

Summary Report for Individual Task  
551-88H-1515  
Construct a 463L Pallet  
Status: Approved

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**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 Transportation School, Fort Lee, VA 23801 foreign disclosure authority.

This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** Assigned as a Cargo Checker/Handler given a requirement to construct a 463L pallet in an operational environment, during day or night, in normal weather conditions, a completed risk assessment, safety briefing, safety clothing, 463L pallets, dunnage , top and side nets, a forklift operator, cargo at an air terminal or designated field area, DTR 4500.9-R, Part II and TC 4-13.17. This task should not be trained in MOPP 4.

**Standard:** Construct a 463L pallet without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Risk:** Medium

**MOPP 4:** Never

|                        |
|------------------------|
| <b>Task Statements</b> |
|------------------------|

**Cue:** You assigned as a Cargo Checker/Handler tasked to construct 463L palletsto ready cargo for air movement.

|               |
|---------------|
| <b>DANGER</b> |
| None          |

|                |
|----------------|
| <b>WARNING</b> |
| None           |

|                |
|----------------|
| <b>CAUTION</b> |
| None           |

**Remarks:** None

**Notes:** None

## Performance Steps

1. Inspect 463L pallets before loading cargo on the pallet.
  - a. Coordinate with NCO/Team Leader before building or loading 463L pallets.
  - b. Inspect to ensure each 463L pallet is cleaned.
  - c. Conduct a serviceability check on each 463L pallet (top and bottom).
  - d. Inspect top and two (2) side nets for serviceability. 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: Do not use any unserviceable pallets or nets.
2. Load cargo on a 463L pallet.
  - a. Lay out three-point dunnage to prevent damage and warping according to one of the following dunnage methods:
    - (1) Arrange wooden 4 "X 4" X 84" boards to form three rows of support.
    - (2) Arrange a minimum of nine sandbags to provide two outer and one centerline of support.
  - b. Palletize cargo from the heaviest to the lightest items by following these guidelines (see Figure 3-20):

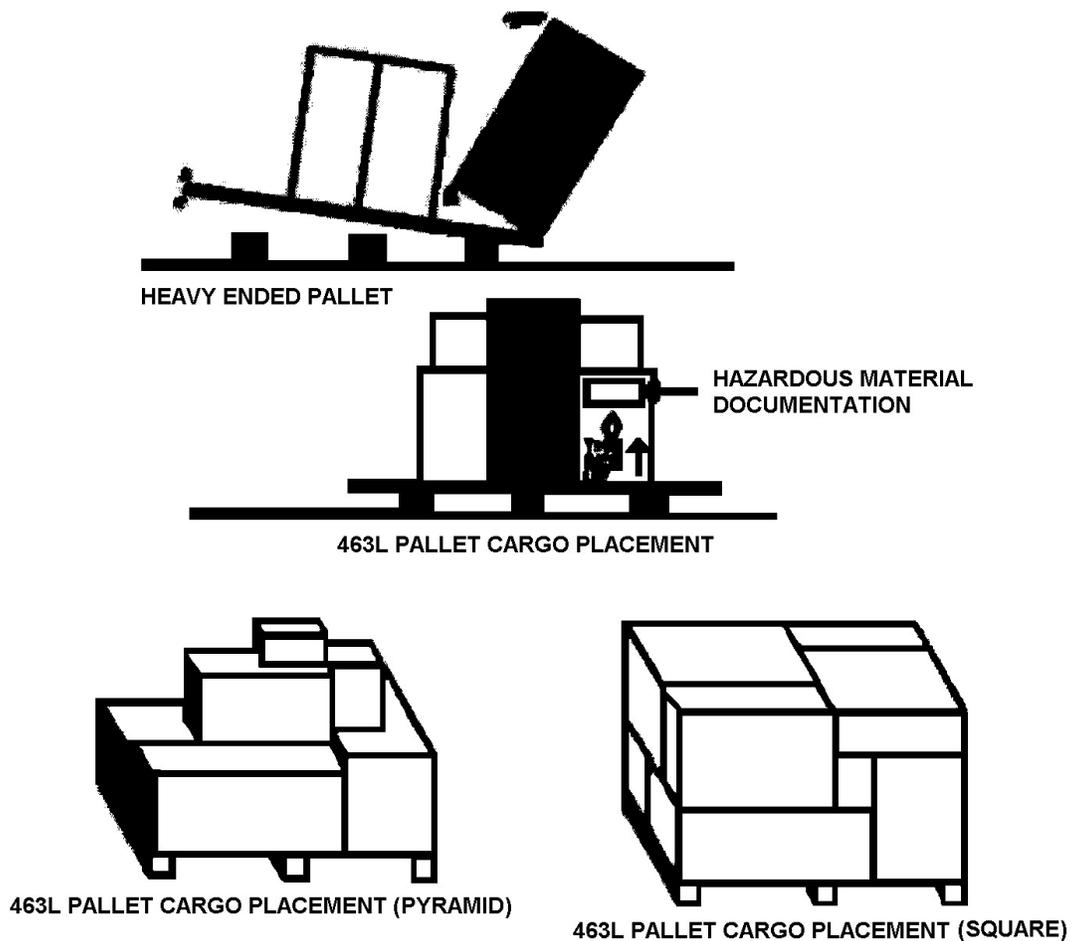


Figure 3-20

## Palletizing Cargo

- (1) Place all dense, boxed, or crated cargo on the pallet first.
- (2) Distribute large/heavy items evenly out from the center.
- (3) Build load in a square or pyramid shape for stability.
- (4) Place containers marked "This Side Up" in upright position.
- (5) Place labeled cargo with their labels facing out.
- (6) Place crushable/light density cargo on top of boxed and crated cargo.

Note: Use a pallet template or measuring stick to ensure the height restrictions are not exceeded (maximum height is 96").

Note: Never push or slide a pallet across concrete floors or ramp surfaces. Always lift before moving to avoid damage to pallet.

### 3. Secure cargo to the pallet.

a. Cover the pallet of cargo with plastic pallet cover before netting the cargo to the pallet.

b. Lay out a complete set of nets.

c. 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.

d. Use two sets of side nets 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.

e. 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 (see Figure 3-21).

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.

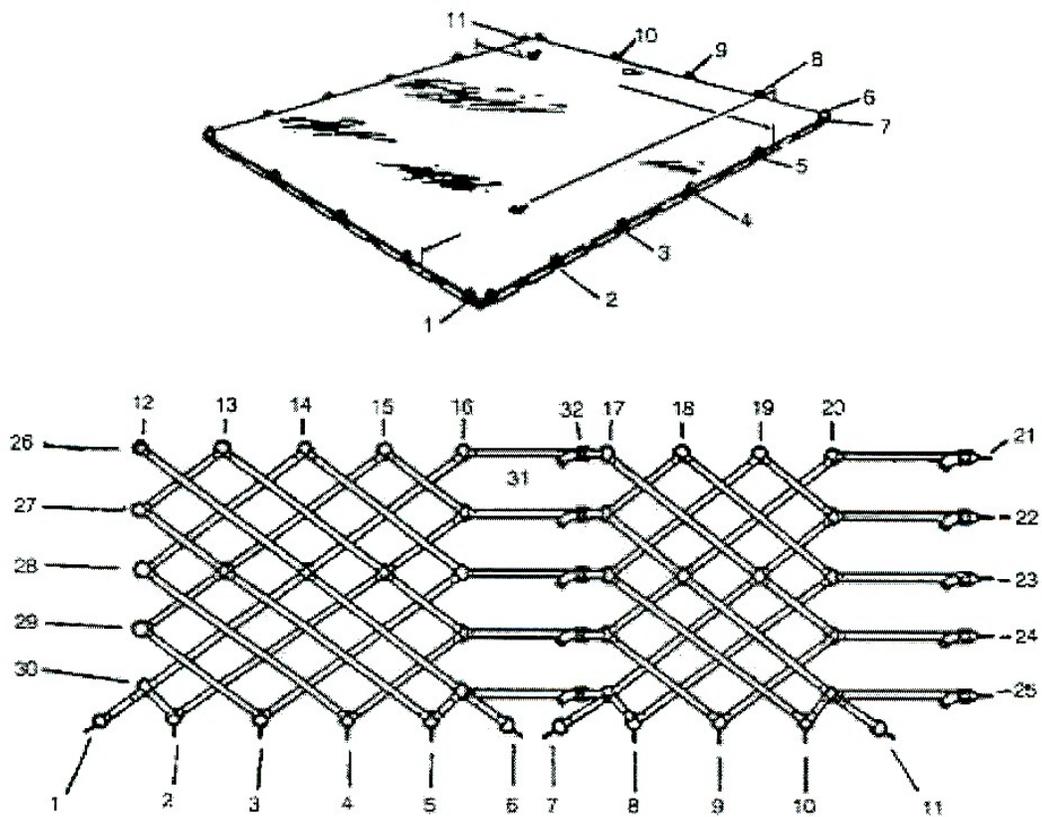


Figure 3-21  
Attaching Hook #1 to Ring #1 on the Pallet

- f. Attach both side nets and attach straps, then lift straps over the corner of the cargo.
- g. After the side nets are attached and adjusted, place the top net over the pallet.
- h. Secure the ends of the straps, tuck them in to ensure they will not become caught in the rail system when loading the pallet aboard the aircraft or in storage (see Figure 3-22).

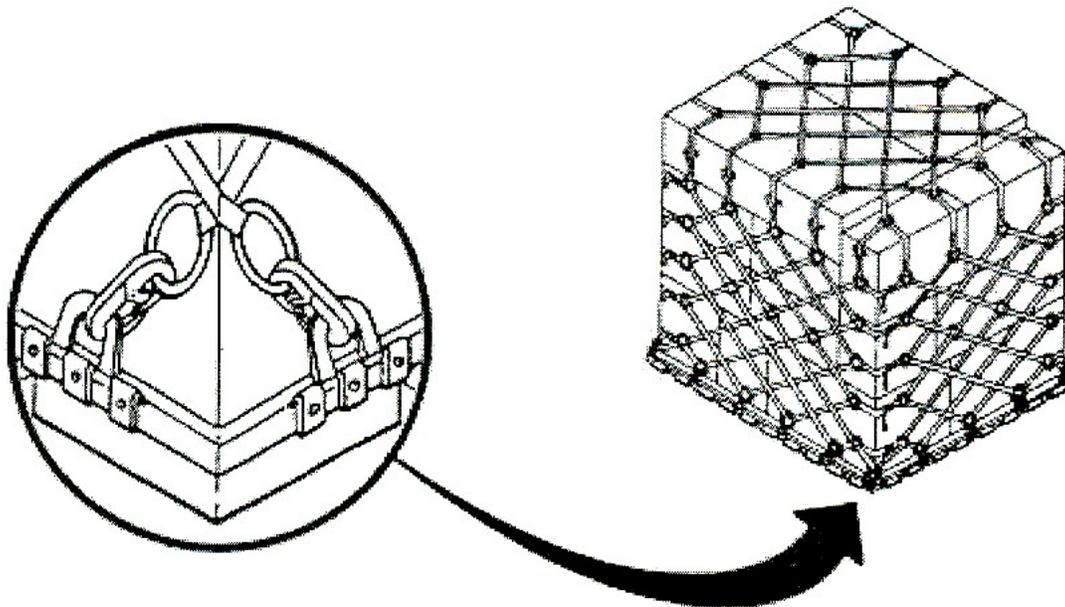


Figure 3-22  
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## Securing the Ends of the Straps

(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 constructing a 463L pallet.

| PERFORMANCE MEASURES  | GO | NO-GO | N/A |
|---|----|-------|-----|
| 1. Inspected 463L pallets before loading cargo on the pallet. |    |       |     |
| 2. Loaded cargo on a 463L pallet.                             |    |       |     |
| 3. Secured cargo to the pallet.                               |    |       |     |

### Supporting Reference(s):

| Step Number | Reference ID            | Reference Name   | Required | Primary |
|-------------|-------------------------|--|----------|---------|
|             | DTR 4500.9-R<br>PART II | Defense Transportation Regulation,<br>Part II (Cargo Movement) | 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.

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 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.

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. The importance of safety is intensified for personnel conducting 463L pallet loading operations. 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.
- High velocity rotor wash/flying debris.
- Danger of suspended loads.

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.
- (f) Work as a team.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :**

| Task Number  | Title                                | Proponent                         | Status     |
|--------------|--------------------------------------|-----------------------------------|------------|
| 551-88H-1514 | Load Married 463L Pallets            | 551 - Transportation (Individual) | Approved   |
| 551-88H-4502 | Monitor Air Terminal Operations      | 551 - Transportation (Individual) | Approved   |
| 551-88H-2512 | Direct Construction of a 463L Pallet | 551 - Transportation (Individual) | Approved   |
| 551-88H-3512 | Manage Aircraft Load Teams           | 551 - Transportation (Individual) | Superseded |

**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 SL4 | Enlisted       | MOS: 88H, Skill Level: SL4, Duty Pos: TGI |
| MOS 88H - CARGO SPECIALIST SL1 | Enlisted       | MOS: 88H, Skill Level: SL1, Duty Pos: TAZ |
| MOS 88H - CARGO SPECIALIST SL2 | Enlisted       | MOS: 88H, Skill Level: SL2, Duty Pos: ABW |
| MOS 88H - CARGO SPECIALIST SL3 | Enlisted       | MOS: 88H, Skill Level: SL3, Duty Pos: TBA |