



## Ammunition Transportability Certification

Defense Ammunition Center  
Explosives Safety Engineering  
JMAC-ESE, 1-C Tree Road, Bldg. 35  
McAlester, OK 74501



**Date:** 10 June 2014

**Item Nomenclature:** Secondary Load and Secondary Load (Divided Shelves)

**Part Number:** 1305003 and 13050031

**Model:** N/A

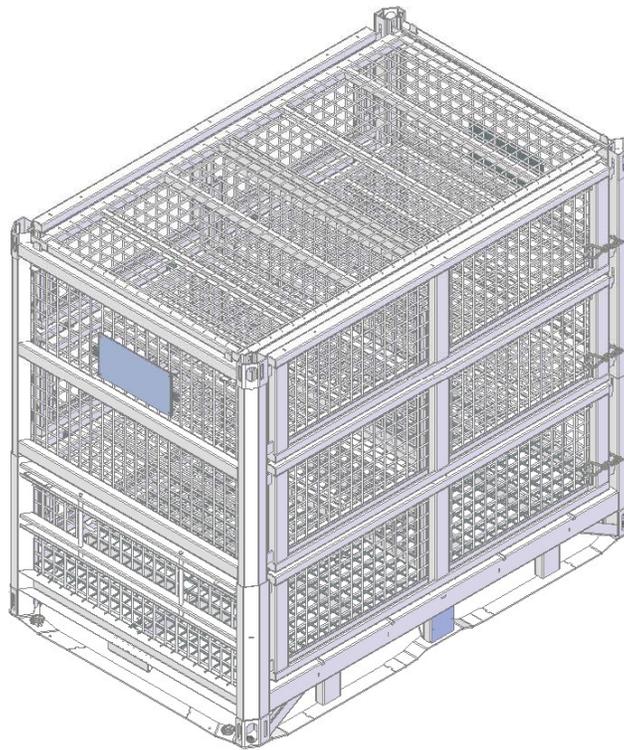
**NSN:** No Assigned Numbers

**Manufacturer:** Mobile Shelter Systems

**Requestor:** Mobile Shelter Systems

**Superseded:** N/A

**Certification Number:** ATC 2014-005

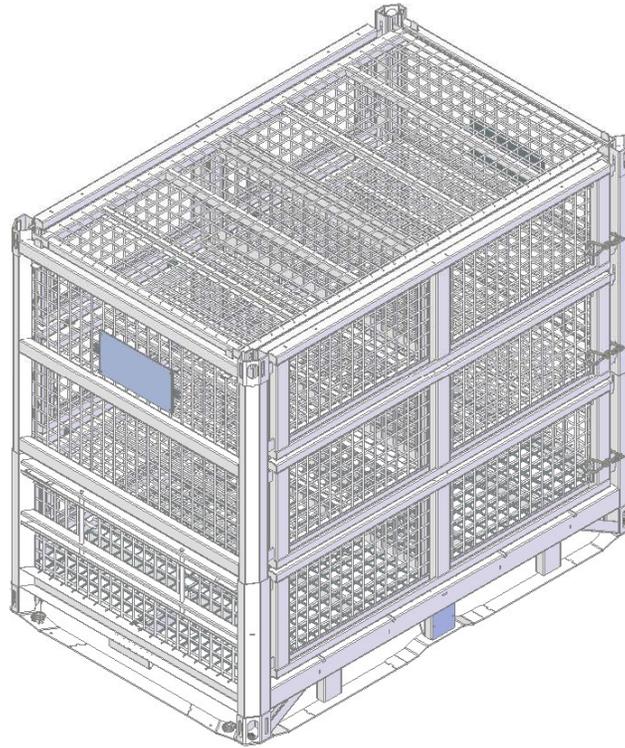


**Figure 1: Secondary Load**



## Ammunition Transportability Certification

Defense Ammunition Center  
Explosives Safety Engineering  
JMAC-ESE, 1-C Tree Road, Bldg. 35  
McAlester, OK 74501



**Figure 2: Secondary Load (Divided Shelves)**

### 1. References:

- a. AR 385-10, 27 November 2013, subject: The Army Safety Program.
- b. AR 740-1, 15 June 2001, subject: Storage and Supply Activity Operation.
- c. JMC-R 10-23, 23 September 2011, subject: Mission and Major Functions of U.S. Army Defense Ammunition Center (DAC)/US Army Technical Center for Explosives Safety (USATCES).
- d. TP-94-01, Revision 2, June 2004, subject: Transportability Testing Procedures.
- e. Test Report No. 12-26, March 2013, subject: Transportability Testing of the Mobile Shelter Systems (MSS) ISO 20 Large Sharkcage.
- f. Drawing 19-48-4349, December 2014, subject: Typical Loading Procedures for Storage and Transport Frame (STF).
- g. Drawing 19-48-4350, December 2014, subject: Loading and Bracing in End Opening ISO Container and Flatbed Trailer of Ammunition Items Packed in Storage and Transport Frames (STF).



## Ammunition Transportability Certification

Defense Ammunition Center  
Explosives Safety Engineering  
JMAC-ESE, 1-C Tree Road, Bldg. 35  
McAlester, OK 74501



### 2. Tested and Approved Comparable Articles:

- a. ISO 20 Large (Part # 1305011)
- b. ISO 20 Large (Divided Shelves) (Part # 13050111)

### 3. Method of Certification: Analogy, see reference 1e.

### 4. Analysis: The ISO 20 Large and ISO 20 Large (Divided Shelves) were certified for ammunition transportation on March 2013. The Secondary Load and Secondary Load (Divided Shelves) are identical in structure, but shorter, narrower, and lower in height, which does not have an impact on the ammunition outloading procedures for these items. The Secondary Load and Secondary Load (Divided Shelves) are approved for ammunition transportation by analogy, and will not need to be submitted for test.

### 5. Conditions of Certification:

- a. Approved Modes of Transportation: Highway, Rail, Tactical, Ship.
- b. Maximum Weight of Ammunition Certified: 5,000 lbs Total (1,000 lbs Shelf Capacity).
- c. Outloading Instructions: See references 1f-1g above. Additional drawings are available from DAC at <https://www3.dac.army.mil/DET>.
- d. Item Preparation: Use appropriate outloading procedures for the commodity being shipped. Drawings vary depending on transportation mode.

### 6. Point of Contact: Richard Garside, richard.h.garside.civ@mail.mil, DSN 956-8050, Commercial 918-420-8050.

Prepared by: \_\_\_\_\_

Richard Garside  
General Engineer  
Explosives Safety  
Engineering Division

Approved by: \_\_\_\_\_

Laura Fieffer  
Chief, Explosives Safety  
Engineering Division