

**551-88U-1455
Identify On Track Equipment
Status: Approved**

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 identifying on track equipment, given a railyard, Personal Protective Equipment, multiple railcars, equipment, and references, day or night, in all weather conditions, and in an operational environment. Some iterations of this task should be performed in MOPP 4.

Standards: In accordance with applicable references, identify on track equipment without causing injury to personnel or damage to equipment.

Special Conditions: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: You have been given the task to advise COCOM/Host Nation personnel on how to identify equipment on the tracks.

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

1. Identify the categories of railway equipment.
2. Identify the categories of passenger cars.
3. Identify a modification that can be done to passenger cars.
4. Identify the primary function of a freight car.
5. Identify the categories of freight cars.
6. Identify the categories of special equipment.
7. Identify Rail Car Superstructures.
 - a. Steel component, composite car superstructures.
 - b. All steel car superstructures.
8. Identify Car Body.
 - a. Cars with wood, composite, or steel framework.
 - b. Flat cars and gondola cars.
 - c. Hopper or dumper cars.
 - d. Tank cars.
9. Identify Car Under Frames.
 - a. Crossbars and crossies.
 - b. Center sill.
 - c. Stringers.
 - d. Center plate.
 - e. Body bolsters.
 - f. Striking plate.
 - g. Coupler and draft pocket.
 - h. Stake pocket.
 - i. End and side sills.
 - j. Diagonal braces.

(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 identifying on track equipment.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Identified the categories of railway equipment.			
2. Identified the categories of passenger cars.			
3. Identified a modification that can be done to passenger cars.			
4. Identified the primary function of a freight car.			
5. Identified the categories of freight cars.			
6. Identified the categories of special equipment.			
7. Identified Rail Car Superstructures.			
8. Identified Car Body.			
9. Identified Car Under Frames.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 4-14	Expeditionary Railway Center Operations	Yes	No
	BASIC TRAINING MANUAL	Basic Training Manual for Brakemen and Switchmen	Yes	Yes
	GCOR	General Code of Operating Rules (GCOR), Seventh Edition	Yes	No

TADSS : None

Equipment Items (LIN):

LIN	Name
R02564	RY CAR REF DISAMBLD
R01468	RY CAR HOPPER 70T DS
H35800	HIGH RAIL ASSEMBLY
Q99037	RWY CAR CABOOSE 50TON
V11641	Tamping Machine Railway Gas-Electric Driven: 56-1/2 Inch Track Gage 12 Tampers
DA3045	Boots, Safety
DA159T	Vest Safety RV-1
Q98728	RY CAR BOX 50 TON DS
R03112	RY CAR TNK PTM 10800G
Q99824	RY CAR FLAT 80T 8WHL
C37162	CRANE RAILWAY
NA1520	Case, Ear Plug
C36518	CRANE RAILROAD TIE
HA4052	Safety Glasses, Revision Sawfly E
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 : None

Skills : None

ICTL Data : None