

**Summary Report for Individual Task
052-204-2306
Supervise the Installation of a Utility Pole
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: As a Power Line Distribution Supervisor in a tactical or nontactical environment when a utility pole needs to be installed, you are given a line truck, tampers, a shovel, applicable guying equipment, applicable pole-grounding equipment, a butt man, a truck operator, ground guides, the Lineman's and Cableman's Handbook (LCH), wiring diagrams, electrical construction prints, safety standing operating procedures (SOPs), the applicable personal protective equipment (PPE), and DA Form 2702 (Bill of Materials). This task should not be trained in MOPP.

Standard: Supervise the installation of a utility pole by ensuring that the utility pole is facing the proper direction, firmly embedded into the ground at the proper depth, and rigged and raised in a safe manner.

Special Condition: None

Safety Level: Low

MOPP: Never

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| Task Statements |
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Cue: None

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| <p>DANGER</p> <p>THIS TASK SHOULD ONLY BE PERFORMED BY QUALIFIED PERSONNEL KNOWLEDGEABLE IN THE INSTALLATION AND MAINTENANCE OF ELECTRICAL DISTRIBUTION SYSTEMS AND POWER EQUIPMENT AND THE ASSOCIATED HAZARDS. FAILURE TO COMPLY MAY CAUSE PERMANENT INJURY OR DEATH. 2. NEVER POSITION YOURSELF UNDER A SUSPENDED LOAD. FAILURE TO COMPLY MAY CAUSE PERMANENT INJURY OR DEATH.</p> |
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| <p>WARNING</p> <p>None</p> |
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| <p>CAUTION</p> <p>None</p> |
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Remarks: All required Prime Power specific references and technical manuals will be provided by the local Prime Power Command.

Notes: None

Performance Steps

1. Review danger, warning, and caution notices before proceeding.
2. Review the manufacturer's literature, electrical construction prints, and wiring diagrams.
3. Ensure that PPE is correctly tested and fully mission-capable.
4. Complete DA Form 2702 for the tools and equipment necessary to perform this task.
5. Inspect tools and rigging equipment for serviceability.
6. Develop a plan for obtaining nonorganic tools and the equipment necessary to perform the mission.
7. Issue a safety briefing that highlights safety precautions and the concept of the operation.
8. Assign personnel positions, and ensure that they understand their role in accomplishing this task.
9. Inspect the hole to ensure that is the appropriate depth.
10. Ensure that rigging is done so that the pole does not slip.
11. Ensure that the pole is lowered into the center of the hole.
12. Inspect the pole while it is in the hole to ensure that the hole is the proper depth and that the pole is centered, facing the correct direction, and correctly aligned.
13. Ensure that the pole is tamped.
14. Ensure that a watershed was created at the pole base.
15. Recheck the pole depth, centering, facing, and alignment before mounting the hardware.
16. Ensure that guys and anchors are installed as stated in the electrical construction prints.
17. Ensure that the items listed in the conditions are properly cleaned and stored.

(Asterisks indicates a leader performance step.)

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

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

| PERFORMANCE MEASURES | GO | NO-GO | N/A |
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| 1. Reviewed danger, warning, and caution notices before proceeding. | | | |
| 2. Reviewed the manufacturer's literature, electrical construction prints, and wiring diagrams. | | | |
| 3. Ensured that PPE was correctly tested and fully mission-capable. | | | |
| 4. Completed DA Form 2702 for the tools and equipment necessary to perform the task. | | | |
| 5. Inspected tools and rigging equipment for serviceability. | | | |
| 6. Developed a plan for obtaining nonorganic tools and the equipment necessary to perform the mission. | | | |
| 7. Issued a safety briefing that highlighted safety precautions and the concept of the operation. | | | |
| 8. Assigned personnel positions and ensured that they understood their role in accomplishing the task. | | | |
| 9. Inspected the hole to ensure that it was the appropriate depth. | | | |
| 10. Ensured that rigging was done so that the pole did not slip. | | | |
| 11. Ensured that the pole was lowered into the center of the hole. | | | |
| 12. Inspected the pole while it was in the hole to ensure that the hole was the proper depth and that the pole was centered, facing the correct direction, and correctly aligned. | | | |
| 13. Ensured that the pole was tamped. | | | |
| 14. Ensured that a watershed was created at the pole base. | | | |
| 15. Rechecked the pole depth, centering, facing, and alignment of the pole before mounting the hardware. | | | |
| 16. Ensured that guys and anchors were installed as stated in the electrical construction prints. | | | |
| 17. Ensured that the items listed in the conditions were properly cleaned and stored. | | | |

Supporting Reference(s):

| Step Number | Reference ID | Reference Name | Required | Primary |
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| | AR 385-10 | The Army Safety Program http://www.apd.army.mil/pdf/files/r385_10.pdf | No | No |
| | DA FORM 2702 | Bill of Materials | Yes | No |
| | EM 385-1-1 | Safety and Health Requirements. | No | No |
| | ER 385-1-31 | Safety & Occupational Health. The Control of Hazardous Energy (Safe Clearance). | No | No |
| | LCH | The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007 | Yes | No |
| | TM 3-34.45 | ENGINEER PRIME POWER OPERATIONS | No | No |
| | TM 5-682 | Facilities Engineering: Electrical Facilities Safety. | 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 |
| | TM 5-811-3 | Electrical Design: Lightning and Static Electricity Protection. AFM 88-9, Chap 3. | 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.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, 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. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation.

Prerequisite Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|-------------------------------------------------------------------------------------------------------------|-----------------------------|----------|
| 052-204-1125 | Operate a Line Truck with Auxiliary Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1108 | Inspect Safety Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1119 | Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Line Truck With Auxiliary Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1204 | Tie Rope Knots and Splices | 052 - Engineer (Individual) | Approved |

Supporting Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|-------------------------------------------------------------------------------------------------------------|-----------------------------|----------|
| 052-204-2308 | Design an Overhead Electrical Distribution System | 052 - Engineer (Individual) | Approved |
| 052-204-1125 | Operate a Line Truck with Auxiliary Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-2207 | Conduct a Safety Briefing | 052 - Engineer (Individual) | Approved |
| 052-204-2208 | Conduct a Safety Inspection | 052 - Engineer (Individual) | Approved |
| 052-204-2211 | Develop a Bill of Materials (BOM) List | 052 - Engineer (Individual) | Approved |
| 052-204-1206 | Use a Line Truck with Trailer to Load and Unload Poles | 052 - Engineer (Individual) | Approved |
| 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 |
| 052-204-1126 | Perform Crossarm Change Out (With Conductors) | 052 - Engineer (Individual) | Approved |
| 052-204-2219 | Supervise the Use of a Line Truck With Trailer to Load and Unload Utility Poles | 052 - Engineer (Individual) | Approved |
| 052-204-1204 | Tie Rope Knots and Splices | 052 - Engineer (Individual) | Approved |

Supported Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|--------------------------|-----------------------------|----------|
| 052-204-2217 | Manage a Power Line Crew | 052 - Engineer (Individual) | Approved |

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| 052-204-2216 | Perform Maintenance on Electrical Distribution Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-2211 | Develop a Bill of Materials (BOM) List | 052 - Engineer (Individual) | Approved |
| 052-204-2302 | Install Distribution System Protection and Equipment (Energized) | 052 - Engineer (Individual) | Approved |
| 052-204-2307 | Supervise the Installation of a Utility Pole Line | 052 - Engineer (Individual) | Reviewed |

Supported Collective Tasks :

| Task Number | Title | Proponent | Status |
|--------------------|----------------------------------------------------------------------------------------|-----------------------------|---------------|
| 05-3-5701 | Install Low-Voltage, Electrical-Power Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5725 | Install Aerial Electrical Power Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5700 | Install Nonstandard 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 |
| 05-3-5713 | Perform a Power Distribution System Maintenance Survey | 05 - Engineers (Collective) | Approved |

ICTL Data :

| ICTL Title | Personnel Type | MOS Data |
|----------------------------------------------------------|-----------------------|----------------------------|
| 12Q20, Power Line Distribution Specialist, skill level 2 | Enlisted | MOS: 12Q, Skill Level: SL2 |
| ASI U4, Power Line Distribution | Enlisted | MOS: 12P, ASI: U4 |