

**551-88U-1485**  
**Establish Roadway Worker Protection**  
**Status: Approved**

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

**Destruction Notice:** None

**Foreign Disclosure: FD1** - This training product has been reviewed by the training developers in coordination with the Transportation School, Fort Lee, VA foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

**Conditions:** Assigned as a Railway Specialist with the requirement to advise COCOM/Host Nation personnel on how to establish roadway worker protection, given a railyard, flags, radio, lantern, references, Personal Protective Equipment, day or night, in all weather conditions, and in an operational environment. Some iterations of this task should be performed in MOPP 4.

**Standards:** Establish Roadway Worker Protection to prevent accidents and casualties caused by moving railroad cars, locomotives, and roadway maintenance machines striking roadway workers or roadway maintenance machines without causing injury to personnel or damage to equipment in accordance with CFR 49 part 214, UFC 4-860-03 and GCOR.

**Special Conditions:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

**Task Statements**

**Cue:** Your ERC team has been tasked to advise COCOM/Host Nation personnel on how to establish roadway worker protection.

**DANGER**

None

**WARNING**

None

**CAUTION**

Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR and ATP 4-14.

**Remarks:** None

**Notes:** None

## Performance Steps

### CAUTION

Always perform risk assessment before you begin this type of work.

1. Provide job briefing.

Note: Must provide instructions for on-track safety procedures to be followed.

### CAUTION

Working limits should always be a segment of track with definite boundaries.

2. Identify working limits.

### WARNING

Authority to be on rail must be issued by the train dispatcher or control operator who controls train movements on that track.

3. Designate one roadway worker to be in control.
4. Provide exclusive track occupancy on main track.
  - a. If more than 24 hours in advance request Track Bulletin.
  - b. Use timetable to determine type of main track authority.

### WARNING

Must display red stop signal.

### CAUTION

Allow movement of trains and/or equipment where permitted by timetable or System Special Instructions (SSI).

5. Provide flagmen in yard limits or restricted limits.

Note: Need red, yellow, and green flags or lanterns.
6. Provide protection in signaled territory.
  - a. Align switch to prevent access to working limits.
  - b. Deploy derail to prevent access to working limits.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Mark each performance measure either GO or NO-GO. The Soldier must complete all steps to receive a GO for each measure. All measures must be marked GO to receive an overall GO on the task. If the Soldier fails any performance measure, show what was done

wrong and how to do it correctly.

**Evaluation Preparation:** Ensure that all materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on establishing roadway worker protection.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Provided job briefing.			
2. Identified working limits.			
3. Designated one roadway worker to be in control.			
4. Provided exclusive track occupancy on main track.			
5. Provided flagmen in yard limits or restricted limits.			
6. Provided protection in signaled territory.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 4-14	EXPEDITIONARY RAILWAY CENTER OPERATIONS <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_14.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp4_14.pdf</a>	Yes	No
	CFR 49	CFR 49: Parts 200-299	Yes	No
	GCOR	General Code of Operating Rules (GCOR), Seventh Edition	Yes	Yes
	UFC 4-860-03	Unified Facilities Criteria (UFC): Railroad Track Maintenance & Safety Standards	Yes	No

**TADSS :** None

**Equipment Items (LIN):**

LIN	Name
NA1520	Case, Ear Plug
DA3045	Boots, Safety
HA4052	Safety Glasses, Revision Sawfly E
DA159T	Vest Safety RV-1
J68064	GLOVES LTHR MN WORK 1

**Materiel Items (NSN) :**

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

**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 the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer 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 current CBRN doctrine.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None

**Knowledges :**

<b>Knowledge ID</b>	<b>Knowledge Name</b>
K-551-P-0185	Knowledge of railway equipment
551-K-1091	Know rail operation procedures
K-551-T-0047	Knowledge of rail crossing standards
K-551-P-0126	Knowledge of securing track and setting out blue flag
K-551-E-0077	Knowledge of host nation rail movement operations
K-551-P-0008	Knowledge of rail safety procedures
K-551-T-0015	Knowledge of railway signal systems

**Skills :** None

**ICTL Data :** None