

Summary Report for Individual Task
551-88M-1507
Conduct Container Rollin/Rollout (CROP) Load/Unload Operations
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD5 - 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 all requesting foreign countries without restrictions.

Condition: In an operational environment, given a HEMTT-LHS/PLS Truck, ISO Container(s), and CROP(s), hearing protection, and ground guide (spotter), and firm ground for the operations

Standard: Operate the HEMTT-LHS/PLS truck to load an ISO container with one or more CROP(s). Load then unload one or more to a maximum of 6 CROPs in a stack into/from the ISO container. ISO container doors must be able to be closed and secured. All CROP stacking, and ISO loading/unloading must be completed using the spotter and must not incur injury to personnel or damage to equipment.

Special Condition: Operator should have a valid driver's license or be accompanied by a licensed driver or perform operation in a controlled driving range under direct supervision of a licensed driver/instructor. During insertion procedure, at least one ground guide (spotter) is required.

Safety Risk: Medium

MOPP 4:

Task Statements

Cue: Your unit has been tasked to provide cargo transportation support.

DANGER

Adhere to all DANGER statements listed in the equipment or vehicle technical operator's manual applicable to this procedure(s). Failure to comply may result in injury to personnel or damage to equipment.

WARNING

Adhere to all WARNINGS listed in the equipment or vehicle technical operator's manual applicable to this procedure(s). Failure to comply may result in injury to personnel or damage to equipment.

CAUTION

Adhere to all CAUTIONS listed in the equipment or vehicle technical operator's manual applicable to this procedure(s). Failure to comply may result in injury to personnel or damage to equipment.

Remarks: None

Notes: None

Performance Steps

1. Load ISO Container (HEMTT-LHS and PLS).

Note: These procedural steps require TWO Soldiers to perform. One will act as ground guide/spotter.

- a. Open ISO container doors and secure in open position.
- b. Remove web straps securing CROPs.
- c. Back vehicle to approximately 15 feet from ISO container door opening.
- d. Unload CROPs until bottom CROP rollers are approximately 1 foot from ground.

WARNING

Do not stand between CROP and ISO container. Ensure all personnel stand clear of CROP when CROP is being moved. Failure to comply may result in injury or death to personnel.

CAUTION

M3 CROP is designed to fit into door opening of 91 in. (231 cm). If container is more than 10 years old, door opening may not be wide enough. DO NOT attempt to force CROP into containers with door openings less than 91 in. (231 cm). Failure to comply will result in damage to equipment.

e. Using at least one ground guide, carefully back vehicle up and insert rear of CROP approximately 2 feet into ISO container.

Note: Several attempts to insert CROPs may be required because ISO container door opening is only slightly wider than CROP.

CAUTION

Extreme caution must be used to ensure bottom CROP rollers remain inside ISO container. Failure to comply may result in damage to equipment.

f. Unload CROPs allowing vehicle to be pushed forward, until front of bottom CROP is approximately 1 foot from ground.

g. (If required) Position ISO container loading platforms on ground, in front of and against ISO container door opening so CROP rollers can roll up container loading platforms into ISO container.

h. (If required) Unload CROPs until bottom CROP rollers are grounded in front of ISO container loading platforms and front of bottom CROP is approximately 12-18 inches from ground.

i. (If required) Using at least one ground guide, use vehicle to push CROPs up loading platforms and into ISO container.

j. Using at least one ground guide, back vehicle up until CROPs front twist lock housings are inside ISO container.

k. If CROPs appear to be out of alignment inside ISO container, do the following:

(1) Stop vehicle. Pull vehicle and CROPs forward several feet. Back up vehicle and realign CROPs.

(2) After CROPs have been properly realigned, back vehicle up until CROPs front twist lock housings are inside ISO container.

l. Unload CROPs entire weight to ISO container floor. Disconnect LHS lift hook from CROP, and move vehicle forward approximately 3 feet.

m. Remove ISO container loading platforms (if used).

n. Attach hook arm extension to LHS hook arm.

WARNING

Always lift stack of CROPs by connecting lift device to bottom CROP. Failure to comply may result in injury or death to personnel.

o. Connect hook arm extension to bottom CROP. Lift and push CROPs into ISO container until CROPs rear bumpers firmly contact front of ISO container and bracing mechanism cams can be positioned into shoring slots on both sides of ISO container door.

p. Disconnect hook arm extension from CROPs and drive vehicle forward so ISO container doors can be closed.

q. Remove hook arm extension assembly from LHS hook arm and return hook arm extension to stowage.

r. Rotate cams in left and right bracing mechanisms until shoring slots on both sides of ISO container are engaged.

s. If cam will not engage shoring slot, insert pin into adjustment collar, and turn adjusting cam forward or aft until cam will engage shoring slot.

t. Using pin, turn adjustment collar until cam is pushed and positioned tight against front of shoring slot.

Note: Depending upon CROP distance from shoring slots, cams will engage in one of two positions depicted above as nominal position and minimum position. If required, use a forklift to position CROPs so either nominal or minimum position can be achieved.

u. Insert pin into one of the two holes in cam securing block, and install hitch-pin clip.

v. Close and secure ISO container doors.

2. Unload ISO Container (HEMTT-LHS and PLS).

a. Open ISO container door and secure in open position.

b. Remove hitch-pin clip and pin from cam securing block.

c. Using pin, turn adjustment collar until cam is free from shoring slot.

d. Install hook arm extension assembly on LHS hook arm.

CAUTION

Attempting to load/unload stack of CROPs or loaded CROP in ISO container requires extreme care to prevent damage to equipment. Clearance between ceiling of ISO container and top of load and inside walls of ISO container and each side of CROP is designed to be close, requiring at least one ground guide to assist during difficult insertion/removal procedure. Ensure CROPs do not contact top of ISO container door opening or inside walls of ISO container. Failure to exercise extreme caution during removal may result in damage to ISO container or CROPs.

e. Connect hook extension assembly to bottom CROP. Load CROPs, and move vehicle forward until CROPs front twist lock housing are outside ISO container.

f. Remove and stow hook arm extension assembly from LHS hook arm.

g. Connect hook arm to bottom CROP.

WARNING

CROP weighs 3,800 lbs (1 727 kg). Six CROPs weigh 22,800 lbs (10 364 kg). Ensure all personnel stand clear of CROP when CROP is being moved. Failure to comply may result in injury or death to personnel.

CAUTION

Ensure CROPs do not contact top of ISO container door opening or inside walls of ISO container. Failure to exercise extreme caution during insertion may result in damage to ISO container or CROPs.

h. Load CROPs onto vehicle.

i. Drive vehicle forward until CROP rollers are out of ISO container.

j. Load CROPs onto vehicle.

(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: Brief Soldier on Task specifications. Provide either a HEMTT-LHS or PLS truck loaded with one or more CROPs, Serviceable ISO Container, ground guide/spotter, hearing protection, work gloves, (loading platforms is applicable).

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Loaded ISO Container (HEMTT-LHS and PLS).			
2. Unloaded ISO Container (HEMTT-LHS and PLS).			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	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	No	No
	TC 21-305-20	Manual for the Wheeled Vehicle Operator {AFMAN 24-306(I)}	No	No
	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
	TM 9-2320-345-10	OPERATORS MANUAL FOR TRUCK, LOAD HANDLING SYSTEM (LHS), W AND W/O WINCH, 8X8 M1120A4 (NSN 2320-01-534-1872)(EIC BG7) (THIS ITEM IS INCLUDED ON EM 0288)	Yes	Yes
	TM 9-3990-260-14&P	OPERATORS, UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR CONTAINER ROLL-IN/ OUT PLATFORM (CROP) MODEL M3 (NSN 399-01-442-2751);CONTAINER	Yes	Yes

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. Make every effort to ensure no hazardous fluid spillage occurs by providing drip pans when vehicle is parked. Ensure operation of vehicle is approved driving areas free of environmental restriction for such use.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. 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 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. Instructors (unit Master Driver) must ensure that operators (candidates) 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. This task REQUIRES the use of a ground guide (spotter) on the ground providing hand and arm visual signals to ensure safe conduct of procedures.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-1500	Operate the PLS/HEMTT-LHS Truck	551 - Transportation (Individual)	Reviewed

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None