Report Date: 03 Oct 2013

Summary Report for Individual Task
052-204-1125
Operate a Line Truck with Auxiliary Equipment
Status: Approved

Condition: As a Power Line Distribution Specialist in a tactical or nontactical environment (when maintenance, repairs, or new installation is needed for either an overhead or underground electrical-distribution system), you are given a line truck with auxiliary equipment, ground guides, a safety harness, the applicable technical or service manual for the particular truck with auxiliary equipment that is being operated, and applicable personal protective equipment (PPE). **.** This task should not be trained in MOPP.

Standard: Operate a line truck with auxiliary equipment by using the primary and secondary controls to move the winch line, and auger to predetermined areas and by operating the auxiliary equipment as specified in the applicable technical or service manual.

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

DANGER

NEVER LIFT ANY OBJECTS WITHOUT A GROUND GUIDE TO ASSIST IN FINDING THE LOCATION OF THE ITEMS BEING LIFTED AND ANOTHER GROUND GUIDE TO HELP ENSURE THAT THE OBJECT DOES NOT BEGIN TO SWAY OUT OF CONTROL. FAILURE TO COMPLY MAY CAUSE DAMAGE TO EQUIPMENT AND RESULT IN IMMEDIATE DEATH OR PERMANENT INJURY.

WARNING

BEFORE MOVING ANY BUCKET AND/OR LINE TRUCK, THE OPERATOR MUST PERFORM ALL PREVENTIVE-MAINTENANCE CHECKS AND SERVICES (PMCS) AND BE LICENSED ON THE EQUIPMENT OR HAVE A LICENSED DRIVER IN THE VEHICLE CAB TO ENSURE THAT CORRECT OPERATING PROCEDURES ARE FOLLOWED. FAILURE TO COMPLY MAY CAUSE IMMEDIATE PERSONAL INJURY OR SEVERE DAMAGE TO EQUIPMENT.

CAUTION

None

Remarks: None

Notes: None

CAUTION

Before using any bucket and/or line truck near energized lines, ground the truck chassis for safety.

1. Prepare a line truck for operation.

Note: For different line maintenance trucks, consult the applicable technical or service manual for correct operation of the controls.

a. Position the truck.

(1) Park the truck as close as possible to the location of the work being performed.

(2) Perform the work on the uphill side of the truck, if parked on a slope.

b. Set up the truck for operation.

(1) Engage the emergency brake.

(2) Engage the power take-off (PTO).

(3) Transfer the controls from the truck to the machine.

(4) Lower the outriggers.

(5) Free the boom for movement.

(6) Don the proper safety gear.

WARNING

WHEN EXTENDING THE SECOND AND/OR THIRD STAGE OF THE BOOM OR WHEN WINCHING UP, ENSURE THAT THE WINCH HOOK DOES NOT GET PULLED INTO THE WINCH LINE GUIDE. FAILURE TO COMPLY MAY CAUSE PERSONAL INJURY AND/OR DAMAGE TO EQUIPMENT.

2. Operate the line truck boom, paying close attention to the ground guide's hand-and-arm signals.

a. Raise the boom straight up ensuring that it does not exceed an 80° angle above the horizontal position.

b. Rotate the boom so that it is in line with the desired location of the winch hook.

c. Extend the second and third stage of the boom so, when the winch is lowered, the hook will fall within one foot of the desired area.

d. Lower the winch line.

e. Return the boom to its original state.

WARNING

THE FOLLOWING PROCEDURES SHOULD BE FOLLOWED AS CLOSE AS POSSIBLE. FAILURE TO COMPLY MAY CAUSE DAMAGE TO EQUIPMENT AND RESULT IN IMMEDIATE DEATH OR PERMANENT INJURY.

3. Operate the digger and/or auger on a line truck, paying close attention to the ground guide's hand-and-arm signals.

a. Raise the boom to about 45° above the horizontal position.

b. Rotate the boom to about 90° to the side of the truck.

c. Check to verify that the second stage of the boom is fully retracted.

d. Place the two-speed digger button in the low-speed position.

e. Move the digger control slightly towards the dig position and, as it rises, hold the auger release switch in the release position.

f. Move the digger control towards the clean position to slowly lower the auger.

g. Move the auger to the desired dig location, and dig a hole to a depth of 8 feet.

h. Return the auger and boom back into their cradles.

4. Operate the auxiliary line truck equipment.

a. Operate the capstan.

b. Operate the take-up reel.

c. Operate the hydraulic tools.

d. Operate the bucket truck boom using the primary and secondary controls, paying close attention to the ground guide's hand-and-arm signals.

(1) Raise to a height of 30 feet.

(2) Rotate to the left.

(3) Rotate to the right.

(4) Descend and store the boom in the cradles.

5. Secure the line truck with the auxiliary equipment.

a. Secure all the loose gear.

b. Raise and store the outriggers.

c. Secure the boom.

d. Turn the truck and machine switch to the truck position.

e. Disengage the PTO.

f. Release the emergency brake before moving the truck.

(Asterisks indicates a leader performance step.)

Evaluation Preparation: Provide the Soldier with all the items listed in the conditions. Give the Soldier a safety briefing before starting the test, and ensure that all safety precautions are followed. Prepare the testing area and equipment in advance to ensure that the task standards can be met.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Prepared a bucket and/or a line truck for operation.			
2. Operated the line truck boom, paying close attention to the ground guide's hand-and-arm signals.			
3. Operated the digger and/or auger on a line truck, paying close attention to the ground guide's hand-and-arm signals.			
4. Operated the auxiliary line truck equipment.			
5. Secured the line truck with the auxiliary equipment.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 385-10	The Army Safety Program (*RAR 004, 10/04/2011)	No	No
	EM 385-1-1	Safety and Health Requirements.	No	No
	LCH	The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007	No	No
	TM 5-684	Facilities Engineering - Electrical Exterior Facilities. NAVFAC MO-200/AFJMAN 32-1082.	No	No
	TM 5-811-1	Electric Power Supply and Distribution {AFJMAN 32-1080}	No	No

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 FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. 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 FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

For classroom instruction:
No major environmental impact, training entirely of an administrative or classroom nature, with little or no environmental impact on the environment, equipment or personnel. [32 CFR Part 651, Appendix B, Section II, (i)(2)]

For practical exercises and demonstrations:
Instructors should complete a risk assessment before conducting training, operations, or logistical activities. Risk assessments assist instructors in identifying potential environmental hazards, develops controls, make risk decisions, implement controls, and ensure proper supervision and evaluation. FM 3-100.4, Environmental Considerations in Military Operations.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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 FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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 FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1119	Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Line Truck With Auxiliary Equipment	052 - Engineer (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1117	Inspect Hot-Line Equipment	052 - Engineer (Individual)	Analysis
052-204-1116	Rescue an Injured Victim From an Aerial-Bucket Truck	052 - Engineer (Individual)	Superseded
052-204-3015	Supervise the Sagging of Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-1116	Rescue an Injured Victim From an Aerial-Bucket Truck	052 - Engineer (Individual)	Approved
052-204-2219	Supervise the Loading and Unloading of Utility Poles	052 - Engineer (Individual)	Superseded
052-204-1119	Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Line Truck With Auxiliary Equipment	052 - Engineer (Individual)	Approved
052-204-2217	Manage a Power Line Crew	052 - Engineer (Individual)	Approved
052-204-3016	Supervise the Stringing of Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-2220	Supervise the Mechanical Erection of a Utility Pole	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-204-2306	Supervise the installation of a Utility Pole	052 - Engineer (Individual)	Analysis Completed
052-204-2219	Supervise the Use of a Line Truck With Trailer to Load and Unload Utility Poles	052 - Engineer (Individual)	Approved
052-204-1116	Rescue an Injured Victim From an Aerial-Bucket Truck	052 - Engineer (Individual)	Approved
052-204-2216	Perform Maintenance on Electrical Distribution Equipment	052 - Engineer (Individual)	Approved
052-204-1210	Sag Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Analysis Completed
052-204-2307	Supervise the Installation of a Utility Pole Line	052 - Engineer (Individual)	Analysis Completed
052-204-1211	Install Distribution System Protection and Equipment (De-energized)	052 - Engineer (Individual)	Approved
052-204-1121	Install High-Intensity Lights and Ballasts	052 - Engineer (Individual)	Approved

052-204-1209	String Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Analysis Completed
052-204-1207	Install a Utility Pole	052 - Engineer (Individual)	Analysis Completed
052-204-2217	Manage a Power Line Crew	052 - Engineer (Individual)	Analysis Completed
052-204-1206	Use a Line Truck with Trailer to Load and Unload Poles	052 - Engineer (Individual)	Approved
052-204-1126	Perform Crossarm Change Out (With Conductors)	052 - Engineer (Individual)	Reviewed

Supported Collective Tasks :

Task Number	Title	Proponent	Status
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5728	Assess Power Generation Systems for Damage	05 - Engineers (Collective)	Approved
05-3-5725	Install Aerial Electrical Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5705	Retrieve Electrical-Power Generation and Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5702	Install Underground Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5724	Install Expedient, Surface-Laid, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5702	Created from Template: Install Underground Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5713	Perform a Power Distribution System Maintenance Survey	05 - Engineers (Collective)	Approved
05-3-5700	Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5703	Perform Electrical Safety Systems Testing and Maintenance	05 - Engineers (Collective)	Approved
05-3-5701	Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5731	Perform Electrical-Power, Distribution Equipment Organizational Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5733	Perform Power Plant and Distribution Equipment Shipment	05 - Engineers (Collective)	Approved
05-3-5704	Created from Template: Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Analysis
05-3-5701	Created from Template: Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5704	Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5727	Install Underground Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5723	Install Prime Power Generation Equipment	05 - Engineers (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data

12Q10, Power Line Distribution Specialist, skill level 1	Enlisted	MOS: 12Q, Skill Level: SL1