

551-88U-2435
Communicate Railroad Track Standards (CONUS/OCONUS)
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 given the requirement to advise COCOM/Host Nation personnel on how to communicate railroad track standards (CONUS/OCONUS), given PPE, a complete risk assessment, all applicable publications, forms, records, tools, materials, personnel, and 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: Inform personnel of railroad track standards (CONUS/OCONUS) without causing injury to personnel or damage to equipment.

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 communicate railroad track standards (CONUS/OCONUS).

DANGER
None

WARNING
None

CAUTION
Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR, ATP 4-14, and UFC 4-860-03.

Remarks: None

Notes: None

Performance Steps

1. Inform personnel of drainage standards.
2. Inform personnel of vegetation standards.
3. Inform personnel of the following track geometry standards.
 - a. Track gage.
 - b. Track alignment.
 - c. Track curves.
 - d. Track elevation.
4. Inform personnel of crosstie standards.
5. Inform personnel of the following track panel standards.
 - a. Rail end mismatch.
 - b. Rail joints.
 - c. Tie plates and spacing.
 - d. Rail anchors.
6. Inform personnel of the following turnout standards.
 - a. Track crossings.
 - b. Switches.
 - c. Frogs.
 - d. Track guard rails.
7. Inform personnel of railway clearance standards.
8. Inform personnel that exceptions to standards have to be recorded.

(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 how to communicate railroad track standards (CONUS/OCONUS).

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Informed personnel of drainage standards.			
2. Informed personnel of vegetation standards.			
3. Informed personnel of track geometry standards.			
4. Informed personnel of crosstie standards.			
5. Informed personnel of track panel standards.			
6. Informed personnel of turnout standards.			
7. Informed personnel of railway clearances.			
8. Informed personnel that exceptions to standards had to be recorded.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 4-14	Expeditionary Railway Center Operations	Yes	No
	GCOR	General Code of Operating Rules (GCOR), Seventh Edition	Yes	No
	UFC 4-860-03	Unified Facilities Criteria (UFC): Railroad Track Maintenance & Safety Standards	Yes	Yes

TADSS : None

Equipment Items (LIN):

LIN	Name
DA153M	Helmet, Safety
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.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
K-551-T-0047	Knowledge of rail crossing standards
K-551-T-0032	Knowledge of production surfacing
K-551-T-0035	Knowledge of FRA Inspection Standards for grade crossings signals
K-551-T-0029	Knowledge of procedures for repairing a railway bridge
K-551-T-0030	Knowledge of production tie replacement
K-551-U-0039	Knowledge of track inspections
K-551-T-0025	Knowledge of FRA Rules
K-551-T-0007	Knowledge of ballast standards
K-551-T-0027	Knowledge of mathematics (algebra / geometry)
K-551-T-0006	Knowledge of rail grinding
K-551-T-0020	Knowledge of clearances standards
K-551-T-0052	Knowledge of Army Rail Operations
K-551-T-0013	Knowledge of roadway and drainage
K-551-T-0012	Knowledge of track nomenclature
K-551-T-0016	Knowledge of basic hand tools
K-551-T-0019	Knowledge of turnouts standards
K-551-T-0014	Knowledge of vegetation and vegetation control
K-551-T-0018	Knowledge of track inspection forms

Skills :

Skill ID	Skill Name
S-551-U-0003	Ability to interpret General Orders (railroad) and General Notices
S-551-H-0021	Ability to use a tape measure
S-551-T-0030	Ability to inspect track and roadway
S-551-T-0023	Ability to read a track map
301-S-238	Determine the gauge of a railroad.
S-551-T-0021	Ability to determine track defect

ICTL Data : None