

551-88U-4430
Review Procedures for Emergency Response to Derailments and Other Incidents
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 analyzing procedures for emergency response to derailments and other incidents, given 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.

Standards: Analyze procedures for emergency response to derailments and other incidents without errors IAW the Expeditionary Railway Center Operations and the Emergency Response Guidebook without causing injury to personnel or damage to equipment.

Special Conditions: None

Safety Risk: Low

MOPP 4:

Task Statements

Cue: You have been tasked to assess and advise COCOM/Host Nation personnel on review procedures for emergency response to derailments and other incidents.

DANGER

None

WARNING

None

CAUTION

Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR and ATP4-14.

Remarks: None

Notes: None

Performance Steps

1. Notify crews of traffic diversion.
 - a. Relay situation reports to dispatchers, station agents, or check points.
 - b. Issue reduced speeds according to references.
2. Coordinate adherence to safety practices.
3. Evaluate the communication of the delay caused by fire.
 - a. Contact maintenance of way personnel and railway equipment supervisor.
 - b. Contact ground transportation unit.
4. Receive weather reports from train dispatcher.
 - a. Arrange relay of location and specific problems caused by adverse weather conditions to appropriate trains/reporting stations in dispatch division.
 - b. Determine possible delay due to washout.
 - (1) Stockpile repair materials at suitable locations.
 - (2) Contact Track Master/Railway Section Foreman/Maintenance of Way personnel when washout has occurred.
 - c. Determine delay due to flooding or potential flooding.
 - (1) Contact maintenance of way personnel and corps of engineers.
 - (2) Organize movement of critical freight and equipment to higher ground.
 - (3) Direct anchoring of bridges and trestles.
 - d. Determine dirt and rock slide precautions and removal.
 - (1) Contact maintenance of way personnel.
 - (2) Direct excavation of slide material.
 - e. Determine snow slide precautions and removal.
 - (1) Contact maintenance of way personnel.
 - (2) Coordinate excavation of snow slide material.
5. Evaluate the communication of the delay caused by tunnel cave-in.
 - a. Contact maintenance of way personnel.
 - b. Contact corps of engineers.
6. Evaluate the communication of the delay caused by minor derailment procedures and contact maintenance of way personnel.
7. Evaluate the communication of the delay caused by congestion at terminals and yards.
 - a. Add additional crews and engines.
 - b. Modify train orders or clearances.

8. Evaluate the communication of the delay caused by enemy action.
 - a. Contact S-2 for information regarding reconnaissance or evasive detour.
 - b. Contact yardmaster.
 - (1) Notify to modify train schedules.
 - (2) Notify consignees and shippers of delay.
 - c. Contact maintenance of way personnel.
 - (1) Identify problem coordinates or other directional guidance.
 - (2) Issue extra work.
9. Evaluate the communication of the delay caused by human error by completing individual reporting action.
10. Evaluate the communication of the delay caused by equipment failure.
 - a. Receive equipment failure report from road foreman of engines.
 - b. Contact repair personnel.
 - c. Notify dispatcher.
 - (1) Order replacement material items.
 - (2) Transfer perishables and personnel.
11. Issue orders to Senior Assistant Yardmaster and Road Foreman of Engines.
 - a. Brief problem to superior officer.
 - b. Request assistance when unit resources are inadequate to handle the emergency.
12. Acknowledge emergency call.
 - a. Identify emergency call identified by stating, "Emergency, Emergency, Emergency."
 - b. Inform lower priority radio traffic of emergency call.
13. Review SITREP.
 - a. Current location of train.
 - b. Status of crewmembers.
 - c. Location of HAZMAT in train.
 - d. Type of HAZMAT in train.
 - e. Quantity of HAZMAT in train.
 - f. Number of derailed railcars:
 - (1) Vertical.
 - (2) Horizontal.

(3) Burning.

(4) Leaking.

g. Local weather conditions.

h. Civilian injuries.

14. Execute incident action plan.

a. Remind train crew to remain upwind, a safe distance from HAZMAT as identified in ERG and to brief incident commander upon arrival.

b. Notify nearest HAZMAT Response Team.

c. Notify local authorities and area commanders.

d. Notify Trainmaster.

e. Notify Roadmaster.

f. Notify Master Mechanic.

g. Notify Chief Train Dispatcher.

15. Monitor situation and request support as needed.

a. Detour trains around area when possible.

b. Arrange for blocked trains to be shoved or towed back to nearest yard or siding.

c. Inform yardmasters of need to lay down trains that cannot be detoured.

d. Dispatch work train(s) as needed to worksite.

16. Prepare Superintendent's Telegraphic Report of Accidents (DA Form 5614-R)

(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 analyzing procedures for emergency response to derailments and other incidents.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Notified crews of traffic diversion.			
2. Coordinated adherence to safety practices.			
3. Evaluated the communication of the delay caused by fire.			
4. Received weather reports from train dispatcher.			
5. Evaluated the communication of the delay caused by tunnel cave-in.			
6. Evaluated the communication of the delay caused by minor derailment procedures and contacted maintenance of way personnel.			
7. Evaluated the communication of the delay caused by congestion at terminals and yards.			
8. Evaluated the communication of the delay caused by enemy action.			
9. Evaluated the communication of the delay caused by human error by completing individual reporting action.			
10. Evaluated the communication of the delay caused by equipment failure.			
11. Issued orders to Senior Assistant Yardmaster and Road Foreman of Engines.			
12. Prepared Superintendent's Telegraphic Report of Accidents (DA Form 5614-R).			
13. Acknowledged emergency call.			
14. Reviewed SITREP.			
15. Executed incident action plan.			
16. Monitored situation and requested support as needed.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 4-14	Expeditionary Railway Center Operations	Yes	Yes
	ERG 2012	Emergency Response Guidebook 2012: A Guidebook For First Responders During the Initial Phase of a Dangerous Goods/Hazardous Materials Transportation Incident	Yes	No
	GCOR	General Code of Operating Rules (GCOR), Seventh Edition	Yes	No

TADSS : None

Equipment Items (LIN): None

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 :

Knowledge ID	Knowledge Name
551-K-1091	Know rail operation procedures
551-K-0044	How to judge distances at night
551-K-0007	How to read and interpret technical manuals
551-K-0008	How to judge distances
551-K-0049	How to enforce safety rules and techniques

Skills :

Skill ID	Skill Name
551-S-0145	Ability to read, understand, and comply with unit SOP and local policies.
551-S-0144	Ability to read, understand, and comply with regulatory guidance.
551-S-0075	Ability to read, interpret and perform instructions from another person
551-S-0055	Ability to match job requirements to tools needed
551-S-0060	Ability to conduct a military briefing
551-S-0084	Ability to judge distances at night
551-S-0051	Ability to read and interpret technical manuals

ICTL Data : None