

Report Date: 13 Mar 2014

**Summary Report for Individual Task
551-88H-2512
Direct Construction of a 463L Pallet
Status: Approved**

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

DESTRUCTION NOTICE: None

Condition: Assigned as a load team chief in an operational environment scenario, during day or night, in normal weather conditions, given a completed risk assessment, an Operation Order/Operation Plan (OPORDER/OPLAN), safety equipment, 463L pallet, dunnage, top and side nets, cargo, FM 3-35, and TC 4-13.17. This task should not be trained in MOPP 4.

Standard: Direct the building of a 463L pallet in accordance with FM 3-35 and TC 4-13.17 without injury to personnel or damage to equipment.

Special Condition: None

Safety Level: Medium

MOPP: Never

Task Statements

Cue: You are assigned as a Load Team Chief tasked with directing the construction of a 463L Pallet.

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: Never push or slide a pallet across concrete floors or ramp surfaces. This will damage the bottom skin of the pallet.

NOTE: If one of the nets is rejected for damage, send the complete set in for maintenance and repair.

NOTE: A set of large 463L pallet nets has a maximum capacity of 10,000 pounds at 8 Gs when properly installed.

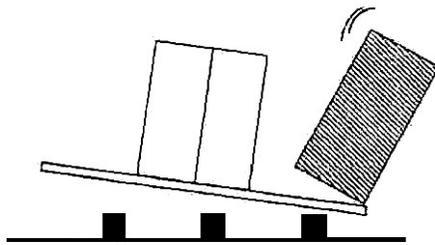
NOTE: The side net hooks are connected inward to the 463L pallet. The top net is connected to the rings on the side net with hook facing out.

Performance Steps

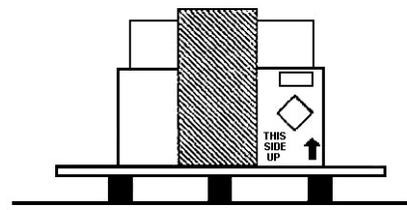
1. Direct the procedures required to inspect 463L pallets for serviceability prior to constructing pallet.
 - a. Direct personnel to position three-point dunnage.
 - b. Direct personnel to position a 463L pallet on the dunnage.
 - c. Direct personnel to check the pallet for cleanliness.
 - d. Direct personnel to clean the pallet if required.
 - e. Direct personnel to check the aluminum rails on all sides of the pallet for separation.
 - f. Direct personnel to check the pallet surface for bowing.
 - g. Direct personnel to check the pallet for missing or bent tie-down rings.
 - h. Direct personnel to examine the indents (notches) on the aluminum side rails for distortion. Distorted notches will hamper the effective locking of the pallet into the pallet position.
 - i. Direct personnel to repeat steps 1 through 8 until all pallets have been inspected.
 - j. Direct personnel to report all unserviceable pallets to pallet and net control and request replacement pallets.
2. Direct the procedures required to construct a 463L pallet (see Figure 3-126).

Note: Never push or slide a pallet across concrete floors or ramp surfaces. This will damage the bottom skin of the pallet.

 - a. Direct personnel to load all dense, boxed, or crated cargo on the pallet first.
 - b. Direct personnel to place crushable and light density cargo on top of boxed and crated cargo.
 - c. Direct personnel to place containers marked "THIS END UP" in the upright position.
 - d. Direct personnel to place cargo with special labels on the pallet so that the labels are facing out whenever possible.
 - e. Direct personnel to place heavy items in the middle and lighter items near the end of the pallet.
 - f. Direct personnel to construct the load to form a cube or pyramid shape (as much as possible).

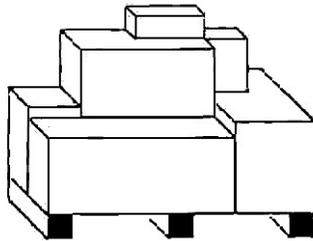


Heavy Ended Pallet

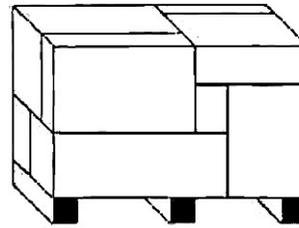


**Hazardous Material
Documentation**

463L Pallet Cargo Placement



Pyramid



Square

Figure 3-126
Constructing a 463L Pallet

3. Direct the procedures required to secure cargo to the pallet

a. Direct personnel to lay out a complete set of nets.

b. Ensure personnel inspect each complete set of nets for breaks in the webbing or straps; tears where the webbing is sewn; or missing rings, hooks, and attachments.

Note: If one of the nets is rejected for damage, send the complete set in for maintenance and repair.

c. Ensure nets are clean and dry before they are stored.

d. Direct personnel to lay out the two side nets (see Figure 3-127) and the top net (see Figure 3-128) as a set then fold the nets and secure the three nets together.

e. Direct personnel to attach the top net to the side nets by hooks and rings. The two side nets are attached to the rings on the pallets and go around the side of the load and a top net goes over the top of the cargo (see Figure 3-129).

f. Ensure two sets of side nets are used when more than 5,500 pounds of cargo is loaded on the pallet.

Note: A set of large 463L pallet nets has a maximum capacity of 10,000 pounds at 8 Gs when properly installed.

g. Direct personnel to cover the pallet of cargo with plastic pallet cover before netting the cargo to the pallet.

h. Ensure nets are laid on floor, untangled and inspected for missing attachments.

i. Direct personnel to begin with the left ring-side of the 463L pallet and work from left to right. Attach hook #1 on the side of the net to ring #1 on the pallet.

Note: The side net hooks are connected inward to the 463L pallet. The top net is connected to the rings on the side net with hook facing out.

j. Direct personnel to attach both side nets and attach straps, then lift straps over the corner of the cargo.

k. Ensure the top net is placed over the pallet after the side nets are attached and adjusted.

l. Ensure the ends of the straps are tucked in to ensure they will not become caught in the rail system when loading the pallet aboard the aircraft or in storage.

4. Inspect loaded pallet to ensure compliance with guidelines.

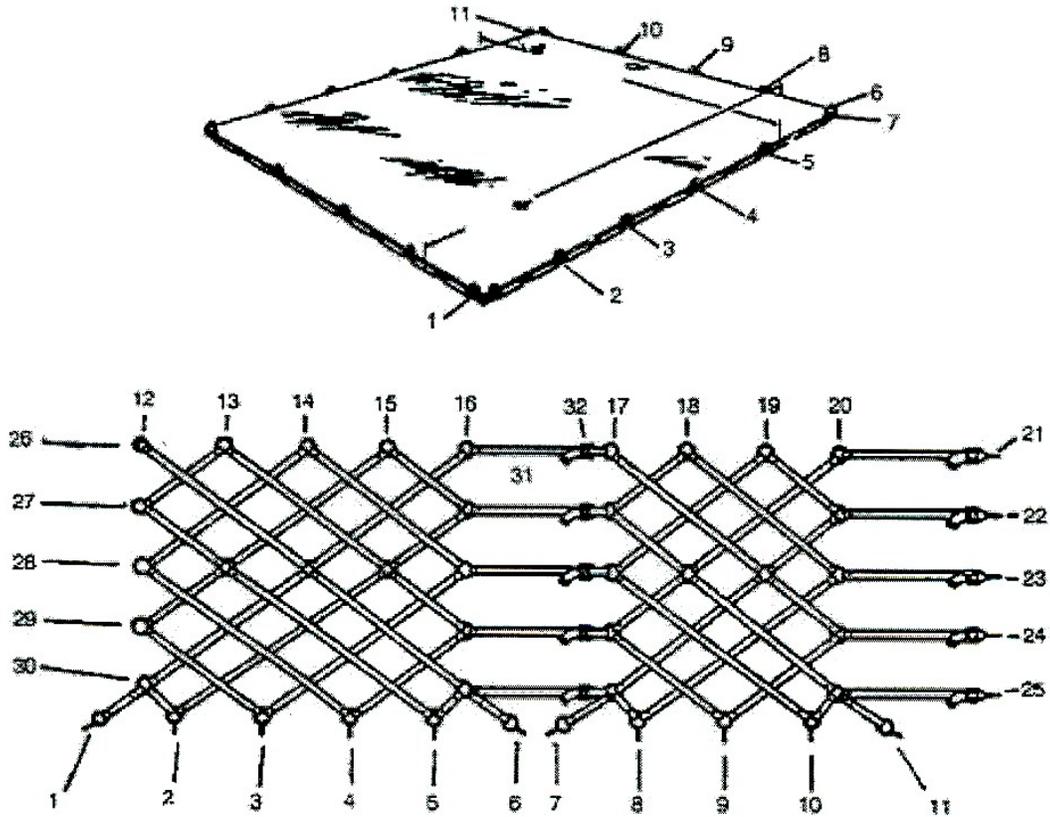


Figure 3-127
Laying Out the Two Side Nets

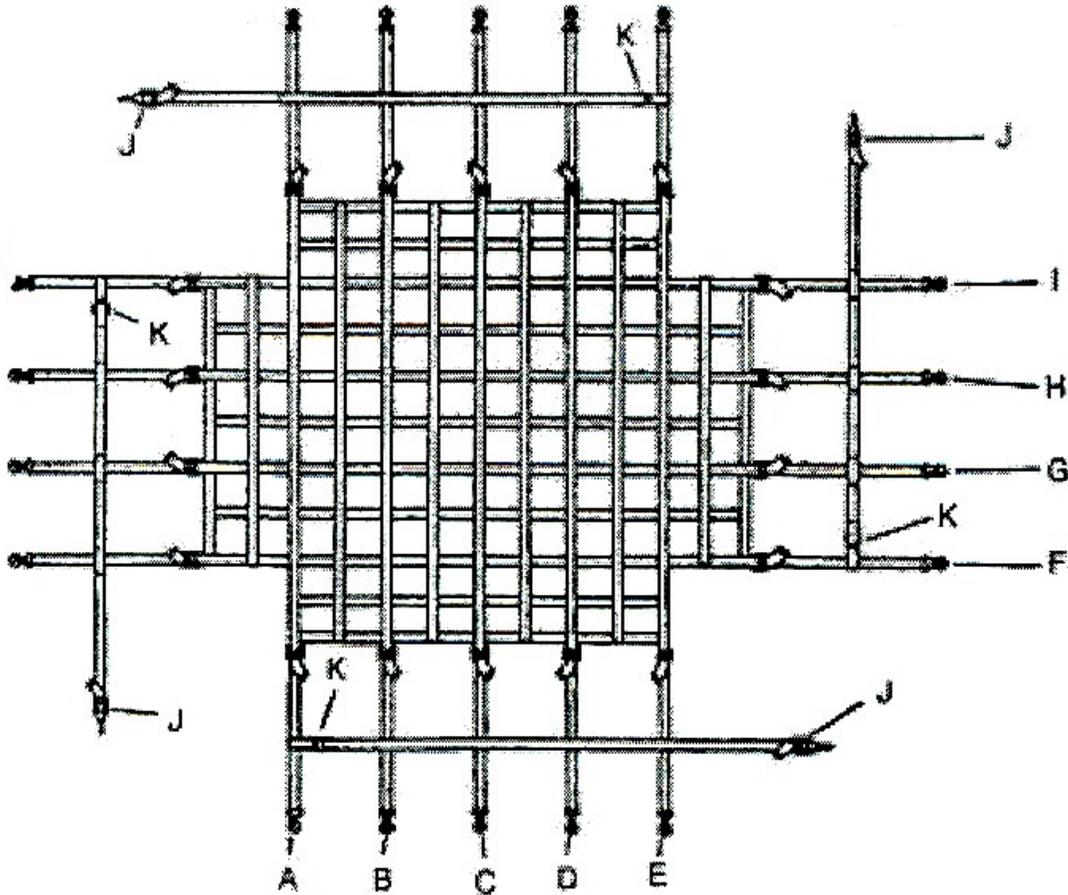


Figure 3-128
Laying Out the Top Net

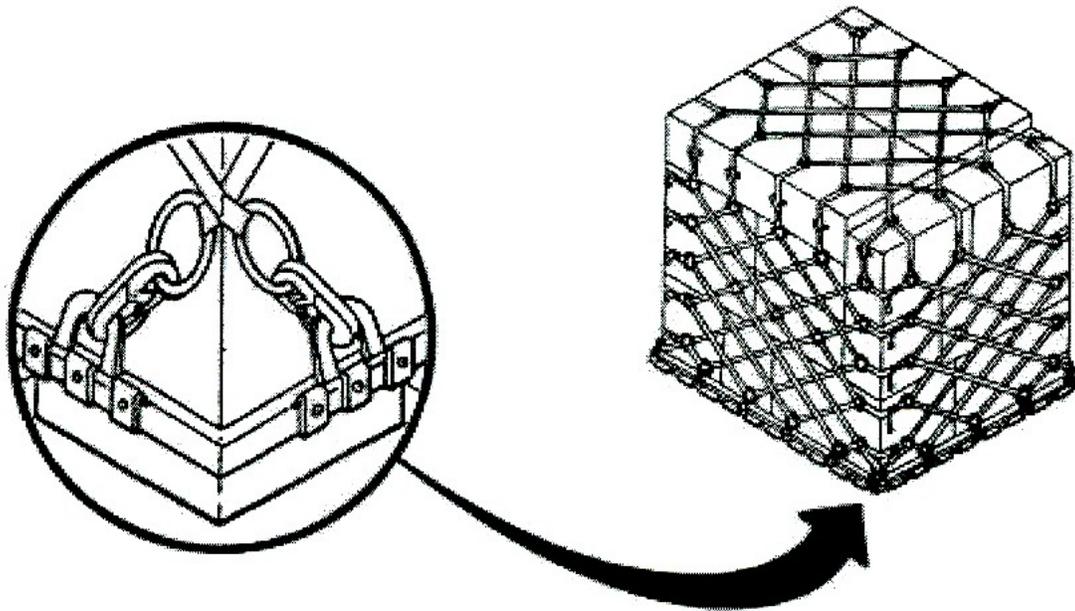


Figure 3-129
Attaching the Top Net to the Side Net by Hooks and Rings

(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 directing construction of a 463L pallet.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Directed the procedures required to inspect 463L pallets for serviceability prior to constructing pallet.			
2. Directed the procedures required to construct a 463L pallet.			
3. Directed the procedures required to secure cargo to the pallet.			
4. Inspected loaded pallet to ensure compliance with guidelines.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 3-35	Army Deployment and Redeployment	Yes	No
	TC 4-13.17	Cargo Specialist's Handbook	Yes	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. 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 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 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 ARR 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 :

Task Number	Title	Proponent	Status
551-88H-1515	Construct a 463L Pallet	551 - Transportation (Individual)	Analysis Completed

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-4502	Monitor Air Terminal Operations	551 - Transportation (Individual)	Analysis
551-88H-3512	Manage Aircraft Load Teams	551 - Transportation (Individual)	Analysis Completed

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0106	Perform Arrival or Departure Airfield Control Group Functions	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