

551-88H-2305
Inspect Blocking/Bracing Materials Required for Rail Movement
Status: Approved

Security Classification: U - Unclassified

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 Eustis, VA 23608 foreign disclosure officer.

This training product can be used to instruct international military students from all approved countries without restrictions.

Conditions: Assigned as a cargo checker, Soldier must inspect blocking and bracing materials required for rail movement. Given a completed risk assessment, all applicable publications, forms, and records, tools, materials, personnel, equipment in all weather conditions day or night in an operational environment. Some iterations of this task should be performed in MOPP 4.

Standards: On orders; Soldier will inspect blocking and bracing materials required for rail movement IAW TM 55-2200-001-12, procedures and specifications utilizing the task Go/ No-Go criteria. Comply with all warnings, cautions, and notes listed in all references. Soldier must perform this task with 100% compliance, without injury or damage to equipment.

Special Conditions: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: None

DANGER

None

WARNING

MODIFICATION HAZARD

Unauthorized modifications, alterations or installations of or to this equipment are prohibited and are in violation of AR 750-10. Any such unauthorized modifications, alterations or installations could result in death, injury or damage to the equipment.

HIGH PRESSURE HYDRAULIC SYSTEM HAZARDS

Hydraulic systems can cause serious injuries if high pressure lines or equipment fail. Never work on hydraulic systems or equipment unless there is another person nearby who is familiar with the operation and hazards of the equipment, and who can give first aid. A second person should stand by controls to turn off hydraulic pumps in an emergency. When the technicians are aided by the operators, the operators must be warned about dangerous areas.

MOVING MACHINERY HAZARDS

Be very careful when operating or working near moving machinery. Running engines, rotating shafts, and other moving machinery parts could cause personal injury or death.

ELECTRICAL HAZARDS

Whenever possible, the power supply to the equipment must be shut off before beginning work on the equipment. Do not be misled by the term "low voltage." Potentials as low as 50 volts may cause death under adverse conditions". Be careful not to contact 115-Vac input connections when installing or operating this equipment. Whenever the nature of the operation permits, keep one hand away from the equipment to reduce the hazard of current flowing through the body.

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Check unit manifest to determine what vehicles are listed.
2. Record vehicles not on unit manifest.
3. Record blocking and bracing material requirements for vehicles on unit manifest.
4. Compute blocking and bracing material requirements.
5. Prepare to allow for sufficient amounts of materials if units are required to construct patterns of blocking and bracing materials according to AAR rules.
6. Submit a request for blocking and bracing to the installation transportation officer (ITO).
Note: If there is no ITO, submit the request for blocking and bracing materials to the shipping activity or responsible supply agency.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

Evaluation Preparation: Test this task in with applicable training material. Ensure Soldier understands why this task is important to support the overall training objective.

Setup: Test this task in in accordance with prescribed references or Technical Manual (TM).

Brief Soldier: Tell the Soldiers adhere to all Safety precautions when performing the task listed.

Note: Ensure that all required equipment to perform this task is available.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Checked unit manifest to determine what vehicles were listed.			
2. Recorded vehicles not on unit manifest.			
3. Recorded blocking and bracing material requirements for vehicles on unit manifest.			
4. Computed blocking and bracing material requirements.			
5. Prepared to allow for sufficient amounts of materials if units were required to construct patterns of blocking and bracing materials according to AAR rules.			
6. Submitted a request for blocking and bracing to the installation transportation officer (ITO).			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	ATP 3-35	Army Deployment and Redeployment	Yes	No	
	TM 55-2200-001-12	TRANSPORTABILITY GUIDANCE FOR APPLICATION OF BLOCKING, BRACING AND TIEDOWN MATERIALS FOR RAIL TRANSPORT (REPRINTED W/BASIC INCL C1-4)	Yes	Yes	

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. 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, Materiel, 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 an 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.

Refer to ATP-45.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

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. In a training environment, leaders must perform risk management in accordance with ATP 5-19, Risk Management. Leaders will complete a DD Form 2977 DELIBERATE RISK ASSESSMENT 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), as well as any other variables.

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.

No food or drink is allowed near or around electrical equipment (CPU, file servers, printers, projectors, etc.) due to possible electrical shock or damage to equipment. Exercise care in personal movement in and through such areas. Avoid all electrical cords and associated wiring. In event of electrical storm, you will be instructed to power down equipment.

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 ATP 3-11.32, NBC Protection, ATP 3-11.32, CBRN Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-2306	Conduct Rail Loading Operations	551 - Transportation (Individual)	Approved

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
100-K-P30011	Know how to identify and enforce Risk Management procedures and control measures
K7461	Know the components of the risk assessment level statement
031-K-627-096	Knowledge of the risk assessment process
031-K-627-080	Knowledge of the basic hazard and risk assessment techniques
K-551-V-0050	Knowledge of the purpose of a risk assessment
301-K-356	Understand what a risk assessment is.
K-551-H-0287	Knowledge of computing blocking and bracing materials
K-551-H-0288	Knowledge of requesting procedures for blocking and bracing materials
K-551-H-0286	Knowledge of computerized movement planning and status report
K-551-T-0036	Knowledge of risk assessment procedures

Skills :

Skill ID	Skill Name
S-551-H-0106	Ability to use blocking, bracing, and tie-down materials
S-551-H-0137	Ability to perform rail loading operations
S-551-H-0203	Ability to utilize computerized movement planning and status report
S-551-E-0010	Ability to conduct rail loading operations
S-551-H-0204	Ability to compute blocking and bracing materials
S-551-H-0205	Ability to request blocking and bracing materials

ICTL Data : None