

**Summary Report for Individual Task  
052-204-1201  
Maintain Climbing Equipment  
Status: Approved**

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

DESTRUCTION NOTICE: None

**Condition:** As a Power Line Distribution Specialist in a tactical or nontactical environment during scheduled or unscheduled maintenance when climbing equipment needs maintenance, you are given the applicable cleaning and maintenance supplies, the applicable manufacturer's literature, and the applicable personal protective equipment (PPE). This task should not be trained in MOPP.

**Standard:** Maintain climbing equipment by inspecting it, performing maintenance on it, and storing it as stated in the applicable manufacturer's literature.

**Special Condition:** None

**Safety Level:** Low

**MOPP:** Never

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b> FAILURE TO FOLLOW PROPER MAINTENANCE PROCEDURES MAY CAUSE IMMEDIATE DEATH OR PERMANENT INJURY.
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<b>WARNING</b> ONLY APPROVED CLEANING MATERIALS SHOULD BE USED TO CLEAN LEATHER PRODUCTS. FAILURE TO COMPLY MAY CAUSE IMMEDIATE PERSONAL INJURY OR DAMAGE TO EQUIPMENT RESULTING IN DEFECTIVE EQUIPMENT.
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<b>CAUTION</b> CARE SHOULD BE TAKEN WHILE SHARPENING THE GAFFS TO AVOID PERSONAL INJURY.
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**Remarks:**

**Notes:** Defective equipment should be repaired or replaced immediately and not used until correctly repaired or replaced.

There are several different manufacturers of climbing equipment. Ensure that the appropriate manufacturer's literature is referenced before maintaining the equipment.

## Performance Steps

1. Inventory the climbing equipment.
2. Ensure all items are included in the inventory.
  - a. Include climber gaffs (two each).
  - b. Include 100% Wood Pole Fall Protection System (WPFPS).
  - c. Include a body belt.
  - d. Include a hard hat.
  - e. Include a pair of gloves.
  - f. Include safety glasses.
  - g. Include a climbing equipment storage bag.
  - h. Include a fully Adjustable Positioning Lanyard (APL) for a secondary safety.
3. Inspect leather products.
  - a. Check leather products for faults.
    - (1) Check for tears.
    - (2) Check for cracks.
    - (3) Check for enlarged eyelet holes.
    - (4) Check for stretching.
    - (5) Check for hard or dry leather.
  - b. Check stitched areas for broken, ragged, or rotted threads.
4. Inspect metal products.
  - a. Check the metal products for faults.
    - (1) Check for rust.
    - (2) Check for cracks.
    - (3) Check for breaks.
    - (4) Check for loose attachments.
    - (5) Check for wear that might affect overall product strength.

- b. Check the gaffs to determine if the cutting edges have been sharpened and shaped.
5. Inspect the hard hat.
- a. Check the hard hat for cracks, burns, and overall cleanliness.
  - b. Inspect the suspension system for fraying and broken suspension components.
  - c. Inspect the chin strap for elasticity.
  - d. Check the expiration date.
6. Inspect the protective eyewear.
7. Maintain leather products.
- a. Clean leather surfaces.
    - (1) Wipe off surface dirt using a neutral soap and moist sponge.
    - (2) Wipe off soap with a clean cloth.
  - b. Rub the leather with saddle soap.
    - (1) Work up a good lather.
    - (2) Clean the surface with a sponge.
    - (3) Ensure that the saddle soap thoroughly penetrates the surface areas.
    - (4) Wipe off excess saddle soap with a clean cloth.
  - c. Apply neat's-foot oil to the leather parts using your hands.
    - (1) Ensure that the leather parts are oiled sufficiently.
    - (2) Allow the leather to dry in a cool, shady area for 24 hours.
    - (3) Remove excess oil by rubbing vigorously with a clean cloth.
8. Maintain climber gaffs.
- a. Use the TH slots on the gaff gauge to measure gaff thickness.
  - b. Use the W slots on the gaff gauge to measure gaff width.
  - c. Shape gaffs into the correct thickness according to the applicable manufacturer's literature if required.
9. Test climber gaffs.
- a. Check climber gaffs using the plane test.

b. Check climber gaffs using the cutout test.

10. Ensure that the items listed in the conditions are properly cleaned and stored.

(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. Inventoried the climbing and rigging equipment.			
2. Ensured all items were included in the inventory.			
3. Inspected leather products.			
4. Inspected metal products.			
5. Inspected the hard hat.			
6. Inspected the protective eyewear.			
7. Maintained leather products.			
8. Maintained climber gaffs.			
9. Tested climber gaffs.			
10. Ensured that the items listed in the conditions were properly cleaned and stored.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	LCH	The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007	No	No
	TM 3-34.86	Rigging Techniques, Procedures, and Applications {MCRP 3-17.7j}	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

**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. 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 :** None

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
052-204-1124	Climb a Utility Pole	052 - Engineer (Individual)	Approved

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
052-204-2217	Manage a Power Line Crew	052 - Engineer (Individual)	Analysis Completed
052-204-1211	Install Distribution System Protection and Equipment (De-energized)	052 - Engineer (Individual)	Approved

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
05-3-5725	Install Aerial Electrical Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5700	Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5701	Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5701	Created from Template: Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
12Q10, Power Line Distribution Specialist, skill level 1	Enlisted	MOS: 12Q, Skill Level: SL1