E and report to your supervisor.
 - (a) Follow before-, during-, and after-operations PMCS procedures outlined in appropriate TM.

(b) Inspect for physical damage that might prevent successful operations.

(c) Operate pump(s) in accordance with applicable specifications. Ensure BII is operable without damage to pump(s).

(d) Inspect for obvious leaks and unusual noises. Troubleshoot equipment as outlined in appropriate TM.

(e) Annotate on DA Form 2404 or DA Form 5988-E any deficiencies that cannot be fixed by operator. Notify supervisor if system/equipment is found to be non-mission capable (NMC).

9. Receive bulk fuel.

a. Check valves and fittings for broken handles and broken wheels. Check all fittings for proper connection and evidence of leakage.

b. Check suction and discharge hoses for cuts, dry rot, blistering, and damaged clamps.

c. Check fuel nozzles for presence and condition of dust plugs. Ensure grounding cables are in place and check cleanliness of strainer.

d. Guide bulk fuel supply vehicle to fill side of 10,000-gallon tank.

e. Connect suction hose on fill side to discharge hose on truck and request that delivery driver open discharge valve once connection is secure.

f. Open gate valve on fill side of storage tank, allowing fuel to flow from truck to storage tank.

g. Close gate valve on fill side of tank before top of tank touches string.

h. Close discharge valve and cap discharge hose on delivery vehicle without spilling any fuel.

i. Cap fill hose and reopen fill side gate valve to permit any fuel left in fill hose to flow into tank.

j. Walk hose toward fill side gate valve to force any fuel into storage tank.

k. Repeat steps for other 10,000-gallon tank.

10. Prepare bulk storage system for operation.

Note: Follow the procedures in step "a" for the FARE system and step "b" for the FPFS.

a. Prepare FARE system.

(1) Ensure pump is primed, if not, remove priming plug from top of pump, fill pump with fuel, and replace priming plug, only when required.

(2) Open filter separator air vent valve by pushing it down until it locks in place and close water drain valve by turning hand wheel to right on filter separator.

(3) Open gate valve on discharge end of one bulk fuel tank and open butterfly valve at T-fitting.

(4) Start pump engine and select appropriate speed based on fuel lift.

Note: Run pump engine at idle speed to lift the fuel two feet or less. Run the engine above idle speed but less than full throttle to lift the fuel two to five feet. Run the pump at full throttle to lift the fuel five feet or more.

(5) Reduce engine speed upon hearing the pump engine slow down (engine has reached full prime) so the filter separator can fill slowly.

(6) Close the air vent valve on filter separator at the first site of fuel and then check the pressure gauge.

Note: Check the pressure gauge for the following.

GREEN: 0 to 20 psi - CLEAN

YELLOW: 20 to 35 psi - CHANGE AT END OF OPERATION

RED: 35 psi AND ABOVE - CHANGE AT ONCE

(7) Take fuel samples from each nozzle to test for contamination as soon as the system is full of fuel.

b. Prepare the FPFS.

- (1) Connect the FPFS pump assembly power cord to the nearest PDISE-M100.
- (2) Momentarily turn on the pump power switch to verify proper rotation of pump.
- (3) Prime pump by opening the priming port and filling the pump with fuel.
- (4) Place the supply valves in the open position.
- (5) Open the gate valve on the discharge end of one bulk fuel tank and open the butterfly valve at the T-fitting.
- (6) Check all fuel lines and connections for fuel leaks. Tighten connections as necessary.
- (7) Turn on the pump power switch.
- (8) Open the vent located on top of each filter.
- (9) Allow the air to vent fully. Close vent when fuel begins to flow from the vent.
- (10) Place nozzle into approved fuel container and let air escape from fuel line. When fuel begins to flow from the nozzle, release the handgrip to shut it off.
- (11) Take fuel samples from each nozzle to test for contamination as soon as the system is full of fuel.

11. Dispense fuel.

Note: The procedures for dispensing fuel are basically the same for both the FARE system and the FPFS.

- a. Position spill container under fill port of each vehicle being refueled and fire extinguisher within easy reach of fueling operation.
- b. Ground vehicle with grounding clip from nozzle hanger.
- c. Remove dust cap from the fuel nozzle and the receptacle cap from customer vehicle.
- d. Insert the nozzle into the filler port of vehicle maintaining metal to metal contact between the nozzle and the fuel receptacle during the entire time of fueling.
- e. Signal the pump operator to turn on the power switch and then squeeze the nozzle trigger to fill vehicle until almost full. For the FARE system, the pump operator increases the pump's engine speed to full throttle.
- f. Release the trigger, signal the pump operator to turn off the power switch, and remove the nozzle. For the FARE system, the pump operator decreases the engine speed to idle before shutting the engine pump.
- g. Reinstall the dust cap on the nozzle and filler cap on the vehicle.
- h. Replace the nozzle on grounding rod and move the fire extinguisher and spill containers to their original position.
- i. Remove the grounding clip from the vehicle and clamp back to the nozzle stand.
- j. Ensure appropriate entries are made to DA Form 3643 according to FM 10-67-1, Chapter 3.
- k. Clean up and dispose of any fuel according to spill contingency plan.

12. Dismantle the Force Provider Bulk Storage System.

Note: Follow the procedures in step "a" for the FARE system and step "b" for the FPFS.

- a. Dismantle the FARE system.
 - (1) Shut down the pump engine.
 - (2) Close the discharge end gate valves at each fuel tank and the butterfly valves at the T-fitting.
 - (3) Squeeze the filler nozzle into the spill container to drain fuel.

WARNING

Steady the filter separator during the draining process to avoid fuel spills and damage to equipment or injury to personnel. Leave grounding cables connected to both grounding rods and grounded components as long as possible to avoid injury due to electrical shock.

- (4) Position the filter separator so the water drain valve is over the spill container.
- (5) Open the air vent valve of the filter separator and the water drain valve by turning the hand wheel to the left. Drain separator. Once drained, close drain valve.
- (6) Position the filter separator so that the outlet port is over the spill container.
- (7) Disconnect the suction hose from the filter separator outlet and cap the hose ends and the outlet port.
- (8) Reposition the separator so that the inlet port is over the container, then disconnect the hose from the inlet port and cap the hose.
- (9) Ensure that the separator is drained and plug the inlet port, close the air vent valve and set the separator back onto the ground. Disconnect the grounding cable.
- (10) Place the spill container under the Y-fitting. Disconnect the right discharge hose from the Y-fitting and cap the fitting.
- (11) Hold the open end of the discharge hose inside the spill container. Remove grounding cable and rod from filler nozzle.
- (12) Remove the filler nozzles from the end of the disconnected discharge hose over pail/spill container.
Note: Ensure Soldiers only remove nozzles from discharge hoses after they have been disconnected from the Y-fitting and the disconnected end of the hose from the Y-fitting is placed over a spill container.
- (13) Stretch hose to its full length and lift the nozzle end of the hose at least shoulder high. Walk the fuel hose towards the Y-fitting and drain fuel into spill container.
- (14) Cap the male end of the hose and use it as a reel for rolling the hose, starting at the male end. Lay the hoses on the ground and cap the female end.
- (15) Remove the cap from the Y-fitting and hold the Y-fitting in the spill container.
- (16) Repeat steps (10) through (15) to dismantle the left discharge hose ensuring that the female end of the hose is over drip pan while they roll the hose.
- (17) Raise the suction hoses, remove the caps and drains the hoses.
- (18) Disconnect the Y-fitting and water adapter from the suction hose and cap/plug the Y-fitting and cap end of the suction hose.
- (19) Place spill container under the T-connection and the 2-inch suction hose. Disconnect suction hose at the T-fitting.
- (20) Tilt the pump towards the fitting, draining the fuel from pump and hose.
- (21) Disconnect the suction hose from the pump inlet and cap the hose and inlet port. Cap hoses between pump and T-fitting.
- (22) Place spill container under the 2-inch suction hose at the outlet/discharge side of pump and remove cap and drain the hose.
- (23) Tilt the pump towards the spill container, draining the fuel from pump and hose.
- (24) Disconnect the suction hose from the pump outlet and raise the suction hose to drain it. Cap both ends of the hose and remove grounding cable and rod.
- (25) Place the spill container under the fitting between the 2-inch x 4-inch reducer of each tank and disconnect the reducer from the gate valves.

(26) Hold the open end of the suction hose in the spill container, raising the reducer and hose to shoulder height from tank number 2 and remove butterfly valve.

(27) Walk the hose toward the spill container and disconnect hoses and cap all ends.

b. Dismantle the FPFS.

WARNING

Some fuel spillage may occur whenever couplings are opened. Be prepared to collect residual fuel from hose with a pail and rags. Failure to observe this warning may result in environmental and equipment contamination, as well as potential fire hazard.

(1) Stop fueling operations.

(2) Close the discharge end gate valves at each fuel tank and the butterfly valves at the T-fitting.

(3) Squeeze the filler nozzle into the spill container to drain fuel.

(4) Prepare pump assembly for storage or shipment as follows:

(a) Turn off the power switch.

(b) Disconnect pump assembly power cord from power source.

(c) Disconnect fuel feeder hose from pump assembly and drain fuel in hose into proper fuel container.

(d) Open vent on top of filters.

(e) Place a container under the drain valve of each filter and open the drain valve.

(f) Disconnect nozzles from distribution hoses and walk hoses to the filter to drain them.

(g) Reel the fuel distribution hoses back onto the reel.

(h) Open priming port and place a container under the pump drain valve.

(i) Open pump drain valve.

(j) Reel grounding cables back onto the cable reel and recover ground rod.

(k) Disconnect the 2-inch fuel hoses.

(l) Disconnect fuel distribution Tee and 2-inch angle valves.

(m) Place components, including fire extinguishers, into pump assembly equipment tray.

(n) Place cover over pump assembly.

13. Dismantle tanks.

a. Raise the gate valve, from tank number two, shoulder high and remove the valve.

b. Walk the hose toward the tank discharge elbow to permit any residual fuel in the 4-inch hoses to drain into the tank.

c. Disconnect the elbow from the tank and cap it, disconnect hoses and cap them.

- d. Remove and cap the safety/air vent valve.
- e. Disconnect the fill elbow and hold hose shoulder high.
- f. Walk the hose twice, then close gate valve and disconnect from the black hose.

WARNING

Do not use the fuel collected in the spill container until it has been sampled, tested, and found to be usable.

- g. Repeat steps on tank number one and then follow the same procedures to remove the fill side valves, hoses, and elbows.
14. Perform after-operations PMCS according to appropriate TM.
- a. Record any defects on DA Form 2404 or DA Form 5988-E.
 - b. Report any defects to the supervisor.
15. Fold the 10,000-gallon tanks.
16. Clean components of fuel and residue, as required, using the berm liners to contain any contaminated water as HW.
17. Clean and fold the berm liners as required.
18. Dispose of contaminated fuel according to spill contingency plan.
19. Fill 500-gallon collapsible fuel drums.
- Note: The Tactical Quiet Generator (TQG) does not actually run directly off of the 500-gallon collapsible fabric drums, but rather use the drums to refill their own internal tank when the level falls too low.
- a. Use towing yoke and an appropriate vehicle transport drum to bulk diesel facility in accordance with appropriate TM.
 - b. Ensure pumping assembly is not operating and gate valves on discharge side of tanks are closed.
 - c. Position nozzle over a barrel or pail, squeeze nozzle handle, and walk out hose from filter separator to nozzle.
 - d. Remove nozzle from discharge hose of either bulk diesel branch leg, using care to collect any spillage from hose.
 - e. Immediately install pressure control and short hose onto hose.
 - f. Connect short hose to coupling on drum. Open hand wheel on drum.
 - g. Open valves.
 - h. Start pumping assembly in accordance with appropriate TM.
 - i. Fill drum in accordance with appropriate TM.
 - j. When fueling is complete, stop pumping assembly in accordance with appropriate TM.
 - k. Close hand wheel.
 - l. Disconnect short hose from drum, using care to collect any residual from hose.
 - m. Transport filled drum in accordance with appropriate TM.
 - n. Power generation personnel shall position filled fuel drum back in service in accordance with appropriate TM.

o. Remove pressure control and short hose from hose and immediately install nozzle onto hose. Be prepared to catch any fuel leakage that may occur. Annotate information on the proper fuel accountability forms.

p. Annotate information on the proper fuel accountability forms and report to supervisor.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier scores NO-GO, show the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: See task Conditions and Standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed risk assessment measures according to health/safety task 101-92F-1160.			
2. Employed environmental stewardship measures according to shared task 101-000-0003.			
3. Read and understood unit or installation SOP/OPORD requirements for requesting, storing, handling, and disposing of hazardous materials.			
4. Wore appropriate PPE as required.			
5. Performed before-, during-, and after-operations PMCS on system's components according to appropriate technical manuals (TMs). Annotate on DA Form 2404 or DA Form 5988-E any faults found while performing PMCS.			
6. Unloaded and inventory FP fuel equipment using a forklift.			
7. Placed FP equipment on site according to layout plan.			
8. Set up Force Provider Bulk Storage System (using the FARE system or FPFS).			
9. Received bulk fuel.			
10. Prepared bulk storage system for operation (using the FARE system or the FPFS).			
11. Dispensed fuel (using the FARE system or FPFS).			
12. Dismantled the Force Provider Bulk Storage System (FARE system or FPFS).			
13. Dismantled tanks.			
14. Performed after-operations PMCS according to appropriate TM.			
15. Folded the 10,000-gallon tanks.			
16. Cleaned components of fuel and residue, as required.			
17. Cleaned and folded the berm liners as required.			
18. Disposed of contaminated fuel according to spill contingency plan.			
19. Filled 500-gallon collapsible fuel.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-34.5	Environmental Considerations	Yes	No
	ATP 4-43	Petroleum Supply Operations	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT	Yes	No
	DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	Yes	No
	DA FORM 3643	DAILY ISSUES OF PETROLEUM PRODUCTS	Yes	No
	DA FORM 5987-E	MOTOR EQUIPMENT DISPATCH (EGA)	Yes	No
	DA FORM 5988-E	Equipment Inspection Maintenance Worksheet	Yes	No
	TB 10-5430-253-13	Technical Bulletin for Collapsible Fabric Fuel Tanks	Yes	Yes
	TM 10-4930-229-12&P	OPERATOR AND UNIT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR FORWARD AREA REFUELING EQUIPMENT (FARE) (AMERICAN AIR FILTER MODEL RFE 1000) (NSN 4930-00-133-3041)	Yes	Yes
	TM 10-4930-238-12&P	OPERATORS AND UNIT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR FORWARD AREA REFUELING EQUIPMENT (NSN 4930-01-301-8201) (REPRINTED W/BASIC INCL C1)	Yes	Yes
	TM 10-5419-206-13	Technical Manual Operator's, Unit, and Direct Support Maintenance Manual for Force Provider FP Module, LITE,Tan; FP Module, LITE,Green; Modification System,Power Generation; Modification System,Prime Power;Modification System,Cold Weather	Yes	No
	TM 10-5430-262-13&P	Operator and Field Maintenance Manual Including Repair Parts and Special Tools List for Tank, Fabric, Collapsible, Fuel, 10,000 Gallon (Model GTA-10KF-01) (NSN 5430-01-567-8811)	Yes	No
	TM 10-5430-266-13&P	OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR TANK, FABRIC, COLLAPSIBLE, FUEL STORAGE 10,000 GALLON MODEL MPC-F-10K-AA (NSN 5430-01-567-8835) (EIC: 6GQ)	Yes	No
	TM 10-8110-201-14&P	OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR DRUMS, FABRIC, COLLAPSIBLE, NON-VENTED, 500 GALLON, LIQUID FUEL, PART NO	Yes	No

TADSS : None

Equipment Items (LIN): None

Materiel Items (NSN) :

Step ID	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. Ensure spills are cleaned up, reported as required by unit policies, procedures, and applicable environmental laws.

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. Apply risk management programs, Verify that applicable Material Safety Data Sheets (MSDS) are maintained, Check the appropriate personal protective equipment (PPE) is being worn and maintained.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
101-92F-1408	Account for Petroleum Products	101 - Quartermaster (Individual)	Approved
101-92F-1405	Perform Quality Surveillance on Petroleum Products	101 - Quartermaster (Individual)	Reviewed
101-92F-1160	React to Petroleum Products Health / Safety Hazards	101 - Quartermaster (Individual)	Approved

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
101-K-P10012	Knowledge of safety procedures when handling petroleum products
101-K-P10011	Knowledge of unit's SOP and local policy requirements and their location
101-K-P10010	Knowledge of Personal Protective Equipment (PPE) and its usage
K263	Knowledge of the assembly, operation, and disassembly of the Force Provider Fuel System (FPFS)
101-K-1256	Knowledge loading/unloading materials using material handling equipment
101-K-P10008	Knowledge of Material Safety Data Sheets (MSDS)
101-K-P10007	Knowledge of Risk Management procedures and control measures
K262	Knowledge of the assembly, operation, and disassembly of the Force Provider Bulk Fuel Storage and Distribution Subsystem
K705	Know the characteristics of the Force Provider Bulk Storage System
K704	Know how to perform Preventive Maintenance Checks and Services (PMCS) on the Force Provider Bulk Storage System
101-K-P10017	Know how to read and interpret appropriate Field Manuals and Technical Manuals
101-K-P10016	Knowledge of the Environmental Stewardship Protection Program measures
101-K-P10013	Knowledge on how to prevent hazardous material spills
101-K-P10018	Knowledge of Preventive Maintenance Checks and Services (PMCS) procedures
K7913	Recognize Inhalation Hazards
101-K-M002	Know how to identify risks and hazards.
K641	Know how to prepare petroleum accountability forms (DA Form 3643, 2765-1, and DD Form 1898)
101-K-P10039	Knowledge of how to load and dispense fuel with petroleum tankers IAW technical manuals and unit
101-K-P10032	Know how to complete DA Form 2404, 5988-E, 5987-E, 3643, DD Form 1970 and 1898
101-K-0017	Knowledge of SOP/Operations Order Requirements for Handling/Disposal of Hazardous Materials
K599	Know how to perform personal protective measures when handling petroleum products
K596	Knowledge of petroleum products fire hazards and sources of ignition
101-K-P10042	Know how to load and dispense fuel using various types of nozzles (close circuit refueling (CCR)
K598	Know how to identify petroleum products health hazards
K304	Know site selection considerations for petroleum operations
K597	Know how to perform first aid for petroleum products related injuries
101-K-P10044	Knowledge of how to operate a forklift
101-K-P10045	Knowledge of how to assemble, operate, and disassemble the Forward Area Refueling Equipment (FAR
101-K-P10046	Knowledge of how to lift heavy petroleum equipment
031-K-627-021	Knowledge of Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120 requirements

Skills :

Skill ID	Skill Name
101-S-P10018	Ability to read and interpret appropriate Field Manuals and Technical Manuals
101-S-P10017	Ability to apply Environmental Stewardship Protection Program measures
S1674	Ability to perform Preventive Maintenance Checks and Services (PMCS) on the Force Provider Bulk Storage System
101-S-P10014	Ability to prevent spills of hazardous materials
101-S-P10013	Ability to apply safety procedures when handling petroleum products
101-S-P10012	Ability to read, understand, and comply with unit's SOP and local policies
101-S-P10011	Ability to wear Personal Protective Equipment (PPE)
101-S-P10007	Ability to apply Risk Management procedures and control measures
101-S-P10033	Ability to complete DA Form 2404, 5988-E, 5987-E, 3643, DD Form 1970 and 1898

S1578	Ability to perform first aid for petroleum products related injuries
101-S-1413	Ability pickup, move and unload items of supplies with use of material handling equip (MHE)
101-S-P10019	Ability to perform Preventive Maintenance Checks and Services (PMCS)
101-S-P10047	Ability to lift heavy petroleum equipment
S1000	Identify site selection considerations for petroleum operations
805C-S-0215	Ability to read and interpret the local SOP
101-S-P10046	Ability to assemble, operate, and disassemble the Forward Area Refueling Equipment (FARE) IAW un
S1577	Ability to identify petroleum products fire hazards and sources of ignition
S1611	Ability to prepare petroleum accountability forms (DA Form 3643, 2765-1, and DD Form 1898)
101-S-P10045	Ability to operate a forklift
101-S-P10040	Ability to load and dispense fuel with petroleum tankers IAW technical manuals and unit's SOP
101-S-10009	Ability to determine safety measures from Material Safety Data Sheets (MSDS)
101-S-10008	Ability to extract information from Material Safety Data Sheets (MSDS)
S-101-E-0101	Ability to assemble, operate, and disassemble the Force Provider Bulk Fuel Storage and Distribution Subsystem
S-101-E-0102	Ability to assemble, operate, and disassemble the Force Provider Fuel System (FPFS)
S0199	Recognizing risks and hazards
S1579	Ability to identify petroleum products health hazards

ICTL Data :

ICTL Title	Personnel Type	MOS Data
92F Petroleum Supply Specialist SL10	Enlisted	MOS: 92F, Skill Level: SL1, Duty Pos: QFQ