

CHAPTER 608

SYSTEM 463L PALLETS AND NETS

A. RESPONSIBILITIES

1. The DOD will ensure proper management of all DOD intermodal platforms, including System 463L pallets, nets, and associated equipment.
2. CCDRs will:
 - a. Ensure System 463L pallet management is carried out in the AOR
 - b. Provide for control, expeditious download, and return of System 463L pallets, nets, and tie-down equipment entering the theater
 - c. Manage air pallet and net inventories, ensure System 463L equipment is returned to the DTS within 3 days of equipment being delivered to the final destination, and report damaged and lost equipment IAW this regulation
 - d. Ensure excess System 463L assets are cleaned and shipped IAW with technical orders (TOs) and directives.
3. USTRANSCOM will:
 - a. Manage System 463L pallet and net procedures in this regulation
 - b. Work with the Supported CCDR to establish procedures for the management and recovery of System 463L pallets and nets in the theater.
4. Officials at HQ United States Air Force, Deputy Chief of Staff Logistics, Installations and Mission Support will review and approve policy, programming, and budget packages pertaining to System 463L pallets and nets.
5. The System 463L pallet and net Program Manager (PM) is located at Robins Air Force Base (LCM/WNZDA, Robins AFB, GA 31098-1611). The PM will:
 - a. Approve or disapprove requests for permanent modifications to System 463L pallets for specialized transportation purposes
 - b. Coordinate with contracting, procurement, acquisition, and budget representatives to surge pallet and net repair and purchasing contracts should contingencies warrant such actions
 - c. Oversee the preparation and revision of all commercial contracts pertaining to the design, acquisition, and depot-level repair of System 463L pallets and nets
 - d. Review Service-unique supplements to this regulation.
6. HQ Air Mobility Command (AMC/A4T) is the DOD Operational Manager and provides direction for worldwide DOD System 463L asset management.
 - a. AMC will provide operational management oversight for the Inventory Manager (IM) and Program Management Office. It will focus on operational management and control of all System 463L assets from origin to final destination, to include return or allocation of System 463L assets within a theater of operation (done in coordination with the System 463L Service/Theater Asset Manager [TAM]).
 - b. Distribute new production and depot-repaired pallets in coordination with IM, MAJCOM, and DOD Component pallet and net managers.

- c. Identify and redistribute excess assets to fill shortages in coordination with MAJCOM and DOD Component pallet and net managers.
 - d. Provide special shipping instructions for redistribution actions.
 - e. Redistribute assets during a conflict or contingency to satisfy urgent, mission essential requests for additional pallets and nets.
 - f. Develop, obtain approval for, publish, update, and distribute supplements to this regulation.
 - g. Compile and submit reports as requested using inputs from all Services, MAJCOM, and DOD Component organizations.
 - h. Compile monthly pallet and net inventory reports into a DOD worldwide operational and WRM pallet and net status report.
 - i. Request an immediate baseline inventory of pallet and net assets (compilation of the most recent reports maintained at the unit level) upon notification of an impending conflict or contingency situation. (Request initiated via Service and/or CCMD Pallet and Net Managers.)
 - j. Chair the System 463L Pallet and Net Working Group.
 - k. Review and approve War Reserve Material (WRM) pre-positioning locations and levels.
 - l. Review and approve or disapprove requests for redistribution of WRM assets.
 - m. Review and approve annual pallet and net requirements submissions to ensure that DOD component activities correctly accomplish the pallet and net validation process, and that each submission represents the minimum essential number of assets required to accomplish the mission.
7. MAJCOM and other DOD Components Pallet and Net Managers will:
- a. Control, maintain, and report operational and WRM pallet and net assets IAW the guidelines and precepts established in this regulation and TOs.
 - b. Develop, obtain approval for, publish, update, and distribute supplements to this regulation.
 - c. Using inputs from subordinate organizations, compile and submit reports.
 - d. Revalidate and revise operational and WRM pallet and net requirements.
 - e. Ensure and document, on the revalidation report, that requirements submitted are the minimum essential required to accomplish the mission, by verifying that subordinate activities are adhering to pallet and net requirements determination procedures.
 - f. Notify the DOD Operational Manager on all inter-MAJCOM or inter-DOD Component redistributions.
 - g. Redistribute assets to reduce significant overages and fill shortages.
 - h. Report overages, shortages, or urgent requirements to the DOD Operational Manager inputting the data using the Global Asset Reporting Tool (GART).
 - i. Ensure and verify all subordinate activities are reporting their System 463L assets in GART. Update pallet and net records to reflect gains or losses as a result of redistribution actions during a contingency or conflict.
 - j. Ensure GART accounts are established for all subordinate activities with System 463L pallet and net requirements.

- k. Comply with directives pertaining to the responsibility for loss, damage, and destruction of public property in management, control, and use of 463L pallets and nets. Ensure unit pallet and net managers comply with TOs 35D33-2-2-2, Instruction with Parts Breakdown – System 463L Air Cargo Pallets, HCU-6/E and 35D33-2-3-1, Maintenance and Repair Instructions – Air Cargo Pallet Nets, HCU-7/E, I, Side, HCU-15/C, II, Top, HCU-7A/E, Low Profile and take action if pallets and nets are damaged or destroyed because of negligence.
 - l. Perform spot checks to fully evaluate a subordinate activity's pallet and net requirements determination process.
 - m. Follow up on inspection or audit findings on pallet and net management and take corrective action.
 - n. Make assets available to organizations that do not possess WRM pallets and nets but require them for deployments, Special Assignment Airlift Missions (SAAM), or exercises.
 - o. Delete permanently modified pallets from the System 463L pallet inventory and discontinue reporting them in the monthly reports. Modification of pallets is prohibited without the approval of the DOD Operational Manager office.
 - p. At the onset of a conflict or contingency, be prepared to compile and submit an immediate baseline inventory of both operational and WRM assets (using data from reports maintained at unit level) if directed by the DOD Operational Manager.
 - q. During a conflict or contingency, be prepared to release System 463L assets to support increased worldwide airlift requirements.
 - r. During a conflict or contingency, use assets from MAJCOM or DOD Component WRM and operational stockpiles before requesting additional assets.
 - s. Immediately notify the DOD Operational Manager and request assistance if System 463L assets are not available for missions supporting conflict or contingency operations.
 - t. Ensure deployed organizations are aware that pallet and net assets must be returned to the airlift system immediately upon arrival at the final deployed destination and reported IAW CCMD guidance.
 - u. DOD Operational Manager Asset Taskings/(Re) Distribution Orders. The following standard will apply to all System 463L asset taskings/(re) distribution orders: Managers will reply to the tasking within 24 hours (Monday to Thursday) or 72 hours (Friday to Sunday). Assets will be shipped as soon as possible, but not later than 5 days. Shortfalls must include an itemized (inventory) justification showing valid need for retaining assets.
8. Organization/unit Pallet and Net Managers will:
- a. Control, maintain, and report pallets and nets IAW this regulation, its appendices, supplements, and referenced TOs
 - b. Conduct inspections to ensure proper use and storage of WRM pallets and nets, as required in TO 35D33-2-2-2 and TO 35D33-2-3-1
 - c. Conduct a physical inventory of operational pallets and nets as required by the MAJCOM or DOD Component pallet and net manager and submit the results in GART
 - d. Revalidate requirements annually or as mission dictates IAW this regulation
 - e. Provide a clear audit trail for pallet and net losses or gains
 - f. Control and account for WRM assets

- g. For units not possessing pallets and nets, coordinate with the MAJCOM or DOD Component pallet and net manager to obtain pallets and nets for unprojected deployments, SAAMs, and exercises
 - h. Adhere to shipping instructions prescribed in referenced TOs when preparing to ship assets
 - i. Ensure unit personnel are aware that pallet and net assets must be returned to the airlift system immediately upon arrival at the final deployed destination or reported IAW CCMD guidance
 - j. Conduct investigations of unexplained pallet and net losses and forward the results to the MAJCOM or DOD Component pallet and net monitor
 - k. Scrutinize over-the-road movement of pallets to reduce the possibility of damage and loss of control accountability of assets
 - l. Monitor installation-level field repair of pallets and nets IAW TO 35D33-2-2-2, System 463L Air Cargo Pallets, HCU-6/E
 - m. Advise personnel of the potential for disciplinary action if pallets and nets are damaged or destroyed because of negligence
 - n. In the event of a conflict or contingency, be prepared to ship, on short notice, large quantities of serviceable pallets and nets to other organizations at the direction of the MAJCOM or DOD Operational pallet and net monitor.
9. For retrograde of System 463L pallets and nets:
- a. CCMD System 463L TAM will ensure proper retrograde plans are in place to support the return of System 463L pallets and nets. System 463L assets supporting sustainment operations will be returned to the nearest air hub within 3 days of delivery at the forward operating base.
 - b. The TAM will ensure the task of recovery of retrograde System 463L assets is included in operations/fragmentary orders as part of the routine base/camp procedures.

B. OWNERSHIP AND FUNDING

Although pallets and nets may be authorized to, and in the custody of any Service, DOD, or Federal Agency, they are Air Force property, funded and procured by AFMC.

C. PALLET AND NET TECHNICAL ORDERS

1. The following TOs detail the maintenance, use and repair of System 463L air cargo pallets and nets.
 - a. TO 35D33-2-2-2, System 463L Air Cargo Pallets, HCU-6/E
 - b. TO 35D33-2-3-1, Air Cargo Pallet Net, HCU-7/E, I, Side, HCU-15/C, II, Top, HCU-7A/E, Low Profile
 - c. TO 36M-1-141, Operator and Operation Instruction -- Materials Handling Equipment System Components of System 463L.

D. MODIFICATION OF SYSTEM 463L PALLETS AND NETS

The PM may approve requests for modifications to pallets for specialized transportation purposes. The DOD Components must remove these permanently modified pallets from their inventory and discontinue accounting for them.

E. ASSOCIATED EQUIPMENT

1. [Table 608-1](#) itemizes this equipment by nomenclature and national stock number. Secure cargo to the aircraft floor using tie-down equipment organic to the aircraft or provided by the local air terminal. However, to secure cargo to pallets, units must procure and control their own pallet couplers, plastic coverings, tie-down equipment (less nets), and dunnage and/or shoring. It is not the responsibility of the local air terminal to provide this tie-down equipment to deploying units. Only 463L pallets and nets will be provided by AMC. Required couplers, chains and devices will be provided by AMC only for subfloor requirements (only applies to those aircraft requiring subfloor when scheduled by 618 AOC). Couplers, chains and devices for other requirements are the unit's responsibility. Upon mission completion, supported units will coordinate directly with HQ AMC/A4TR to return System 463L pallets, nets and tie-down assets to the nearest AMC pallet and net hub. For cargo moving via channel missions, tie-down equipment is subject to one-for-one exchange for serviceable items only. TO 13C2-1-1, [Cleaning, Repair and Test Instructions for Cargo Tie-Down Equipment](#), provides cleaning and maintenance instructions for tie-down equipment.
2. Units and shippers will program and fund the acquisition of tie-down equipment to move their shipments on System 463L pallets to preclude work stoppages or cancellation or delay of missions.

F. AUTHORIZED USES FOR PALLETS AND NETS

1. Pallets and nets and associated equipment will be used as intermodal devices only. These assets interface with the aircraft's cargo restraint system under extremely close tolerances. They are easily damaged when used for other than their intended purpose. Using them for any purpose other than pre-palletizing and transporting cargo for airlift is therefore strictly prohibited.
2. Intra- or inter-theatre surface (ground or sea) transportation of cargo-loaded System 463L pallets and nets is restricted.
 - a. Organizations must remove cargo from built up System 463L pallets if that cargo is diverted for movement between locations via a surface mode of transportation.
 - b. Cargo may remain palletized if being moved over the road to another location for eventual airlift or delivery to the ultimate consignee.
 - c. Units are permitted to palletize cargo for surface movement during inspections/exercises or for special programs.
 - d. Units desiring surface transport of System 463L-loaded cargo must request a waiver through their CCMD TAM, Service pallet and net manager, or special programs program manager.
 - e. If over-the-road movement of built-up pallets is authorized, transporters must ensure adequate three-point dunnage is used, as outlined in TO 35D33-2-2-2.
3. Remove cargo from pallets immediately upon receipt and return the equipment (cleaned and stacked IAW TO 35D33-2-2-2 and TO 35D33-2-3-1) to the nearest airlift site as soon as possible.
4. Use of System 463L pallets, nets and associated equipment for long-term storage (more than 3 days) is prohibited. However, for specific mobility cargo that has a required response time of 24 hours or less as stated in their Designed Operational Capability, pallets and nets may be used for pre-built mobility cargo. Assets used for this purpose will be maintained IAW TO 35D33-2-2-2 and TO 35D33-2-3-1 to prevent loss or damage. Additionally, units are required to maintain an inspection log and provide it to HQ AMC/A4T, IG/QA inspectors and audit personnel upon request. The DOD Operational Manager may restrict or redact this authorization during

contingencies and periods of System 463L asset shortages unless a unit desiring to pre-build cargo possesses a validated movement order.

G. REPAIR LEVELS

1. **Field Repair:** Field-level repairs are authorized by Technical Order (TO). However, not all units have facilities or resources to conduct repairs. Unit CDRs will determine the repair capability for units under their cognizance IAW with Service, Component, or Agency guidance.
 - a. **Pallets.** Pallets are repairable at the unit or depot level. Unit personnel can repair many types of pallet damage. Do not dispose of condemned pallets at the unit level unless directed by the IM. Report authorized condemnations in the monthly report in GART. TO 35D33-2-2-2 further defines repair and condemnation criteria. Notify the DOD Operational Manager and IM of System 463L pallet field repair contracts initiated.
 - b. **Nets.** Return all nets identified for installation level repair to serviceable condition as expeditiously as possible. TO 35D33-2-3-1 outlines the criteria for net maintenance and repair. If field repair is not feasible, return the repairable nets to the depot. Upon initial inspection of nets that have been in storage for any length of time, if the presence of mold is identified, immediately stop inspection and contact the HQ AMC/A4TR for disposition instructions. Nets found to contain mold will not be shipped. HQ AMC/A4TR will coordinate with the WR-ALC/WNZDA Program Manager for final disposition instructions. Upon final disposition instructions, the unit will contact its local Bioenvironmental for assistance to properly package or dispose of the nets.
2. **Depot-Level Repair:** The IM or HQ AMC/A4TR provides shipping instructions and fund citations for the transportation of all depot repairable pallets and nets. Prepare, mark, and label repairable pallets to be consigned to the depot repair facility IAW TO 35D33-2-2-2. Prepare and ship nets to the depot IAW TO 35D33-2-3-1.
 - a. **Pallets.** Do not allow unserviceable pallets (pallets that cannot be repaired at the unit level) to accumulate at installations. All pallets deemed unserviceable must be separated from serviceable pallets. Unserviceable pallets must be maintained in a pallet stacker or area clearly marked that designates the pallets as bad or unserviceable. Do not ship or transfer unserviceable pallets without a proper condition tag. Complete a DD Form 1577, Unserviceable (Condemned) Tag-Materiel (Figure 608-1) or DD Form 1577-2, Unserviceable (Repairable) Tag-Materiel (Figure 608-2) for each consolidated shipment of unserviceable pallets. Send large quantities of repairable pallets directly to the contractor's repair facility using shipping instructions provided by the IM through the MAJCOM or DOD Component pallet and net manager. OCONUS, turn in repairable pallets IAW TO 35D33-2-2-2. Do not ship nets on pallets to the depot repair facility.
 - b. **Nets.** The depot repair facility will handle all repairs not within the maintenance capability of the installation or unit. Ensure nets are dry, enclose them in vapor proof barriers, and ship to depot repair facilities. Attach the condition tag to an outer surface of the shipping container. Do not ship nets on System 463L pallets to the depot repair facility. Upon initial inspection of nets that have been in storage for any length of time, if the presence of mold is identified, immediately stop inspection and contact the HQ AMC/A4TR for disposition instructions. Nets found to contain mold will not be shipped. HQ AMC/A4TR will coordinate with the WR-ALC/WNZDA Program Manager for final disposition instructions. Upon final disposition instructions, the unit will contact its local Bioenvironmental for assistance to properly package or dispose of the nets.

H. WORLDWIDE SYSTEM 463L PALLET AND NET CONFERENCE

The conference charter is to review worldwide pallet and net requirements, evaluate inventories, report new technological advances, and address any issues impacting effective management of pallets and nets. Invitees include representatives from all DOD Components authorized operational or WRM pallets and nets. The DOD Operational Manager will convene a separate System 463L Pallet and Net Working Group during the off years, as necessary, to discuss and resolve problems identified by the users and to lay the groundwork for the biennial worldwide conference. The working group includes representatives from HQ Air Force, Warner Robins Air Logistics Center, USTRANSCOM, each DOD Component, and HQ AMC. Other agencies may attend if the agenda topics indicate their participation is warranted.

WARNING: Unauthorized persons removing, defacing, or destroying this tag may be subject to a fine of not more than \$1,000 or imprisonment for not more than one year or both (18 USC 1361)	FSN, PART NO AND ITEM DESCRIPTION		UNSERVICEABLE (CONDEMNED) TAG-MATERIEL		
			INSPECTION ACTIVITY	CONDITION CODE H	
	SERIAL NUMBER / LOT NUMBER		REASON OR AUTHORITY		
			INSPECTOR'S NAME OR STAMP AND DATE		
	UNIT OF ISSUE	QUANTITY	REMARKS		

DD Form 1577, OCT 66

Figure 608-1. DD Form 1577, Unserviceable (Condemned) Tag-Materiel

WARNING: Unauthorized persons removing, defacing, or destroying this tag may be subject to a fine of not more than \$1,000 or imprisonment for not more than one year or both (18 USC 1361)	FSN, PART NO AND ITEM DESCRIPTION		UNSERVICEABLE (REPARABLE) TAG - MATERIEL		
			INSPECTION ACTIVITY	CONDITION CODE	
	SERIAL NUMBER / LOT NUMBER		REASON FOR REPARABLE CONDITION		
			REMOVED FROM		
	CONTRACTOR OR PURCHASE ORDER NO.	QUANTITY	INSPECTOR'S NAME OR STAMP AND DATE		
REMARKS					

DD Form 1577-2, OCT 66

Figure 608-2. DD Form 1577-2, Unserviceable (Reparable) Tag-Materiel

Table 608-1. Types and Sizes of System 463L Pallets/Nets and Associated Equipment

Nomenclature	NSN	Size/Capacity
Pallet, Cargo, Aircraft, HCU-6/E	1670-00-820-4896CT	88 X 108 X 2.25 in 10,000 lb capacity ¹
Net, Cargo, Tiedown Pallet, Top, HCU-15/C	1670-00-969-4103CT	88 X 108 in 10,000 lb capacity ¹
Net, Cargo, Tiedown Pallet, Side HCU-7/E (two pieces per top net)	1670-00-996-2780CT	88 X 108 in 10,000 lb capacity ¹
Coupler, Pallet, C-141/C-130/C-5	1670-01-061-0990CT	2 in ¹
Coupler, Pallet, KC-10/DC-10	1670-01-487-8743CT	1 in ¹
Strap, Nylon, Tiedown, CGU-1/B	1670-00-725-1437	5,000 lb capacity ²
Cover, Cargo, Pallet	3990-00-930-1480	Unit of Issue Roll (10 count) ³
Strap, Webbing, Tiedown	5340-00-980-9277	5,000 lb capacity ³
Chain, Tiedown, CGU-4E	1670-00-516-8405	10,000 lb capacity ²
Adjuster, Chain, CGU-3E	1670-00-212-1149	10,000 lb capacity ²
Chain, Tiedown, MB-2	1670-00-778-4079	25,000 lb capacity ²
Adjuster, Chain, MB-3	1670-00-212-1150	25,000 lb capacity ²
Tie Down Device, MB-1	1670-01-580-3069	10, 000 lb. capacity
Tie Down Device, MB-2	1670-01-580-3080	25, 000 lb. capacity
Tie Down Device, CGU-8/A	1670-01-599-2784	10,000 lb. capacity
Tie Down Device, CGU-7/A	1670-01-599-2776	25,000 lb. capacity
Net, Low Profile, HCU-7A/E	1670-01-603-0034CT	

¹ Pallets/nets/couplers managed by Robbins Air Force Base (LCMC/WNZDA, Robins AFB, GA 31098-1611). However, pallets and nets cannot be obtained through the Standard Base Supply System.

² Managed by DGSC/S9G, Richmond, VA 23219

³ Managed by DISC/S9I, 700 Robbins Ave, Philadelphia, PA 19101