

Summary Report for Individual Task  
052-247-1202  
Maintain Urban Search and Rescue Hand and Power Tools  
Status: Approved

---

**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD1** - The materials contained in this course have been reviewed by the course developers in coordination with the Ft Leonard Wood MO/MSCOE foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

**Condition:** You are a member of an Urban Search and Rescue (US&R) team and are given rescue related power and hand tools, maintenance records/checklists, cleaning supplies, personal protective equipment (PPE) and rescue equipment owner's manuals. This task should not be trained in MOPP 4.

**Standard:** Maintain assigned rescue power and hand tools ensuring all components are inspected, cleaned, maintained and deficiencies are documented using the manufacturer's guidelines and owner's manuals.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Never

<b>Task Statements</b>
------------------------

**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** All required references and technical manuals will be provided by the local US&R Command.

## Performance Steps

### 1. Maintain rescue power tools.

Note: Power tools include electric, pneumatic and hydraulic.

#### a. Inspect tools for visible damage.

(1) Inspect parts for serviceability and function.

(a) Ensure that all guards are functional and in place.

(b) Check all electrical components (cords, etc.) for cuts or other damage.

(2) Inspect working surface for damage or wear.

#### b. Inspect cutting blades.

(1) Check blades for damage or wear.

(2) Replace blades that are damaged or worn.

#### c. Check fuel level and fill as necessary.

(1) Use correct fuel type.

(2) Ensure that fuel is fresh.

Note: A fuel mixture may separate or degrade over time. Add fuel additive to extend fuel life for long term storage.

#### d. Check oil level in all tools and fill as necessary.

#### e. Start all power tools.

(1) Ensure power tools will start manually.

(2) Ensure battery packs are fully charged.

#### f. Tag an unserviceable tool and report it to your supervisor.

### 2. Maintain rescue hand tools.

#### a. Inspect hand tools.

(1) Inspect tools for damage.

(2) Inspect parts for serviceability and function.

(3) Inspect working surface for dullness, damage, chips, cracks, or metal fatigue.

#### b. Maintain wood handles.

(1) Repair loose tool heads.

(2) Sand the handle to eliminate splinters.

(3) Apply a coat of boiled linseed oil to the handle to preserve it and prevent roughness and warping.

(4) Do not paint or varnish the handle.

c. Maintain fiberglass handles.

(1) Wash the handle with mild detergent, rinse and wipe dry.

(2) Check for damage or cracks.

(3) Check the tightness of the tool head.

d. Maintain cutting edges.

(1) File the cutting edges by hand.

(2) Sharpen blade as specified in departmental SOPs.

(3) Replace cutting head if required.

e. Maintain unprotected metal surfaces.

(1) Keep free of rust.

(2) File chips, cracks, or sharp edges.

(3) Oil the metal surface lightly. Light machine oil works best.

(4) Do not paint metal surfaces.

3. Clean tools according to manufacturers' instructions and guidelines.

Note: Do not soak wooden handles in water because it will cause the wood to swell.

4. Document all maintenance performed on approved equipment record forms.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all measures are passed (P). Score the Soldier NO-GO if any measure is failed (F). If the Soldier fails any measure, show him how to do it correctly

**Evaluation Preparation:** Setup: Provide the Soldier with all the items listed in the conditions.

Brief student: Tell the Soldier to Maintain Urban Search and Rescue Equipment for Urban Search and Rescue Operations.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Maintained rescue power tools.			
2. Maintained rescue hand tools.			
3. Cleaned tools according to manufacturers' instructions and guidelines.			
4. Documented all maintenance performed on approved equipment record forms.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	IFSTA	International Fire Service Training Association ( IFSTA) Fire Service Search and Rescue, 7th Edition	No	No
	IFSTA - 1st Edition	IFSTA Technical Rescue for Structural Collapse, 1st Edition	No	No
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	Yes	Yes
	NFPA STDS AND REGS	National Fire Protection Association Standards and Regulations	No	No
	TM 3-34.86	Rigging Techniques, Procedures, and Applications {MCRP 3-17.7j}	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.

**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.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
05-3-8012	Perform Trench Rescue Operations	05 - Engineers (Collective)	Approved
05-3-8011	Perform Rope Rescue Operations	05 - Engineers (Collective)	Approved
05-3-8013	Perform Confined Space Rescue Operations	05 - Engineers (Collective)	Approved
05-3-8014	Perform a Structural Collapse Rescue Operation	05 - Engineers (Collective)	Approved
05-3-5413	Perform Machinery Rescue	05 - Engineers (Collective)	Approved
05-3-5408	Perform Vehicle Rescue	05 - Engineers (Collective)	Approved