

**101-92F-4309**  
**Control Petroleum Operations using an Inland Petroleum Distribution System (IPDS)**  
**Status: Approved**

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**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\_TD Fort Lee 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 determine throughput requirements, monitor maintenance, and to control the movement, issue/receipt, and storage of bulk petroleum products using an inland petroleum distribution system. Personnel and materials required to perform task: military occupational specialty (MOS)-qualified (92F) Soldiers; transport equipment and primary components of TPT, which consist of three fuel units, Tank Farm Assemblies with two 5,000 barrel (bbl) fabric tanks each), a Tanker Truck Receipt Manifold, a Fuel Dispensing Assembly, waterborne petroleum tanker and facilities, petroleum products, operational data/records, storage capacities and strapping charts for each terminal, number and location of pump stations, line fills, graph paper, slope table with parallel ruler, assorted colored pencils, information concerning specific petroleum requirements, amount of product on hand, communications equipment, risk management procedures, Safety Data Sheets (SDS), personal protective equipment (PPE), fire extinguishers, spill kits/containment and clean up equipment, Facility Response Plan (FRP), Spill Prevention Control and Countermeasures (SPCC) plan, Oil Discharge Contingency Plan (ODCP) (if required), oral or written operations order (OPORD) or Fragmentary Orders (FRAGO), unit standing operating procedures (SOP), daily pumping order, DA Form 2765-1 (Request for Issue or Turn-in), DA Form 3643 (Daily Issues of Petroleum Products), DA Form 3644 (Monthly Abstract of Issues of Petroleum Products and Operating Supplies), DA Form 3857 (Commercial Deliveries of Bulk Petroleum Products Checklist), locally produced Petroleum Products Pump Station Hourly Operations Record, DA Form 4786 (Petroleum Products Tank Farm Intake Record), DA Form 5464-R (Petroleum Products Pipeline Leakage Report), DD Form 250 (Material Inspection and Receiving Report), a partially completed DD Form 250-1 (Tanker/Barge Material Inspection and Receiving Report), and full access to all reference materials. This task should not be trained in MOPP 4.

**Standards:** Determine throughput requirements and control the receipt, storage, issue, and movement of bulk petroleum products from an IPDS according to the pumping order, without damage to equipment, injury to personnel, or pollution to the environment; maintaining accountability and quality surveillance of petroleum products and monitoring maintenance of pipeline sections as required.

**Special Conditions:** None

**Safety Risk:** Low

**MOPP 4:** Never

**Task Statements**

**Cue:** None

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** None

**Notes:** None

## Performance Steps

1. Determine throughput requirements for the petroleum pipeline.
  - a. Obtain OPORD or FRAGOs of the given task and current operational situation or operation tempo.
  - b. Obtain each terminal's throughput requirements from the monthly consumption graph and daily pumping order.
  - c. Analyze requirements and capabilities to determine if available assets can support mission or task.
  - d. Check each terminal's on-hand balances for accuracy.
  - e. Check each terminal's issues for accuracy.
  - f. Check, by type, the amount of product received for the period by each terminal.
  - g. Check, by type, the amount of product issued for the period by each terminal.
  - h. Check, by type, the amount of product on hand at each terminal.
  - i. Reconcile the above figures to ensure each terminal will be able to meet the required throughput figures.
  - j. Prepare OPORD for pumping operations.
2. Perform risk assessment measures according to health/safety task 101-92F-1160.
  - a. Understand and implement the risk management process, risk controls, and command guidance directed by higher headquarters (HQ).
  - b. Assess variable hazards continuously and report risk and risk reduction measures as appropriate to the chain of command.
  - c. Integrate risk management into planning and preparing for operations and training activities.
  - d. Assess subordinates effectiveness in managing risk in order to gain insight into areas for improvement and gather feedback on their understanding and application of risk guidance.
3. Maintain and familiarize with applicable reference materials.
  - a. Unit SOP.
  - b. Operations order (OPORD) and Concept of Support.
  - c. Local ordinances, environmental laws, and policies.
  - d. Pipeline trace(s).
  - e. Host Nation Support (HNS) agreement (if overseas).
4. Ensure communication equipment is on hand and mission capable.
5. Ensure required personnel and equipment to accomplish task are available and mission capable.
  - a. Identify implied and specific requirements from OPORD.
  - b. Analyze requirements and capabilities.
    - (1) Calculate available storage facilities (fixed or mobile).
    - (2) Calculate amount of time required for movement of product through pipeline to specified destinations.
  - c. Identify personnel, equipment, and supplies to maintain operations on a 24-hour basis.

6. Project maintenance and supply replenishment, as required.

- a. Identify engineer support for construction of additional facilities or repair of existing facilities.
- b. Maintenance requirements for terminal, pump, and pipeline components.
- c. Pipeline and pumping schedules in support of petroleum supply requirement.
- d. Identify equipment maintenance support activity.
- e. Identify requirements and capabilities.
- f. Monitor compliance of quality surveillance program.
- g. Monitor proper accountability of petroleum products.
- h. Ensure spare parts or system components are on hand.
- i. Establish reorder procedures for repair parts or equipment that are beyond repair.

7. Perform duties as shift dispatcher of the pipeline distribution system.

a. Prepare a consumption graph for each product at each terminal as follows:

(1) Prepare a graph sheet with thousands of barrels on vertical axis and days of month on horizontal axis (a day being calculated from 0001 of one day to 0001 of the next).

(2) Show an allowance for vapor space of 5 percent of total storage capacity. Designate this by making spaced slashes through areas of graph designated for vapor space.

(3) Show theater determined safety level in the same way at bottom of chart.

(4) Plot calculated issues and receipts using a broken line. Plot actual issues and receipts using a solid line. All receipts are shown by a vertical line plotted at the end of the day. Daily issues to local customers and pipeline issues are shown on the same graph.

(5) Show reduced storage capacity for tank cleaning and repairs.

b. Schedule dispatch of products into pipeline based on consumption graph.

c. Direct batching sequence of products into pipeline.

d. Prepare monthly pipeline schedule as follows:

(1) Prepare a graph with vertical axis representing total line fill for system in thousands of barrels and horizontal axis representing working hours per day.

(2) Represent terminals on vertical axis at their respective line fill distance.

(3) Graph location and movement of each batch through pipeline. Label each batch by product and batch number. Graph each batch with a different color pencil.

(4) Show pipeline shutdown by graphing a dotted line along vertical axis for portion of pipeline to be shut down and a dotted line along horizontal axis during time it is to be shut down.

(5) Show stripping of product from a terminal in the same manner. Note in block formed by lines that stripping is taking place.

e. Prepare daily pumping schedule. As a minimum, pumping schedule describes batches moving in and out of terminals on pipeline, time in and out of each terminal, and any other special instructions required to operate pump stations along pipeline.

f. Keep records of hourly reports received from pump stations, tank farms, dispensing stations, and other installations; fuel receipts into pipeline; fuel delivered to installations along line; fuel left in system; and fuel lost.

- g. Render status reports and other reports to chain of command as required by unit SOP.
  - h. Establish and maintain records and reports according to SOP.
8. Manage installation of petroleum pipeline sections.
- a. Publish fire regulations.
  - b. Verify that personnel are briefed on safety and environmental hazards prior to beginning operations.
  - c. Coordinate with product control section for daily pumping order, 24 hours in advance of operations.
  - d. Establish work schedules and assign duties.
  - e. Issue daily pumping orders to subordinates.
  - f. Maintain operating directives.
  - g. Monitor communications for communications security (COMSEC) discipline.
  - h. Coordinate with service support section for ground maintenance.
  - i. Coordinate patrolling of pipeline with section leaders.
  - j. Maintain quality surveillance.
  - k. Monitor pipeline repairs.
    - (1) Ensure that pipeline replacement parts and equipment are on hand to repair pipeline.
    - (2) Coordinate shutdown of pipeline to install new sections of pipeline or for replacement of valves.
    - (3) Verify pipeline sections are evacuated in an environmentally safe manner and that waste fuel is disposed of properly in accordance with applicable environmental laws and regulations.
    - (4) Enforce safety procedures.
    - (5) Verify proper testing procedures are conducted on pipeline in accordance to unit tactical standing operating procedure (TSOP).
  - l. Monitor operations for safety and environmental infractions.
    - (1) Ensure appropriate personnel protective equipment (PPE) is worn.
    - (2) Shut down operations immediately if any violations occur and correct them.
    - (3) Report spills as required by applicable environmental laws, policies, and regulations.
  - m. Coordinate restart of pipeline operations with operations section.
  - n. Establish and maintain records and reports according to unit SOP.
    - (1) Accountability and Inventory.
    - (2) Petroleum Quality Maintenance.
    - (3) Other incident or event that require recording and reporting.
9. Manage tactical petroleum terminal (TPT) operations.
- a. Conduct a reconnaissance of the selected site check the following areas:

- (1) Inspect site for proper drainage to prevent water damage.
- (2) Inspect site for adherence to limit of 1.5 percent slope allowance to prevent tanks from rolling toward the low side of terrain.
- (3) Inspect positioning of pump stations, collapsible fabric tanks, fuel tank assemblies, and hose line distribution assemblies for prescribed distances between components.

(4) Inspect site selection for access to road nets.

b. Control installation of Tactical Petroleum Terminal.

(1) Coordinate site preparation and earth work.

- (a) Ensure site is graded to meet drainage and slop requirements.
- (b) Verify that all sharp objects that could damage fabric tanks are removed from prepared site.
- (c) Direct construction of wooden supports to relieve stress on elbow of fabric tanks.
- (d) Direct digging of trenches and fire walls to protect storage locations.

(2) Provide layout plan to section chiefs and designate responsibilities for each.

(3) Provide technical assistance/guidance to section personnel.

(4) Coordinate with naval personnel for emplacement of ship-to-shore interface system with beach termination unit (BTU).

c. Conduct briefing and ensure personnel are knowledgeable on Concept of Operations in accordance with OPORD, unit SOP, and specific guidelines that pertain to task or mission.

(1) Ensure personnel understand mission or task at hand.

- (a) Individual tasks or specific role of every personnel to accomplish mission.
- (b) Collective tasks that a group needs to perform to support mission.

(2) Explain degree of risks involved that personnel needs to be aware of.

(3) Stress safety for personnel to incorporate throughout operations.

(4) Spill prevention and control measures.

(5) Hazardous waste/hazardous material (HW/HM) management and environmental hazards.

(6) Discuss specific guideline that pertains to Tactical Petroleum Terminal.

- (a) Orientation of site.
- (b) General operating rules for receiving, issuing, intra-terminal transfer, records and reports.
- (c) Transfer procedures to and from pipeline. Specifically procedures for handling product interface.
- (d) Tank-Truck receipt manifold procedures.
- (e) Fuel Dispensing procedures.
- (f) Communication procedures.
- (g) Maintaining records for accountability of product and pump operations.

(h) Fire drills.

d. Conduct final inspection prior to operation.

(1) Integrity and height of tank berms – closed berm drain valve.

(2) Floodlight location, operability, and grounding.

(3) Fabric collapsible tank layout and connections.

(4) Pump location, operability, servicing, and grounding.

(5) Meter-strainer flow direction and grounding.

(6) Filter separator flow direction, test adapter installation, and grounding.

(7) Hose line, valves, and fittings couplings closed, flanges tight, valve packing glands tight, valves in operable position and closed. No sharp bends, proper lay on tank tops, sandbags on free ends and bends subject to whip, and the general condition of the hose line.

(8) Sampling assembly in operable location, joints tight, valves closed, and grounding.

(9) Fire suppression equipment charged, ready to operate, and in proper location.

(10) SAFETY and NO SMOKING signs readable and in proper location.

(11) Review pressure test results and evidence of corrective action.

(12) Road crossing protection (culverts and suspension devices) in place where needed.

(13) Range poles installed properly with cross cord at correct height.

(14) Corrective painting complete.

(15) Equipment identification marking correct and adequate.

(16) Portable fuel testing kit intact.

(17) Cleanup of area adequate.

e. Control TPT operations.

(1) Coordinate with product control section for daily pumping and local delivery schedules.

(2) Issue daily pumping and delivery orders to section personnel.

(3) Prepares shift schedules to operate facilities on a 24-hour basis.

(4) Conduct fire drills.

(5) Brief incoming shift supervisor on terminal status.

(6) Inspect terminal operation site for compliance with safety directives.

(7) Report pipeline breaks, leakage, fire, or other interruptions to petroleum product control section/District dispatch office.

(8) Inspect communications equipment and maintenance logs to ensure equipment is operational at all times.

(9) Monitor stored theater reserve stock for compliance with petroleum support operations plan and quality surveillance program.

- (10) Coordinate repair of unserviceable items with maintenance section or service support section.
  - (11) Performs routine tests on products in storage and incoming and outgoing products, using petroleum testing kit.
  - (12) Coordinate with higher HQ petroleum testing lab for additional testing of questionable products.
  - (13) Maintain records and reports. Ensure that quality control and accountability of petroleum products are maintained.
  - (14) Inspect daily operational records for compliance with petroleum support requirement.
  - (15) Identify corrective actions when deficiencies are noted.
  - (16) Schedule transportation of product to serviced units.
- f. Ensure that a petroleum fire and safety program is conducted according to task 101-92F-1160.
- (1) Signs identifying NO SMOKING areas and other dangerous areas throughout the tactical petroleum terminal are identified.
  - (2) Speed control and other traffic control signs are posted in the area.
- g. Ensure that petroleum environmental stewardship measures are conducted according to task 101-000-0003.
- h. Ensure that unit maintenance is conducted according to appropriate TM.
- i. Establish quality surveillance procedures according to task 101-92F-1405.
- j. Collect and forward required unit status reports to higher HQ product control section daily.
- k. Establish and maintain records and reports according to unit SOP.
10. Control waterfront operations.
- a. Verify that OPORD has been prepared after receiving notice of scheduled ship arrivals.
  - b. Verify customs and health authorities are notified of the tanker's arrival before it arrives.
  - c. Verify dock personnel are notified of arrival and departure of tanker.
  - d. Verify the harbormaster is notified of arrival and departure times for the tanker.
  - e. Verify that customs and health authorities have cleared the vessel for boarding prior to allowing personnel to board it.
  - f. Verify that personnel involved in the operation are briefed on safety and environmental considerations prior to beginning operations.
  - g. Verify that the appropriate fire fighters and pollution control equipment are on hand and personnel are familiar with their use prior to beginning operation.
  - h. Verify that vessel is properly moored.
  - i. Verify that the appropriate number of connecting hoses are available and serviceable.
  - j. Verify that loading and unloading procedures are started, conducted, and completed.
  - k. Verify seals are installed on the tanks after the tanker is loaded and seal numbers are annotated on DD Form 250-1.
  - l. Inspect the DD Form 250-1 for correct information and appropriate signature as required.
  - m. Establish and maintain records and reports according to unit SOP.
- (1) DD Form 250-1.



(2) Other records and reports from custom and health department.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score 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.

<b>PERFORMANCE MEASURES</b>	<b>GO</b>	<b>NO-GO</b>	<b>N/A</b>
1. Determined throughput requirements for the petroleum pipeline.			
2. Performed risk assessment measures according to health/safety task 101-92F-1160.			
3. Maintained and familiarized with applicable reference materials.			
4. Ensured communication equipment was on hand and mission capable.			
5. Ensured required personnel and equipment to accomplish task are available and mission capable.			
6. Projected maintenance and supply replenishment, as required.			
7. Performed duties as shift dispatcher of the pipeline distribution system.			
8. Managed installation of petroleum pipeline sections.			
9. Managed tactical petroleum terminal (TPT) operations.			
10. Controlled waterfront operations.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	No	No
	AR 710-2	SUPPLY POLICY BELOW THE NATIONAL LEVEL	No	No
	ATP 3-34.5	Environmental Considerations	No	No
	ATP 4-43	Petroleum Supply Operations	No	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT	No	No
	DA FORM 2765-1	REQUEST FOR ISSUE OR TURN-IN	No	No
	DA FORM 3643	DAILY ISSUES OF PETROLEUM PRODUCTS	No	No
	DA FORM 3644	MONTHLY ABSTRACT OF ISSUES OF PETROLEUM PRODUCTS AND OPERATING SUPPLIES	No	No
	DA FORM 3857	COMMERCIAL DELIVERIES OF BULK PETROLEUM PRODUCTS CHECKLIST	No	No
	DA FORM 4786	PETROLEUM PRODUCTS - TANK FARM INTAKE RECORD	No	No
	DA FORM 5464-R	PETROLEUM PRODUCTS PIPELINE LEAKAGE REPORT (LRA)	No	No
	DA PAM 710-2-1 (Please don't use, link to the one in ATSC domain, the official one)	Using Unit Supply System (Manual Procedures)(Standalone Pub)	No	No
	DA PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual	No	No
	DD FORM 250	MATERIEL INSPECTION AND RECEIVING REPORT	No	No
	DD FORM 250-1	TANKER/BARGE MATERIEL INSPECTION AND RECEIVING REPORT	No	No
	DOD 4140.25-M	DOD Management of Bulk Petroleum Products, Natural Gas and Coal Volumes I - IV	No	No
	MIL-STD-3004D w/change 1	Department of Defense Standard Practice Quality Assurance/Surveillance For Fuels, Lubricants and Related Products	No	No
	TM 4-43.31 (Revision, March 25, 2015)	Petroleum Laboratory Testing and Operations	No	No
	TM 5-3835-220-13&P	OPERATOR, UNIT, AND INTERMEDIATE DIRECT SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR TACTICAL PETROLEUM TERMINAL MODEL WBEI-10002 (NSN 3835-01-182-1976)	No	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.

**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.

**Prerequisite Individual Tasks :**

<b>Task Number</b>	<b>Title</b>	<b>Proponent</b>	<b>Status</b>
101-92F-4312	Manage Accountability of Petroleum Products	101 - Quartermaster (Individual)	Approved

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None

**Knowledges :**

<b>Knowledge ID</b>	<b>Knowledge Name</b>
K626	Knowledge of the Twin Agent Unit (TAU) characteristics and features
K625	Knowledge of Preventive Maintenance Checks and Services (PMCS) procedures on Twin Agent Unit (TAU) IAW appropriate TM
K624	Know how to assemble, operate, and return to operational status a Tactical Petroleum Terminal (TPT) Fire suppression Set (Twin Agent Unit)
101-K-P40020	Knowledge of the Environmental Stewardship Protection Program measures
K623	Understanding of major components and layout/setup for an Tactical Petroleum Terminal (TPT) system
101-K-P10017	Know how to read and interpret appropriate Field Manuals and Technical Manuals
K630	Know how to perform operator Preventive Maintenance Checks and Services on Petroleum pumps 50-,100-, 220-, 350-, and 600-GPM
K629	Knowledge of characteristics and features of Petroleum pump units (50-, 100-, 220-, 300-, 350-, and 600-GPM)
K628	Knowledge of the Twin Agent Unit (TAU) functions and controls
K627	Describe safety precautions taken when suppressing a Petroleum fire using a Twin Agent Unit (TAU)
101-K-P40017	Knowledge of unit's environmental protection program SOP, federal, local, and state law requirem
101-K-12	Knowledge of Material Safety Data Sheets (MSDS)
K7913	Recognize Inhalation Hazards
101-K-M002	Know how to identify risks and hazards.
101-K-P30012	Knowledge of unit's SOP requirements for maintaining records and reports
K641	Know how to prepare petroleum accountability forms (DA Form 3643, 2765-1, and DD Form 1898)
101-K-P30000	Know how to brief soldiers on concept of operations
k22416	Understanding of water quality assurance/surveillance for a dry distribution point according to TB MED 577
101-K-P30027	Knowledge of operational requirements IAW appropriate FM/TMs and unit's SOP
K599	Know how to perform personal protective measures when handling petroleum products
K22417	Know how to read and interpret appropriate Army Technical Publications, Field Manuals, and Technical Manuals
101-K-P30028	Know how to communicate with lower and higher echelons during operations
K596	Knowledge of petroleum products fire hazards and sources of ignition
K598	Know how to identify petroleum products health hazards
K597	Know how to perform first aid for petroleum products related injuries
101-K-P30016	Know how to acquire training materials, equipment, and resources
101-K-P30018	Know how to inspect equipment and supplies for serviceability/mission capability
K619	Know how to interpret pipeline pumping orders
K620	Know how to interpret Tactical Petroleum Terminal (TPT) and Fix facility manifold systems
K621	Know how to perform scraper operations
101-K-P40015	Know how to inspect areas for compliance with the unit's quality surveillance program
K622	Know how to perform pipeline maintenance
101-K-P20013	Knowledge of safety procedures when handling petroleum products
K615	Know how to perform operator Preventive Maintenance Checks and Services on 800-GPM mainline pump
K23337	Know how to develop a SOP and local policy requirements for inventory of product, accounting, quality surveillance, and pilferage control procedures
K616	Know how to operate 600-GPM Pump
K439	Understand the procedures for directing sampling and gauging of petroleum products
K617	Know how to operate 800-GPM mainline Pump
K438	Know how to determine reference points for gauging collapsible tanks
K618	Know how properly set valves within Tactical Petroleum Terminal (TPT) or Fix facility
031-K-627-021	Knowledge of Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120 requirements
101-K-P40009	Know how to inspect areas for deficiencies
K611	Knowledge of waterfront operations using Offshore Petroleum Discharge System (OPDS)
K612	Knowledge of characteristics and features of 600-GPM Petroleum pump
K613	Know how to perform operator Preventive Maintenance Checks and Services on 600-GPM Petroleum pump

K614	Knowledge of characteristics and features of 800-GPM mainline pump
101-K-P40005	Know how to evaluate Risk Management procedures and control measures

**Skills :**

Skill ID	Skill Name
101-S-P10018	Ability to read and interpret appropriate Field Manuals and Technical Manuals
101-S-P40018	Ability to monitor site compliance with unit's environmental protection program, federal, local,
101-S-P40019	Ability to monitor pilferage control IAW with unit's SOP
S1601	Ability to perform scraper operations
S1597	Ability to properly set valves within Tactical Petroleum Terminal (TPT) or Fix facility
S1595	Ability to perform Preventive Maintenance Checks and Services (PMCS) on 600-GPM petroleum pump unit IAW appropriate TM
101-S-P40020	Ability to inspect areas for compliance with unit's quality surveillance program
S1606	Ability to perform Preventive Maintenance Checks and Services (PMCS) on petroleum pump units (50, 100, 220, 300, 350, and 600 GPM) IAW appropriate TM
S1602	Ability to perform pipeline maintenance
101-S-P40021	Ability to verify compliance with Environmental Stewardship Protection Program measures
S1598	Ability to interpret pipeline pumping orders
S1599	Ability to operate petroleum 600-GPM pump unit IAW appropriate TM
S1607	Ability to operate petroleum pump units (50-, 100-, 220-, 300-, 350-, and 600-GPM) IAW appropriate TM
101-S-P30000	Ability to brief soldiers on concept of operations
S1578	Ability to perform first aid for petroleum products related injuries
S1596	Ability to perform Preventive Maintenance Checks and Services (PMCS) on 800-GPM mainline pump unit IAW appropriate TM
S1604	Ability to assemble, operate/suppress a fire, and return a Fire suppression unit (Twin Agent Unit) to operational status
101-S-P30027	Ability to communicate with higher and lower echelons during operations
101-S-P30026	Ability to conduct reconnaissance of selected site and establish operations IAW unit's SOP and a
101-S-P30011	Ability to keep accurate records and reports in accordance with unit's SOP
S1611	Ability to prepare petroleum accountability forms (DA Form 3643, 2765-1, and DD Form 1898)
S1603	Ability to perform transfer operations using an Tactical Petroleum terminal (TPT) according to pumping orders
S1577	Ability to identify petroleum products fire hazards and sources of ignition
S4934	Ability to acquire training materials, equipment, and resources for operations
101-S-P30017	Ability to inspect equipment and supplies for serviceability/mission capability
101-S-P40005	Ability to evaluate Risk Management procedures and control measures
101-S-P40008	Ability to develop unit level standard operating procedures (SOP) IAW local policies and guidanc
101-S-P40009	Ability to inspect areas for deficiencies
101-S-P40010	Ability to verify MSDS are maintained at appropriate level
S0199	Recognizing risks and hazards
S1579	Ability to identify petroleum products health hazards
S1605	Ability to perform Preventive Maintenance Checks and Services (PMCS) on Twin Agent Unit (TAU) IAW appropriate TM
S1109	Ability to determine reference points for gauging collapsible tanks
S1600	Ability to operate petroleum 800-GPM mainline pump unit IAW appropriate TM
S1111	Ability to direct quality surveillance of petroleum products

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
92F Petroleum Supply Specialist SL 40	Enlisted	MOS: 92F, Skill Level: SL4, Duty Pos: QFF, LIC: EN, SQI: 0