

Summary Report for Individual Task
551-88U-3320
Validate Quarterly Grade Crossing Signal Inspections (CONUS/OCONUS)
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: Assigned as a Railway Specialist on site of a railway grade crossing, advising a COCOM/HN personnel, given an Operations Order/Operations Plan, a rail crew, Personal Protective Equipment, completed risk assessment, grade crossing, Federal Railroad Administration (FRA) inspection criteria, FRA inspection form, track map, and means of communication in an environmental scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Validate the rail crew's quarterly grade crossing signal inspections, ensuring compliance with FRA inspection standards, IAW CFR 49, Part 213, TM 5-627, and UFC 4-860-03.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Your team is advising the COCOM/HN personnel on the status of the tracks. You must validate that all the inspections have been performed.

DANGER Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR. Install portable derail or flag protection IAW GCOR.
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WARNING Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR. Install portable derail or flag protection IAW GCOR.

CAUTION Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR. Install portable derail or flag protection IAW GCOR.

Remarks: Use the most current version of CFR 49, Parts 200 - 299 (Rail).

Notes: None.

Performance Steps

1. Verify that the railroad reports an activation failure of an active highway-rail crossing with 15 days of occurrence.
Note: Ensure the performance of necessary adjustment or repair.
2. Verify that the railroad maintains a record of each report of a warning system malfunction.
3. Confirm that all control circuits affecting the safe operation of a highway-rail grade crossing warning system operate on a fail-safe basis.
4. Verify that the railroad provides for safety of highway users and/or train traffic before interfering, in testing or otherwise, with the functioning of the grade crossing warning system.
5. Verify that all outdoor housings of grade crossing warning system apparatus are kept, locked, sealed, or secured against unauthorized entry.
6. Confirm that the railroad provides a standby power source to operate the warning system during power interruption.
7. Verify that each flashing light unit is properly positioned and visible to persons approaching the crossing.
8. Verify that each gate arm light is maintained in such a condition as to be properly visible to persons approaching the crossing.
9. Confirm that train detection apparatus is maintained to detect a train, locomotive, or car which occupies any part of a train detection circuit.
10. Verify that each sign mounted on a grade crossing signal post or mast is maintained in good condition and visible to any approaching user.
11. Verify that each gate and arm mechanism is inspected for sound structure and operability at least once each month.
12. Confirm that inspection results are recorded on forms approved by the FRA reflecting the following information:
 - a. Place and date.
 - b. Equipment inspected.
 - c. Results of inspections/tests.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Setup: Provide the Soldier a Railway Grade Crossing, Rail Crew, FRA Inspection form, and references.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Verified that the railroad reported an activation failure of an active highway-rail crossing with 15 days of occurrence.			
2. Verified that the railroad maintained a record of each report of a warning system malfunction.			
3. Confirmed that all control circuits affecting the safe operation of a highway-rail grade crossing warning system operated on a fail-safe basis.			
4. Verified that the railroad provided for safety of highway users and/or train traffic before interfering, in testing or otherwise, with the functioning of the grade crossing warning system.			
5. Verified that all outdoor housings of grade crossing warning system apparatus were kept, locked, sealed, or secured against unauthorized entry.			
6. Confirmed that the railroad provided a standby power source to operate the warning system during power interruption.			
7. Verified that each flashing light unit was properly positioned and visible to persons approaching the crossing.			
8. Verified that each gate arm light was maintained in such a condition to be properly visible to persons approaching the crossing.			
9. Confirmed that train detection apparatus was maintained to detect a train, locomotive, or car which occupied any part of a train detection circuit.			
10. Verified that each sign mounted on a grade crossing signal post or mast was maintained in good condition and visible to any approaching user.			
11. Verified that each gate and arm mechanism was inspected for sound structure and operability at least once each month.			
12. Confirmed that inspection results were recorded on forms approved by the FRA.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	CFR 49	CFR 49: Parts 200-299	Yes	No
	TM 5-627	MAINTENANCE OF TRACKAGE {NAVFAC MO-103;AFM 91-33}	Yes	No
	TM 5-628	RAILROAD TRACK STANDARDS {AFR 91-44}	Yes	No
	UFC 4-860-03	Unified Facilities Criteria (UFC): Railroad Track Maintenance & Safety Standards	Yes	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.

It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across Doctrine, Organization, Training, Material, Leadership and Education, Personnel and Facilities (DOTMLPF) and ensure all training procedures; materials and doctrine include 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. This Training Support Package meets this standard.

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.

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 :

Task Number	Title	Proponent	Status
55-6-0005	Coordinate Rail and Bridge Safety Assessments	55 - Transportation (Collective)	Approved
55-6-0006	Advise on employment of theater rail capabilities	55 - Transportation (Collective)	Approved
55-6-0007	Provide Rail Network Capability and Infrastructure Assessments	55 - Transportation (Collective)	Approved
55-6-0008	Provide Mode Feasibility Study	55 - Transportation (Collective)	Approved