Report Date: 04 Oct 2013

Summary Report for Individual Task
052-204-1117
Inspect Hot-Line Equipment
Status: Approved

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

DESTRUCTION NOTICE: None

Condition: As a Power Line Distribution Specialist in a tactical or nontactical dry, well-lit environment during scheduled or unscheduled maintenance when hot-line equipment needs to be inspected, you are given the applicable manufacturer's literature with maintenance instructions, DA Form 2404 (Equipment Inspection and Maintenance Worksheet)or DA Form 5988-E (Electronic Equipment Inspection and Maintenance Worksheet) and the applicable safety standing operating procedures (SOPs). This task should not be trained in MOPP.

Standard: Inspect hot-line equipment, ensuring that maintenance is performed according to the applicable manufacturer's literature with maintenance instructions, annotated on DA Form 2404 or DA Form 5988-E and applicable SOPs. Remove unsafe equipment from the inventory.

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

DANGER

ALL HOT-LINE EQUIPMENT MUST BE MAINTAINED AS SPECIFIED IN THE APPLICABLE MANUFACTURER'S MAINTENANCE INSTRUCTIONS. FAILURE TO PERFORM REQUIRED MAINTENANCE MAY CAUSE DAMAGE TO EQUIPMENT AND RESULT IN IMMEDIATE DEATH OR PERMANENT INJURY.

WARNING

None

CAUTION

None

Remarks: None

Notes: All hot-line equipment (whether or not specifically addressed in this task) will be inspected and maintained as specified in the applicable manufacturer's literature and/or maintenance instructions

Performance Steps

1. Inspect hot sticks.
    a. Check for valid calibration stamps.
    b. Inspect for excessive wear or damage to the fiberglass.
2. Inspect universal hot stick heads.
    a. Check for proper operation of mechanical parts.
    b. Inspect for excessive wear.
3. Inspect ground clusters.
    a. Check for valid calibration stamps.
    b. Inspect for excessive wear.
    c. Inspect for obvious damage.
    d. Check for good electrical connections on interconnecting cables.
4. Inspect rubber gloves.
    a. Check for valid calibration stamps.
    b. Perform user tests by filling the gloves with air and rolling them while feeling for air leaks and cracks.
    c. Ensure that leather liners are serviceable and free of holes.
5. Inspect rubber sleeves.
    a. Check for valid calibration stamps.
    b. Perform user tests by rolling the rubber sleeves while feeling for holes and cracks.
6. Inspect rubber blankets and mats.
    a. Check for valid calibration stamps.
    b. Perform user tests by rolling the rubber blankets and mats while looking for holes and cracks.
7. Inspect flash suits.
    a. Check for valid calibration stamps.
    b. Inspect for holes.
    c. Check for face shield damage.

8. Report defiencies on DA Form 2404 or DA Form 5988-E.

9. Remove unsafe equipment from inventory.

(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, and ensure that all safety precautions are followed. Prepare the area and equipment in advance to ensure that the task standards can be met.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Inspected hot sticks.			
2. Inspected universal hot stick heads.			
3. Inspected ground clusters.			
4. Inspected rubber gloves.			
5. Inspected rubber sleeves.			
6. Inspected rubber blankets and mats.			
7. Inspected flash suits.			
8. Reported defiencies on DA Form 2404 or DA Form 5988-E.			
9. Removed unsafe equipment from the inventory.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	Yes	No
	DA FORM 5988-E	Equipment Inspection Maintenance Worksheet	No	No
	LCH	The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007	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. vironmental 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 : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1120	Install a Grounding Set	052 - Engineer (Individual)	Approved
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
052-204-1115	Rescue an Injured Victim From a Manhole	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
052-204-1114	Rescue an Injured Victim From a Utility Pole	052 - Engineer (Individual)	Approved
052-204-1108	Inspect Safety Equipment	052 - Engineer (Individual)	Analysis Completed
052-204-2216	Perform Maintenance on Electrical Distribution Equipment	052 - Engineer (Individual)	Approved
052-204-2213	Locate an Underground Cable and/or Fault	052 - Engineer (Individual)	Approved
052-204-2212	Energize an Electrical Distribution System	052 - Engineer (Individual)	Approved
052-204-2210	Secure Conductor to Insulator (Energized)	052 - Engineer (Individual)	Approved
052-204-2208	Conduct a Safety Inspection	052 - Engineer (Individual)	Approved
052-204-1215	Splice a Medium-Voltage Overhead Power Cable	052 - Engineer (Individual)	Approved
052-204-1214	Terminate a Medium-Voltage URD Power Cable	052 - Engineer (Individual)	Approved
052-204-1213	Splice a Medium-Voltage URD Power Cable	052 - Engineer (Individual)	Approved
052-204-1210	Sag Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Analysis Completed
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
052-204-1205	Install Underground Cable	052 - Engineer (Individual)	Analysis Completed
052-204-1127	Perform Groundman Duties	052 - Engineer (Individual)	Approved
052-204-1126	Perform Crossarm Change Out (With Conductors)	052 - Engineer (Individual)	Approved

052-204-1125	Operate a Line Truck with Auxiliary Equipment	052 - Engineer (Individual)	Approved
052-204-1124	Climb a Utility Pole	052 - Engineer (Individual)	Approved
052-204-1123	Secure Conductor to Insulator (De-energized)	052 - Engineer (Individual)	Approved

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
05-3-5732	Conduct Electrical-Power Generation Equipment Intermediate Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5707	Perform Nonorganic Power Generation System Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5730	Perform Electrical-Power Generation Equipment Organizational Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5704	Created from Template: Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Analysis
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
05-3-5705	Retrieve Electrical-Power Generation and Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5723	Install Prime Power Generation Equipment	05 - Engineers (Collective)	Approved
05-3-5704	Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5719	Perform Power Plant Generation System Maintenance Technical Assistance	05 - Engineers (Collective)	Approved
05-3-5727	Install Underground Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5713	Perform a Power Distribution System Maintenance Survey	05 - Engineers (Collective)	Approved
05-3-5716	Created from Template: Perform Power Plant Installation Technical Assistance	05 - Engineers (Collective)	Analysis
05-3-5716	Perform Power Plant Installation Technical Assistance	05 - Engineers (Collective)	Approved
05-3-5701	Created from Template: Install 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
05-3-5702	Created from Template: Install Underground Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
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
05-3-5724	Install Expedient, Surface-Laid, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved

05-3-5731	Perform Electrical-Power, Distribution Equipment Organizational Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5703	Perform Electrical Safety Systems Testing and Maintenance	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