



## Internal Air Transport Certification



ASC/ENFC (ATTLA)  
2530 Loop Road West  
WPAFB, OH 45433-7101  
<https://afkm.wpafb.af.mil/ATTLA> (direct)  
<https://wwwd.my.af.mil/afknprod/ATTLA> (AF Portal)

**Date:** 6 March 2012

**Item Nomenclature:** Genaire Cargo Pallet SK338

**File Number:** 2005.09.29

**Requestor:** 642 CBSG/GBEC (Traci Messick)

**Superseded Certification Date:** 13 October 2006

**New Information Summary:** This certification replaces the temporary airlift approval of the same item (reference 1) and provides approval to use the SK338 pallet as a suitable, compatible and airworthy equivalent to the HCU-6/E pallet in the 463L cargo handling system of K-loaders and US Air Force and Civil Reserve Aircraft Fleet (CRAF) aircraft.

### Reference Documents:

1. ASC/ENFC memo, 13 Oct 2006, Temporary Airlift Approval of Genaire Cargo Pallet.
2. AMC/A37V FCIF 06-10-15, 31 Oct 2006, Genaire Cargo Pallet (NSN 1670-21-906-3423).
3. T.O. 35D33-2-2-2, Instructions, 463L Air Cargo Pallets, HCU-6/E.
4. Genaire Limited Reference Guide, Air Cargo Pallet SK338.
5. MIL-DTL-27443F Pallets, Cargo, Aircraft, Type HCU-6/E and HCU-12/E.

**Item Description:** The subject pallet is manufactured by Genaire Limited in Canada under their designation SK338 and NATO NSN 1670-21-906-3423. Item is identified by the words "Genaire Honeycomb" and "Canada" (Figure 1) stenciled in red on each side of the pallet frame. The pallet is described as all-aluminum alloy construction weighing 330 lbs maximum, with an aluminum honeycomb core (not a solid balsa wood core as in HCU-6/E pallets) and is form, fit, and functionally interchangeable with the HCU-6/E pallet. Dimensions are 108" L x 88" W x 2.25" H.



Figure 1: Genaire Cargo Pallet SK338 markings

**Certified Aircraft:** USAF C-130, C-17, C-5, KC-135, KC-10. For CRAF, final approval of the airlift of the item ultimately rests with the individual contractor providing airlift services to the DOD.

### Conditions of Certification:

1. **Maximum Weight for Air Transport:** 10,000 lbs of cargo placed on the pallet surface.
2. **Item Preparation:**
  - a. All existing procedures for storing, cleaning, handling, and building-up HCU-6/E pallets shall be followed.

b. Load limits for aircraft cargo rollers and K-loader rollers shall not be exceeded at any time when using SK338 pallet.

c. The SK338 pallet shall be subject to applicable HCU-6/E pallet inspection and reuse criteria (Reference 3).

**NOTE:** No repair shall be performed on SK338 pallets. Any damage that could jeopardize the functional reliability of the pallet or the interfacing aircraft system is cause for removal from service use; the pallet will be returned to Genaire Limited (Reference 4).

d. All hazardous materials (to include fuel level, batteries, etc.) must be prepared and certified for airlift IAW (in accordance with) TM 38-250/AFMAN 24-204(I). Do not consider this air transport certification as approval for hazardous materials. Authorization for airlifting hazardous material is the responsibility of 401 SCMS/GUMAA (DSN 787-4503 or COM (937) 257-4503).

**3. Loading Instructions:** Item was not tested for 17° teeter/cresting (reference 5). Therefore, SK338 pallets should only be loaded straight in without subjecting the pallet to unnecessary cresting. Otherwise, loading of SK338 pallets shall be IAW established practices for HCU-6/E pallets.

**4. Restraint Requirements:** IAW established practices for HCU-6/E pallets, the Genaire Cargo Pallet SK338 and all accompanying cargo must be restrained to meet MIL-HDBK-1791 requirements of 3G forward, 1.5G aft and lateral, and 2G up. In addition, stored or installed equipment must meet these requirements and be capable of withstanding a 4.5G down load.

**5. Required Shoring:** Use of shoring between cargo and the pallet upper surface (when necessary) shall be IAW established practices for HCU-6/E pallets.

**Required Distribution:**

1. Shipper shall give a copy of this certification to the ATOC representative when the item is presented for airlift. This certification shall be part of the official cargo manifest documentation package and shall be briefed to the aircraft loadmaster prior to loading this item.

2. AMC/A3V.

3. SDDC TEA.

**Point of Contact:** Jon Lay, at Jon.Lay@wpafb.af.mil, DSN 986-9856 or Commercial (937) 656-9856. Refer to file number 2005.09.29 regarding this item.



Reviewed by: CAROLINE J. BUCKEY  
Aerial Delivery Technical Expert  
Crew Systems Branch



Approved by: JENNIFER L. FARRELL  
Technical Advisor  
Crew Systems Branch