



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS AERONAUTICAL SYSTEMS CENTER (AFMC)
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

15 MAY 1995

MEMORANDUM FOR TRANSPORTATION ENGINEERING AGENCY
ATTENTION: MTTE-DPE (MR. R. BRYAN REYNS)
720 THIMBLE SHOALS BOULEVARD, SUITE 130
NEWPORT NEWS VA 23606-2574

FROM: ASC/ENFC
Building 125
2335 Seventh Street, Suite 6
Wright-Patterson AFB OH 45433-7809

SUBJECT: Request for High Mobility Trailer (HMT) Air Transportability
Certification (Your memo, 27 Apr 95)

1. We certify the High Mobility Trailer variants HMT-L, HMT-H, and HMT-HC for airlift on the C-130, C-141, C-5, and C-17 aircraft. Specific provisions of this certification are shown in paragraph 3.

2. These are single axle trailers and can be equipped with a soft top. The physical characteristics of the items are shown below (height does not include soft top):

Table with columns: Variant, Curb Weight, Max Gross Weight, Length, Width, Height. Rows include HMT-L, HMT-H, and HMT-HC with handwritten 'M1102' next to HMT-H.

Legend: HMT-L - High Mobility Trailer - Light
HMT-H - High Mobility Trailer - Heavy
HMT-HC - High Mobility Trailer - Heavy Chassis

3. Certification is based on the following conditions:

a. Each variant shall be limited to the maximum gross weight shown in paragraph 2.

b. Overall height should not exceed 102" for the C-130 or 103" for the C-141 aircraft.

c. Hazardous materials must be prepared and certified in accordance with TM 38-250/AFJMAN 24-204 (formerly AFR 71-4).

d. The item and all mounted or stored equipment must meet the restraint requirements of MIL-STD-1791, i.e., 3G forward, 1.5G lateral and aft, and 2G vertical (up). In addition, the item and all mounted or stored equipment must be able to withstand a 4.5G download.

e. If the trailer is disconnected from the prime mover for flight, shoring will be required under the lunette or the landing gear. The shipper is responsible for providing all required shoring.

4. A copy of this certification should accompany the units each time they are processed for airlift.

5. The air transportability engineer for this project is the undersigned. I may be reached at DSN 785-6039, ext 4102, or (513) 255-6039, ext 4102. Please refer to project file 12-F-17.



THOMAS P. GARDNER

Group Leader, Aerial Delivery Group
Crew System Branch

cc:

HQ ACC/DOTW

HQ AMC/DOVG