

Report Date: 25 Mar 2014

Summary Report for Individual Task
551-88H-2608
Prepare RT240 Rough Terrain Container Handler for Air Movement
Status: Approved

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: Assigned as a container handler in an operational environment, during day or night, in normal weather conditions, given a completed risk assessment, an operation order/plan, safety briefing, a RT240 Rough Terrain Container Handler (RTCH) with attached forklift kit, aircraft, and TM 10-3930-675-10. This task should not be trained in MOPP 4.

Standard: Prepare RT240 Rough Terrain Container Handler (RTCH) for air movement without injury to personnel or damage to equipment.

Special Condition: None

Safety Level: Medium

MOPP: Never

Task Statements

Cue: You are assigned as a Container Handler tasked with preparing the RT240 Rough Terrain Container Handler for Air Movement.

DANGER

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

WARNING

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

CAUTION

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

Remarks: None

Notes: None

Performance Steps

1. Prepare RTCH-RT 240 for air movement.

- a. Place the cab in transport position (to the left and fully lowered).
- b. Lower the boom support.

Note: The RTCH may be deployed with forklift kit attached only when moving between remote areas, NOT on highways or streets. Forklift kit may also only be deployed with tophandler oriented in normal operational position, NOT longitudinal position. With forklift kit attached, overall lowered height of vehicle is increased by 3 feet (0.9 meters). This makes the lowered height (with clearance under forklift kit) approximately 193 inches (490 centimeters). This height is acceptable for movement between remote areas, but not for highway and/or street movement, due to overhead wires and structures.

- c. Drain fuel tank to a 1/4 tank or less.

2. Load RTCH-RT 240 on an aircraft.

WARNING

Always use a ground guide and do not exceed 1 MPH (1.6 kph) when driving RTCH up ramps in preparation for air transport. Failure to use a ground guide may result in an accident, causing death or injury to personnel or damage to equipment.

NOTE: Ensure RTCH is properly aligned with aircraft. Once dolly wheels are installed on tophandler, RTCH is difficult to steer.

- a. Start RTCH-RT 240, select 2-wheel steering and ensure twistlocks are lined up.
- b. Position RTCH-RT 240 in line with and facing aircraft loading ramp, as close as possible to aircraft.
- c. Make sure cab is moved to transport position.

CAUTION

To ensure tophandler does not contact underside of boom, exercise tilt function and lock tophandler in tilted position while rotating tophandler. Failure to do so may damage tophandler and/or boom.

- d. Raise boom to 19 degrees and extend boom to 110 inches (279 centimeters).
- e. Rotate tophandler 90 degrees clockwise to longitudinal position and ensure tophandler is aligned with RTCH.
- f. Fold boom support.

WARNING

Ensure that tabs on ramp are engaged into ramp seat holes in dolly wheels storage compartment. Failure to secure ramp properly may cause ramp to fall under weight of dolly wheel, causing injury to personnel.

- g. Lower tophandler until approximately 18 inches (46 centimeters) off the ground.

h. Open dolly wheels storage compartment and remove ramp from stowage and then position against storage compartment. When installed, front and rear dolly wheels are turned toward each other (see Figure 3-164).

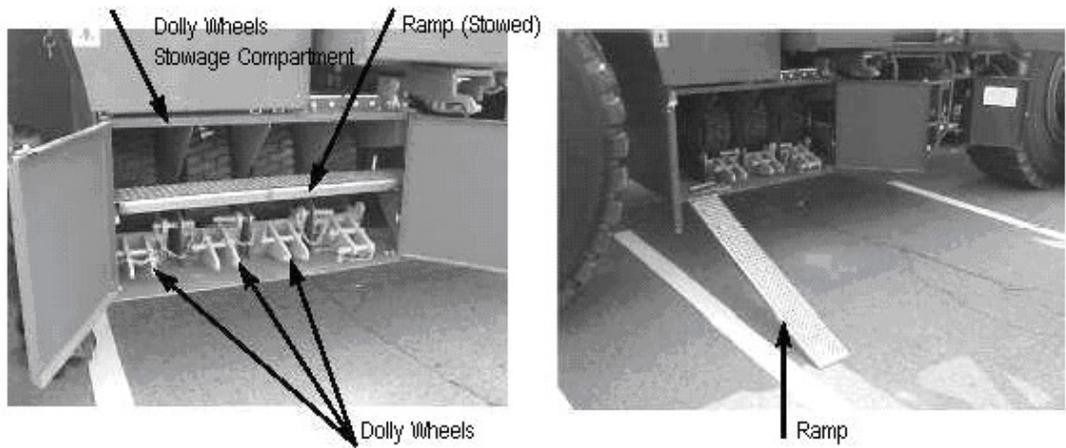


Figure 3-164
Dolly Wheel Storage Compartment

i. Remove dolly wheels from storage compartment, using ramp.

j. Install each dolly wheel to tophandler (see Figure 3-165).

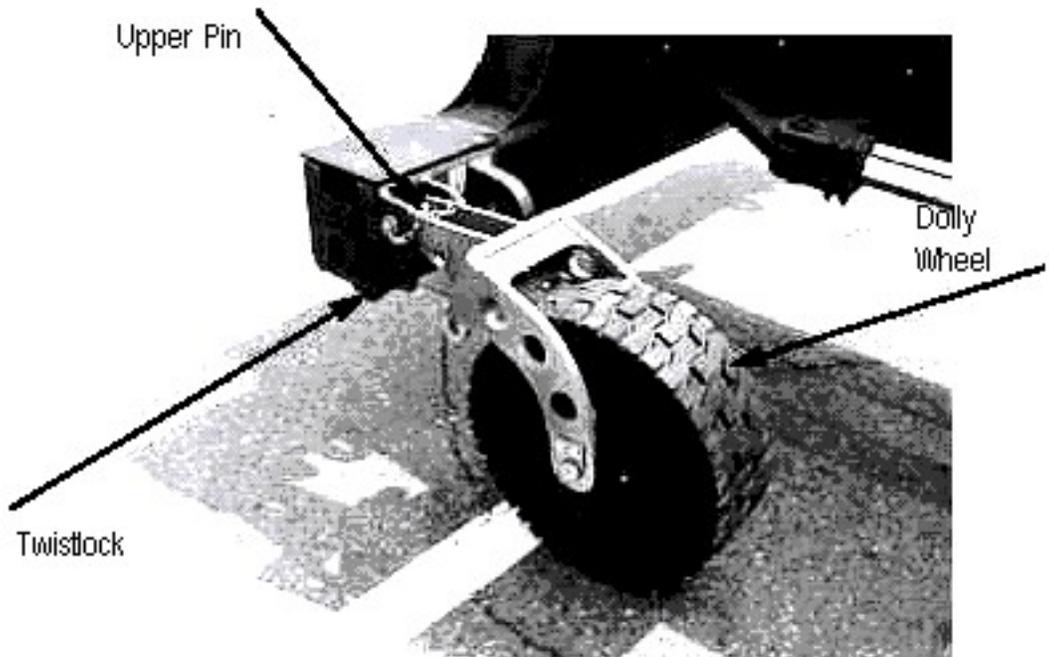


Figure 3-165
Installing Dolly Wheel to Tophandler

(1) Place dolly wheel so that tire will be under the twistlock when wheel is lifted.

(2) Install upper pin from outside of tophandler. Lock pin in position with retaining pin (see Figure 3-166).

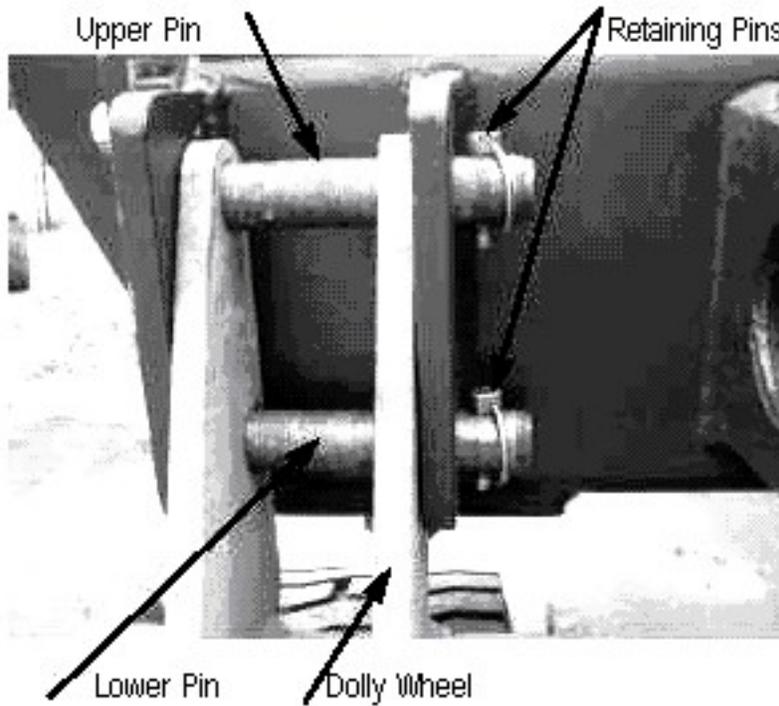


Figure 3-166
Installing Upper Pin From Outside of Tophandler

- (3) Remove lower pin from dolly wheel and set aside.
- k. Stow ramp in dolly wheels storage compartment and secure ramp with straps.
- l. Raise tophandler so that dolly wheels are off the ground approximately 2 feet (61 centimeters).
- m. Install lower pin in lower hole of each dolly wheel and lock pin in position with retaining pin.
- n. Lower tophandler until all four dolly wheels are resting on ground.
- o. At side of locking valve at base of each lift cylinder, loosen float valve jam nut and turn float valve screw five turns counterclockwise and retighten jam nut to prevent loss (see Figure 3-167).

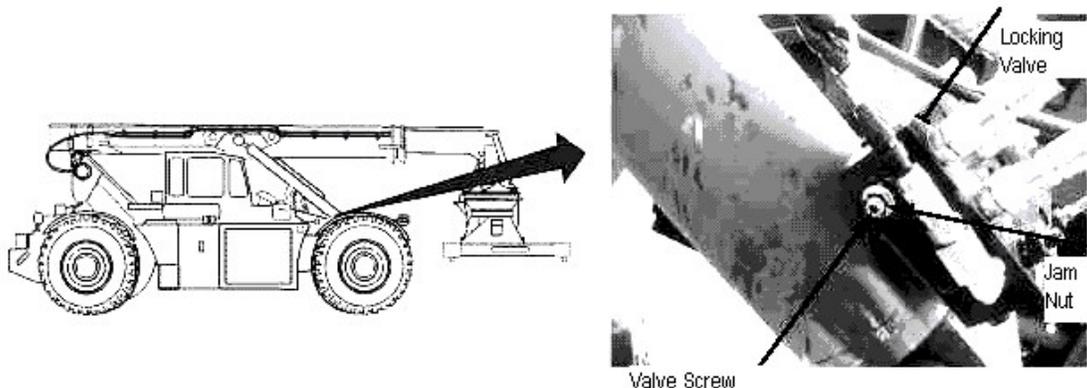


Figure 3-167
Turning Float Value Screw

p. At front of vehicle, open both shutoff valves #6 slowly and at the same time the tophandler should now be resting on dolly wheels in floating position (see Figure 3-168).

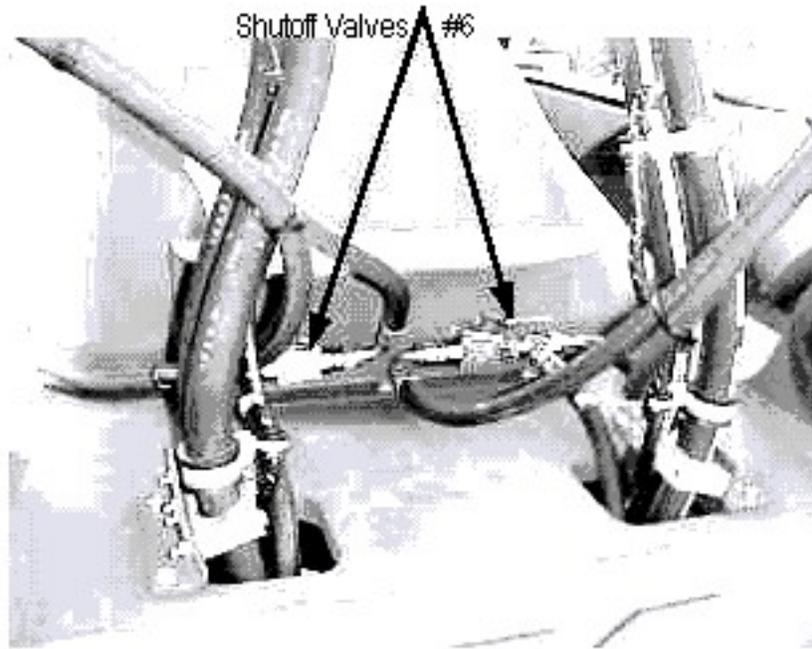


Figure 3-168
Opening Both Shutoff Value #6

q. Open remote hydraulic control compartment (see Figure 3-169).

Note: Raise bogie wheels only enough to allow bogie wheels retaining collar to be unlocked.



Figure 3-169
Opening Remote Hydraulic Control Compartment

r. Slowly pull bogie wheels lever to raise bogie wheels.

s. Turn bogie wheels retaining collar 1/4 turn clockwise to unlock bogie wheels, and if retaining collar is still tight, use handle stowed forward of bogie wheels to rotate shaft (see Figure 3-170).

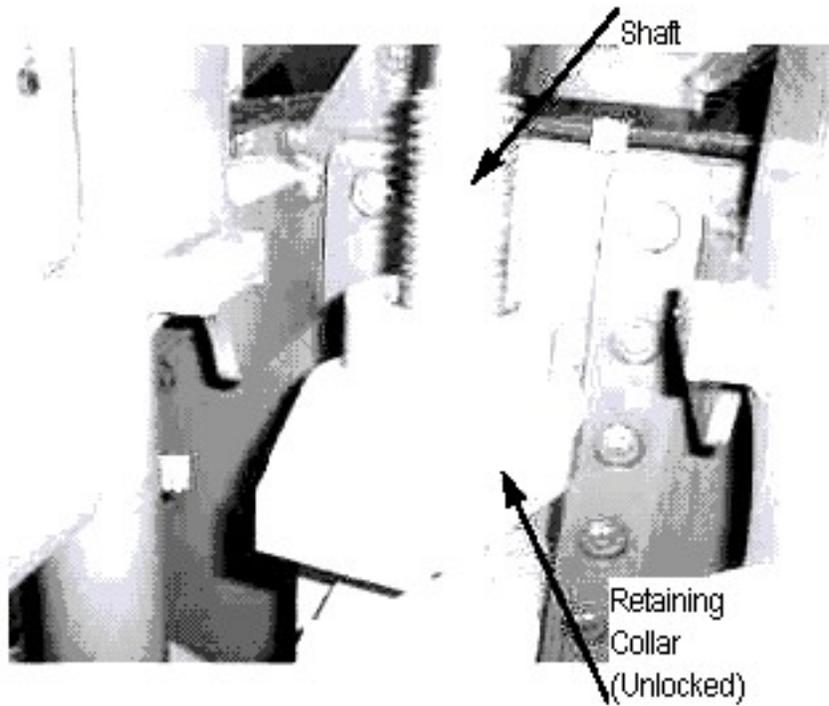


Figure 3-170
Turning Bogie Wheels Retaining Collar

t. Push bogie wheels lever to lower bogie wheels and ensure wheels are lowered sufficiently to apply ground pressure.

CAUTION

Over steering will damage dolly and bogie wheels.

u. Open shutoff valve #5 inside remote hydraulic control compartment by turning handle 90 degrees counterclockwise and bogie wheels will lower further and apply correct amount of ground pressure (see Figure 3-171).



Figure 3-171
Opening Shutoff Valve #5

v. Using first gear and two-wheel steering mode slowly drive RTCH forward up ramps and position inside aircraft. DO NOT exceed 1 MPH (1.6 kph) speed. Only slight steering corrections are allowed during loading.

w. Lower boom support to the maximum onto the frame.

x. Rotate bogie wheels retaining collar 1/4 turn clockwise to lock bogie wheels in position, and it may be necessary to screw shaft down to take up slack in bogie wheels lock (see Figure 3-172).

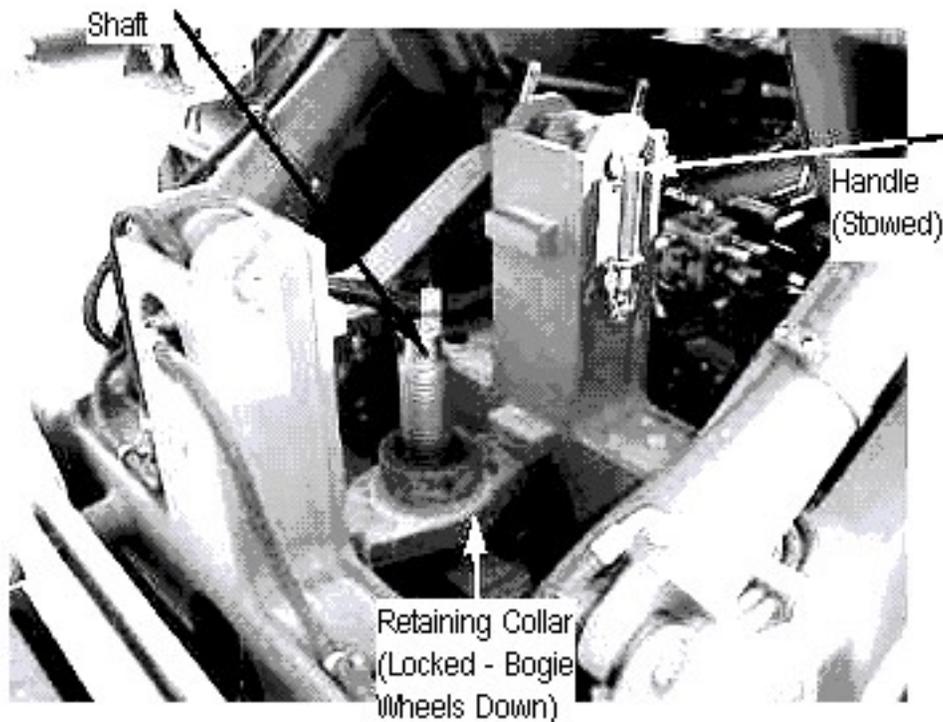


Figure 3-172
Rotating Bogie Wheels Retaining Collar

y. Shut down RTCH engine.

(1) Tie boom to RTCH frame.

(2) Secure RTCH to tie-down locations inside aircraft in accordance with tie-down instructions on RTCH data plate and on aircraft

3. Unload RTCH-RT 240 forklift from aircraft.

a. Remove all tie downs.

b. Open shutoff valve #5 inside remote hydraulic control compartment by turning handle 90 degrees counterclockwise.

c. Rotate bogie wheels retaining collar 1/4 turn clockwise to unlock bogie wheels.

d. Raise boom support to 30 degree mark on frame.

e. Using two-wheel steering mode, slowly back RTCH down Ramps. DO NOT exceed 1 MPH (1.6 kph) speed. Only slight steering corrections are allowed during unloading.

f. Inside the remote hydraulic control compartment, close shutoff valve #5.

g. Inside the remote hydraulic control compartment, pull bogie wheels lever to fully raise bogie wheels.

h. Turn bogie wheels retaining collar 1/4 turn clockwise to lock bogie wheels in stowed position.

i. At front of vehicle, close both shutoff valves #6.

j. At side of locking valve at base of each lift cylinder, loosen float valve jam nut and turn float valve clockwise until tight and retighten jam nut.

k. Remove dolly wheels from tophandler:

(1) Remove two retaining pins and lower and upper pin from each dolly wheel and remove dolly wheel from tophandler.

WARNING

Ensure that tabs on ramp are engaged into ramp seat holes in dolly wheels storage compartment. Failure to secure ramp properly may cause ramp to fall under weight of dolly wheel, causing injury to personnel.

(2) Reinstall lower and upper pin in dolly wheel and secure with retaining pins.

l. Using ramp, stow dolly wheels in dolly wheels storage compartment. Stow ramp inside storage compartment and secure with straps.

m. Raise boom to approximately 13 feet (4 meters) height.

n. Raise boom support.

CAUTION

To ensure tophandler does not contact underside of boom, exercise tilt function and lock tophandler in tilted position while rotating tophandler. Failure to do so may damage tophandler and/or boom.

o. Retract and lower boom.

p. Rotate tophandler 90 degrees counter clockwise to operational position.

q. Return cab to operational position.

r. Shut down RTCH engine.

s. Fill fuel tank.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance steps are passed (P). Score the Soldier NO-GO if any performance step is failed (F). If the Soldier fails any step, 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 preparing RT240 Rough Terrain Container Handler for air movement.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Prepared RTCH-RT 240 forklift for air movement.			
2. Loaded RTCH-RT 240 forklift onto aircraft.			
3. Unloaded RTCH-RT 240 forklift from the aircraft.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 10-3930-675-10	OPERATOR'S MANUAL FOR ROUGH TERRAIN CONTAINER HANDLER (RTCH):RT 240; 53,000 LB CAPACITY; 4 X 4NSN 3930-01-473-3998NSN 3930-01-522-7364	No	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.

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 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 Soldiers and leaders must maintain a proactive posture towards safety in day-to-day operations. The need for total commitment to safety should be evident to commanders, senior Soldiers, and their subordinates. Safety awareness is most effective at three levels: command, leader, and individual. Observe all Warnings and Cautions and remain aware of the following:

- Hearing protection requirements.
- Wearing of safety clothing.

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.

- Take personal responsibility.
- Practice safe operations.
- Recognize unsafe acts and conditions.
- Take action to prevent accidents.
- Report unsafe acts and conditions.
- Work as a team.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-1401	Perform Preventive Maintenance Checks and Services on Material Handling Equipment	551 - Transportation (Individual)	Analysis Completed
551-88H-1541	Created from Template from 551-88H-1541	551 - Transportation (Individual)	Analysis
551-88H-1539	Created from Template from 551-88H-1539	551 - Transportation (Individual)	Analysis
551-88H-1540	Created from Template from 551-88H-1540	551 - Transportation (Individual)	Analysis

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-3510	Supervise Material Handling Equipment (MHE) Operations	551 - Transportation (Individual)	Reviewed

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-1-0001	Manage Container Operations	55 - Transportation (Collective)	Approved
55-2-1408	Conduct Cargo Transfer Operations.	55 - Transportation (Collective)	Approved
55-2-1409	Conduct Container Operations at a Hub.	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88H - CARGO SPECIALIST SL2	Enlisted	MOS: 88H, Skill Level: SL2, Duty Pos: ABW