

Summary Report for Individual Task
052-204-2217
Manage a Power Line Crew
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 work must be performed on electrical distribution equipment, you are given a power line distribution crew, a line truck with a cable trailer, safety standing operating procedures (SOPs), applicable manufacturer's literature, the Lineman's and Cableman's Handbook (LCH), and personal protective equipment (PPE). This task should not be trained in MOPP.

Standard: Manage a power line crew by ensuring that the power line crew adheres to work and safety requirements of the applicable manufacturer's literature, safety SOPs, and the LCH.

Special Condition: None

Safety Level: Low

MOPP: Never

| |
|------------------------|
| Task Statements |
|------------------------|

Cue: None

DANGER

1. ALWAYS WEAR THE PPE REQUIRED FOR INSPECTIONS IN HAZARDOUS AREAS. FAILURE TO COMPLY MAY CAUSE PERMANENT INJURY OR DEATH.
2. THIS TASK SHOULD ONLY BE PERFORMED BY QUALIFIED PERSONNEL WHO ARE KNOWLEDGEABLE IN THE INSTALLATION AND MAINTENANCE OF ELECTRONICS AND CONTROL INSTRUMENTATION AND THEIR ASSOCIATED HAZARDS. FAILURE TO COMPLY MAY CAUSE PERMANENT INJURY OR DEATH.
3. REMOVE RINGS, NECKLACES, OTHER JEWELRY, AND LOOSE CLOTHING. FAILURE TO COMPLY MAY CAUSE PERMANENT INJURY OR DEATH.
4. IT IS VITAL FOR EACH INDIVIDUAL TO UNDERSTAND THE ASSIGNMENT AND TO CARRY IT OUT WITHOUT HESITATION WHEN THE SUPERVISOR GIVES A COMMAND. FAILURE TO COMPLY MAY CAUSE IMMEDIATE DEATH OR PERMANENT INJURY.
5. NEVER LIFT OBJECTS WITHOUT A GROUND GUIDE TO ASSIST OR WITHOUT ANOTHER INDIVIDUAL TO HELP ENSURE THAT THE OBJECT DOES NOT BEGIN TO SWAY OUT OF CONTROL. FAILURE TO COMPLY MAY CAUSE PERMANENT INJURY OR DEATH.

| |
|----------------|
| WARNING |
| None |

CAUTION

None

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.
2. Ensure that the PPE has been correctly tested and is fully operable.
3. Ensure that DA Form 2702 (Bill of Materials) includes all items necessary to perform the task.
4. Inspect tools and climbing and rigging equipment for serviceability.
5. Develop a plan for obtaining nonorganic tools and equipment necessary to perform any mission.
6. Issue a safety briefing that highlights safety precautions and the concept of the operation.
7. Assign personnel positions, and ensure that they understand roles.
8. Supervise the operation of a line truck with auxiliary equipment.
9. Ensure that tasks are performed to standard and that safety procedures are followed.
10. Ensure that PPE, climbing and rigging equipment, and tools are correctly cleaned and stored.

(Asterisks indicates a leader performance step.)

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

| PERFORMANCE MEASURES | GO | NO-GO | N/A |
|--|----|-------|-----|
| 1. Reviewed danger, warning, and caution notices. | | | |
| 2. Ensured that the PPE was correctly tested and fully operable. | | | |
| 3. Ensured that DA Form 2702 included all items necessary to perform the task. | | | |
| 4. Inspected tools and climbing and rigging equipment for serviceability. | | | |
| 5. Developed a plan for obtaining nonorganic tools and equipment necessary to perform any mission. | | | |
| 6. Issued a safety briefing that highlighted safety precautions and the concept of the operation. | | | |
| 7. Assigned personnel positions and ensured that they understood roles. | | | |
| 8. Supervised the operation of a line truck with auxiliary equipment. | | | |
| 9. Ensured that tasks were performed to standard and that safety procedures were followed. | | | |
| 10. Ensured that PPE, climbing and rigging equipment, and tools were correctly cleaned and stored. | | | |

Supporting Reference(s):

| Step Number | Reference ID | Reference Name | Required | Primary |
|-------------|--------------|--|----------|---------|
| | 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 |
| | FM 5-412 | PROJECT MANAGEMENT | No | No |
| | LCH | The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007 | Yes | No |
| | NETA™ | Maintenance Testing Specifications for Electrical Power Distribution Equipment & Systems. 2007 | No | 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 5-686 | Power Transformer Maintenance and Acceptance Testing. | 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, 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. 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 |
|--------------|-----------------------------|-----------------------------|--------------------|
| 052-204-2207 | Conduct a Safety Briefing | 052 - Engineer (Individual) | Approved |
| 052-204-1117 | Inspect Hot-Line Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-2208 | Conduct a Safety Inspection | 052 - Engineer (Individual) | Approved |
| 052-204-1108 | Inspect Safety Equipment | 052 - Engineer (Individual) | Analysis Completed |

Supporting Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------------|---|-----------------------------|--------------------|
| 052-204-1115 | Rescue an Injured Victim From a Manhole | 052 - Engineer (Individual) | Approved |
| 052-204-1203 | Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Bucket/Material Handler Truck | 052 - Engineer (Individual) | Approved |
| 052-204-1214 | Terminate a Medium-Voltage URD Power Cable | 052 - Engineer (Individual) | Approved |
| 052-204-1124 | Climb a Utility Pole | 052 - Engineer (Individual) | Approved |
| 052-204-1120 | Install a Grounding Set | 052 - Engineer (Individual) | Approved |
| 052-204-1201 | Maintain Climbing Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1202 | Maintain Rigging/Hoisting Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1121 | Install High-Intensity Lights and Ballasts | 052 - Engineer (Individual) | Approved |
| 052-204-1210 | Sag Single Phase and Three Phase Overhead Conductors | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2210 | Secure Conductor to Insulator (Energized) | 052 - Engineer (Individual) | Approved |
| 052-204-2213 | Locate an Underground Cable and/or Fault | 052 - Engineer (Individual) | Approved |
| 052-204-1206 | Use a Line Truck with Trailer to Load and Unload Poles | 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 |
| 052-204-2306 | Supervise the installation of a Utility Pole | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2212 | Energize an Electrical Distribution System | 052 - Engineer (Individual) | Approved |
| 052-204-1209 | String Single Phase and Three Phase Overhead Conductors | 052 - Engineer (Individual) | TMD Review |
| 052-204-1213 | Splice a Medium-Voltage URD Power Cable | 052 - Engineer (Individual) | Approved |
| 052-204-1215 | Splice a Medium-Voltage Overhead Power Cable | 052 - Engineer (Individual) | Approved |
| 052-204-2216 | Perform Maintenance on Electrical Distribution Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1207 | Install a Utility Pole | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-1125 | Operate a Line Truck with Auxiliary Equipment | 052 - Engineer (Individual) | Approved |
| 052-204-1128 | Interpret an Electrical One-Line Diagram | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2207 | Conduct a Safety Briefing | 052 - Engineer (Individual) | Approved |
| 052-204-2208 | Conduct a Safety Inspection | 052 - Engineer (Individual) | Approved |
| 052-204-1114 | Rescue an Injured Victim From a Utility Pole | 052 - Engineer (Individual) | Approved |
| 052-204-1205 | Install Underground Cable | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2211 | Develop a Bill of Materials (BOM) List | 052 - Engineer (Individual) | Approved |
| 052-204-1127 | Perform Groundman Duties | 052 - Engineer (Individual) | Approved |
| 052-204-1116 | Rescue an Injured Victim From an Aerial-Bucket Truck | 052 - Engineer (Individual) | Approved |
| 052-204-1113 | Prepare a Manhole for Safe Entry | 052 - Engineer (Individual) | Approved |
| 052-204-1126 | Perform Crossarm Change Out (With Conductors) | 052 - Engineer (Individual) | Approved |

| | | | |
|--------------|---|-----------------------------|--------------------|
| 052-204-1212 | Operate a Bucket/Material Handler Truck | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-1211 | Install Distribution System Protection and Equipment (De-energized) | 052 - Engineer (Individual) | Approved |
| 052-204-1204 | Tie Rope Knots and Splices | 052 - Engineer (Individual) | Analysis Completed |

Supported Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------------|---|-----------------------------|--------------------|
| 052-204-2301 | Perform Switching, Blocking and Tagging Procedures | 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 |
| 052-204-2307 | Supervise the Installation of a Utility Pole Line | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2306 | Supervise the installation of a Utility Pole | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2309 | Design Underground Electrical Distribution System | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2308 | Design an Overhead Electrical Distribution System | 052 - Engineer (Individual) | Analysis Completed |
| 052-204-2211 | Develop a Bill of Materials (BOM) List | 052 - Engineer (Individual) | Approved |
| 052-204-4003 | Supervise Risk-Management Procedures | 052 - Engineer (Individual) | Analysis Completed |

Supported Collective Tasks :

| Task Number | Title | Proponent | Status |
|--------------------|---|-----------------------------|---------------|
| 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 |
| 05-3-5717 | Created from Template: Perform Power Plant Distribution System Design Technical Assistance | 05 - Engineers (Collective) | Analysis |
| 05-3-5727 | Install Underground Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5704 | Perform Nonorganic Equipment Power Distribution Maintenance Operations | 05 - Engineers (Collective) | Approved |
| 05-3-5700 | Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment | 05 - Engineers (Collective) | Analysis |
| 05-3-5706 | Perform Project Management | 05 - Engineers (Collective) | Approved |
| 05-3-5731 | Perform Electrical-Power, Distribution Equipment Organizational Maintenance Operations | 05 - Engineers (Collective) | Approved |
| 05-3-5708 | Perform a Mission Survey | 05 - Engineers (Collective) | Approved |
| 05-3-5724 | Install Expedient, Surface-Laid, Electrical-Power Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5702 | Install Underground Electrical-Power Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5729 | Operate Power Generation and Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 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 |
| 05-3-5717 | Perform Power Plant Distribution System Design Technical Assistance | 05 - Engineers (Collective) | Approved |

| | | | |
|-----------|---|-----------------------------|----------|
| 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 |
| 05-3-5702 | Created from Template: Install Underground Electrical-Power Distribution Equipment | 05 - Engineers (Collective) | Analysis |
| 05-3-5725 | Install Aerial Electrical Power Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5701 | Install Low-Voltage, Electrical-Power Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5705 | Retrieve Electrical-Power Generation and Distribution Equipment | 05 - Engineers (Collective) | Approved |
| 05-3-5733 | Perform Power Plant and Distribution Equipment Shipment | 05 - Engineers (Collective) | Approved |
| 05-3-5703 | Perform Electrical Safety Systems Testing and Maintenance | 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 |