



Technical Standard Order

Subject: TSO-C90c, CARGO PALLETS, NETS, AND CONTAINERS

a. Applicability.

(1) Minimum Performance Standard. This technical standard order (TSO) prescribes the minimum performance standard that cargo unit load devices must meet to be identified with the applicable TSO marking. New models of cargo pallets, nets, and containers that are to be so identified and that are manufactured on or after the date of this TSO must meet the minimum performance standards of Aerospace Industries Association of America, Inc., National Aerospace Standard (NAS) 3610, "Cargo Unit Load Devices - Specification For," Revision 10, dated November 1, 1990.

(2) Exceptions. In lieu of paragraph 3.5 of NAS 3610, paragraph b. of this TSO provides the marking requirements.

b. Marking. The following information shall be legibly and permanently marked on the cargo unit load device in an area clearly visible after the article (or combination of articles) is loaded with cargo:

(1) The name and address of the manufacturer.

(2) The weight of the article to the nearest pound.

(3) The serial number or the date of manufacture of the article or both.

(4) The name, type, part number, or model designation of the article, and the identification of the article in the code system set out in paragraph 1.2.1 of NAS 3610, Revision 10.

(5) If the article is not omnidirectional, the words "FORWARD," "AFT," and "SIDE" must be conspicuously and appropriately placed.

Revision 10. (6) The burning rate determined for the article under paragraph 3.7 of NAS 3610,

(7) The applicable TSO number.

(8) Any limitations or restrictions.

c. Data Requirements. In addition to the information required by Federal Aviation Regulations Section 21.605(a), the manufacturer shall furnish to the Manager, Aircraft Certification Office (ACO), Federal Aviation Administration, having purview of the manufacturer's facilities, one copy each of the following technical data:

(1) The manufacturer's analysis and/or test results showing compliance with the requirements of this TSO.

(2) The manufacturer's instructions for installation, operation, and servicing of the article.

(3) The manufacturer's instructions for maintenance and repair of the article.

(4) An assembly drawing of the article showing and describing the actual language of all markings, marking location, and size of print.

d. Data to be Furnished with Manufactured Articles.

(1) One copy of the data specified in paragraphs c.(2) and c.(3) of this TSO and any other data that are necessary for continued airworthiness must go to each person receiving for use one or more articles manufactured under an authorization of this TSO.

(2) The existence of TSO approval with the article displaying required marking does not automatically constitute authority to install and use the article in an aircraft. Each article must include a note that states with the following:

"The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install the article on or within a specific type or class of aircraft to determine that the aircraft operating conditions are within the TSO standards. The article may be installed only if further evaluation by the user/installer documents an acceptable installation that is approved by the Administrator."

e. Previously Approved Articles. A cargo pallet, net, or container approved prior to the date of this TSO may continue to be manufactured under the provisions of its original approval.

f. Availability of Reference Documents.

(1) Copies of NAS 3610, Revision 10, may be purchased from the Aerospace Industries Association of America, Inc., 1250 Eye Street, N.W., Suite 1100, Washington, DC 20005.

(2) Federal Aviation Regulations (14 CFR Part 21, Subpart O) may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325.

(3) Advisory Circular 20-110, "Index of Aviation Technical Standard Orders," may be obtained from the U.S. Department of Transportation, Utilization and Storage Section, M-443.2, Washington, DC 20590.

/S/ Henri P. Branting
Manager, Aircraft Engineering Division, AIR-100
Aircraft Certification Service