

Report Date: 02 Oct 2013

**Summary Report for Individual Task
052-204-1115
Rescue an Injured Victim From a Manhole
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 environment when an individual is responsive or unresponsive and unable to exit the manhole on his own, you are given a two-way radio or telephone communication equipment, an extraction system for confined-space entry and rescue, a safety harness, and the applicable personal protective equipment (PPE). This task should not be trained in MOPP.

Standard: Rescue an injured victim from a manhole by raising the victim up and out of the manhole using an extraction system for confined-space entry and rescue. Administer first aid until he is in stable condition or qualified medical personnel arrive.

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

<p>DANGER</p> <p>1. TIME IS EXTREMELY CRITICAL THROUGHOUT THIS TASK. FAILURE TO RESCUE A VICTIM IN A TIMELY MANNER MAY RESULT IN PERMANENT INJURY OR DEATH.</p> <p>2. NEVER ENTER A MANHOLE UNTIL THE ATMOSPHERIC CONDITIONS HAVE BEEN TESTED AND ARE FOUND TO BE IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS. FAILURE TO COMPLY MAY CAUSE IMMEDIATE DEATH OR PERMANENT INJURY.</p> <p>3. NEVER ENTER A MANHOLE WITHOUT AN ASSISTANT LOCATED OUTSIDE THE MANHOLE. FAILURE TO COMPLY MAY CAUSE IMMEDIATE DEATH OR PERMANENT INJURY.</p>

<p>WARNING</p> <p>CARE SHOULD BE TAKEN WHEN RAISING THE VICTIM OUT OF THE MANHOLE. ENSURE THAT YOU DO NOT INCREASE OR CAUSE FURTHER INJURIES TO THE VICTIM. FAILURE TO COMPLY MAY CAUSE IMMEDIATE PERSONAL INJURY.</p>

<p>CAUTION</p> <p>USE PROPER LIFTING PROCEDURES. FAILURE TO COMPLY MAY CAUSE PERSONAL INJURY AND RESULT IN THE MISSION NOT BEING COMPLETED.</p>
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Remarks: None

Notes: Failure to verify whether the manhole is a permit or nonpermit confined space may cause personnel to be subject

to fines or legal action.

Performance Steps

1. Evaluate the situation by calling to the victim.
 - a. Determine the victim's level of injury or illness before rescuing the victim from the manhole if the victim is conscious and responds in an understanding voice.
 - b. Prepare to rescue the victim from a manhole and provide aid if he is unconscious, does not respond, or appears to be stunned or dazed.
2. Ensure your own protection.
 - a. Contact emergency response personnel.
 - b. De-energize the circuit if necessary or practical.
3. Attempt to raise the victim out of the manhole using the extraction system for confined-space entry and rescue.
 - a. Remove obstructions that could interfere with the removal of the victim.
 - b. Raise the victim until his buttocks clear the rim of the manhole.
4. Assist the victim out of the manhole.
 - a. Position the victim on his back.
 - b. Administer first aid.
5. Continue administering first aid until qualified medical personnel arrive.

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

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Evaluated the situation by calling to the victim.			
2. Ensured your own protection.			
3. Attempted to raise the victim out of the manhole using the extraction system for confined-space entry and rescue.			
4. Assisted the victim out of the manhole.			
5. Continued administering first aid until qualified medical personnel arrived.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	EM 385-1-1	Safety and Health Requirements.	No	No
	FM 4-25.11	First Aid	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. 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: 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 :

Task Number	Title	Proponent	Status
052-204-1113	Prepare a Manhole for Safe Entry	052 - Engineer (Individual)	Reviewed

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1117	Inspect Hot-Line Equipment	052 - Engineer (Individual)	Reviewed
052-204-1113	Prepare a Manhole for Safe Entry	052 - Engineer (Individual)	Reviewed
052-204-1202	Maintain Rigging/Hoisting Equipment	052 - Engineer (Individual)	Reviewed
052-204-1204	Tie Rope Knots and Splices	052 - Engineer (Individual)	Analysis Completed

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-204-2217	Manage a Power Line Crew	052 - Engineer (Individual)	Analysis Completed
052-204-1205	Install Underground Cable	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
05-3-5704	Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5727	Install Underground Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5703	Perform Electrical Safety Systems Testing and Maintenance	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
05-3-5704	Created from Template: Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Analysis
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
05-3-5700	Created from Template: Install Nonstandard 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