Report Date: 11 Feb 2020

551-88M-1505
Conduct Loading/Unloading Operations Using CHU
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 Ft. Lee, VA foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Conditions: In an operational environment, Your unit has received a mission to pick up and drop off ISO containers between two different points of interest. Your section has to transport numerous containers from the Airport of Debarkation (APOD) to a Forward Operating Base (FOB). You have a Heavy Expanded Mobility Tactical Truck-Load Handling System (HEMTT-LHS) truck or Palletized Load System (PLS) Truck equipped with the Container Handling Unit (CHU) and configured in the container mode, a container to be loaded (any container that is 82, 72, 64, 51, or 48 inches tall), hearing protection, eye protection, Army Combat Helmet (ACH), Improved Outer Tactical Vest (IOTV), work gloves and ground guide (spotter). CHU is to be on the ground and configured for appropriate container.

Some iterations of this task should be performed in MOPP 4.

Standards: Load and unload (with the aid of a ground guide (spotter), an International Standard Organization (ISO) container using the HEMTT-LHS truck tractor or Palletized Load System (PLS) Truck, using the Container Handling Unit (CHU) in 100% adherence with TM 9-2320-319-10-1 and local SOP while using the GO/NO-GO criteria.

Special Conditions: Equipment Conditions: a) Lifting mechanism is in deployed position. b) Lift frame retrieved and unloaded. c) Bail bar lock is installed on hook. d) Slider bed assemblies in container configuration e) MODE switch is set to AUTO. f) Stowage toggle switch set to OFF. g) NO TRANS light on. Before loading a container, ensure the following conditions are met: a) Container is of correct type and size for ECHU and vehicle. b) Weight of cargo in container does not exceed maximum rating for container. c) Cargo in container is evenly distributed. d) Cargo is sufficiently secured for container to be inclined up to 35-degrees to horizontal. e) Center of gravity of cargo is as low and central as possible. f) Total weight of cargo and container does not cause GVWR of vehicle to be exceeded, or GAWR of any axle to be exceeded. If container is stuck or frozen to ground, loosen it with an adequately rated forklift truck or bucket loader. Do not attempt to loosen container with CHU.

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: Your unit has received a mission to pick up and drop off ISO containers between two different points of interest.

DANGER

There are inherent dangers related to operating this equipment to perform loading/unloading procedures. Every precaution must be taken to prevent accidents by strictly following established procedures and adhering to all DANGER/WARNING/CAUTION statements in the reference TM/TBs.

WARNING

Adhere to all WARNING statements in the applicable TM or other reference publication.

CAUTION

Adhere to all CAUTION statements in the applicable TM or other reference publication.

Remarks: None

Notes: The Soldier will perform this task using either the PLS or HEMTT-LHS systems. The reference publication will be consulted for proper operational steps. Use of the technical manual is not required during execution of this task. However, all steps MUST be adhered to as well as compliance with all listed safety related precautions. Assistance is only allowed by a ground guide to position vehicle.

Performance Steps

WARNING

• Check for overhead power lines or other obstructions beforeattempting CHU operations. LHS reaches a height of 18 ft (5.5 m).Failure to comply may result in injury or death to personnel.• Ensure engine is OFF and vehicle parking brake is ON beforepreparing PLS vehicle for container mode. Failure to comply may result in injury or death to personnel.

Remarks: This task is abbreviated and all performance steps and performance measures required are referred to in the applicable reference publication. Due to the considerable length of this operation, all actions to be performed and evaluated are to be taken directly from the reference publication sited in each step. Operator must make the necessary adjustments to equipment to accommodate the differing heights of containers used. All WARNING and CAUTION statements listed in the TM MUST be adhered to

1. Prepare PLS vehicle for container mode.

   Note: Refer to TM 9-2320-319-10-1, Work Package 0043 for performance steps for the PLS truck (M1075A1 only).

There are two straps and flipper lock assemblies on lifting frame.

2. Load and unload container (82.0 in. [2082.8 mm] or taller) to PLS vehicle using lifting frame (LF.

   Note: Refer to TM 9-2320-319-10-1, Work Package 0044 for performance steps for the PLS truck (M1075A1 only).

3. Transport lifting frame with PLS/LHS without container.

   Note: Refer to TM 9-2320-319-10-1, Work Package 0048 for performance steps for the PLS truck (M1075A1 only).

4. Return PLS vehicle to flatrack mode.

   Note: Refer to TM 9-2320-319-10-1, Work Package 0049 for performance steps for the PLS truck (M1075A1 only).

(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 the Soldier receives a NO-GO, tell the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Brief Soldier on task Specifications. Provide a vehicle and supporting equipment with before-operation maintenance performed, an area large enough to accommodate the operation, chock blocks, hearing protection, eye protection, Army Combat Helmet (ACH), ground guides, seasonal uniform and work gloves in 100% adherence with TM 9-2320-319-10-1 and local SOP.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Prepared PLS vehicle for container mode.			
2. Loaded and unloaded container (82.0 in. [2082.8 mm] or taller) to PLS vehicle using lifting frame (LF.			
3. Transported lifting frame with PLS/LHS without container.			
4. Returned PLS vehicle to flatrack mode.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	TC 21-305-1	TRAINING PROGRAM FOR THE HEAVY EXPANDED MOBILITY TACTICAL TRUCK (HEMTT) https://armypubs.us.army.mil/doctrine/DR_pubs/dr_c/pdf/tc21_305_1.pdf	Yes	No	
	TC 21-305-20	Manual for the Wheeled Vehicle Operator {AFMAN 24-306(I)}	Yes	No	Chapters 3, 10, 12
	TM 9-2320-319-10-1	OPERATOR`S MANUAL FOR TRUCK, TRACTOR, M1074A1 AND M1075A1 PALLETIZED LOAD SYSTEM M1074A1 (NSN: 2320-01-544-2244)	Yes	Yes	

TADSS : None

Equipment Items (LIN): None

Materiel Items (NSN) :

Step ID	NSN	LIN	Title	Qty
	2320-01-624-9568	T05063	Truck, Palletized Loading System: M1075A1 with ECHU	1
	2320-01-445-8266	C84862	Container Handling Unit (CHU)	1
	8145-01-287-8567		Shipping and Storage Container, Miscellaneous Equipment, Marshalling Yard System	1

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. ENVIRONMENTAL. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTML PF and ensure all training procedures, training materials, and training 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 program of instruction meets this standard.

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. License Instructors must ensure that operators of tactical wheeled vehicles are trained IAW AR 600-55, AR 385-10 Chapter 11, vehicle training circulars (TC), and TC 21-305-20. When training on a specific vehicle the instruction will include all safety hazards and risks of operating or working with the vehicle.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
551-K-0112	How to read, interpret, and relay visual hand and arm signals
551-K-0008	How to judge distances
551-K-0068	How to operate a PLS/HEMTT-LHS Truck Tractor in Container Mode

Skills :

Skill ID	Skill Name
551-S-0048	Ability to read, interpret, and relay visual hand and arm signals
551-S-0006	Ability to operate a PLS/HEMTT-LHS Truck Tractor in Container Mode
551-S-0052	Ability to judge distances

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88M - Motor Transport Operator SL1	Enlisted	MOS: 88M, Skill Level: SL1