

Issued 1970-11  
Revised 2002-02  
Reaffirmed 2007-12  
Stabilized 2013-01  
  
Superseding AS1130F

**Air and Air/Surface (Platform) Cargo Pallets**

**RATIONALE**

This document has been determined to contain basic and stable technology which is not dynamic in nature.

**STABILIZED NOTICE**

This document has been declared "Stabilized" by the SAE AGE-2A Cargo Handling Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2013 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

**TO PLACE A DOCUMENT ORDER:** Tel: 877-606-7323 (inside USA and Canada)  
Tel: +1 724-776-4970 (outside USA)  
Fax: 724-776-0790  
Email: CustomerService@sae.org  
http://www.sae.org

**SAE WEB ADDRESS:**

**SAE values your input. To provide feedback  
on this Technical Report, please visit  
<http://www.sae.org/technical/standards/AS1130G>**

## 1. SCOPE:

This SAE Aerospace Standard (AS) establishes three classes of pallets:

- a. Type A, Air only Pallet
- b. Type B, Platform Pallet (Air/Surface Intermodal)
- c. Type C, Adapter Pallet

Pallets will have nominal dimension of:

- a. Size F pallet (10 ft) (NAS 3610-2F1P) - 2.44 m x 2.99 m (96 in x 117.75 in)
- b. Size R pallet (16 ft) (NAS 3610-2R1P) - 2.44 m x 4.98 m (96 in x 196 in)
- c. Size G pallet (20 ft) (NAS 3610-2G1P) - 2.44 m x 6.06 m (96 in x 238.5 in)
- d. Size H pallet (30 ft) (NAS 3610-2H1P) - 2.44 m x 9.12 m (96 in x 359.25 in)
- e. Size J pallet (40 ft) (NAS 3610-2J1P) - 2.44 m x 12.19 m (96 in x 480 in)

Type A, Air only pallets, will normally be on aircraft equivalent roller conveying systems and/or on similarly equipped ancillary ground handling devices.

Type B, Platform pallets, are suitable for air/surface handling and transport systems. Supplementary requirements for Type B version are found in Section 4.

Type C, Adapter pallets, are used to adapt 2.44 m x 2.44 m (8 ft x 8 ft) surface mode only containers for transport. Supplementary requirements for Type C version are found in Section 5.

NOTE: Use of the adapter pallet with surface mode only 2.44 m x 2.44 m (8 ft x 8 ft) containers may require uniform load distribution on the base cross members of these containers for carriage on certain aircraft. The aircraft approved Weight and Balance Manual should be referred to for loadability procedures or limitations, or both.

## 1.1 Purpose:

This Aerospace Standard (AS) provides dimensional, structural, and environmental requirements for 2.44 m (8 ft) wide pallets to be used in freighter versions of certificated aircraft equipped to provide restraint to pallets tested to the requirements of NAS 3610 Class II restraint system. It is also intended to be compatible with 2.44 m x 2.44 m (8 ft x 8 ft) cross section containers described in AS832. The Type C adapter pallet is intended to be compatible with 2.44 m x 2.44 m (8 ft x 8 ft) cross section containers described in ANSI MH 5.1, Cargo Containers and ISO 1496 Series 1, Freight Containers. Pallet nets used in conjunction with these pallets are described in AS1131. The minimum essential criteria are identified by use of the key word "shall". Recommended criteria are identified by use of the key word "should", and while not mandatory, are considered to be of primary importance in providing serviceable, economical, and practical air transport pallets. Deviation from recommended criteria should occur only after careful consideration, extensive testing, and thorough service evaluation have shown alternate methods to be satisfactory.

## 2. REFERENCES:

### 2.1 Applicable Documents:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

#### 2.1.1 SAE Publications: Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AS832	Air and Air/Surface (Intermodal) General Purpose Containers
AS1131	Air and Air/Surface (Platform) Cargo Pallet Nets

#### 2.1.2 ISO Publications: Available from International Organization for Standardization, Case Postale 56, CH-1211, Geneve 20, Switzerland.

ISO 4115	Air Cargo Equipment - Air/Land Nets
ISO 4116	Air Cargo Equipment - Ground Equipment Requirements for Compatibility With Unit Load Devices
ISO 4117	Air and Air/Land Cargo Pallets - Specification and Testing
ISO 1496/1	Series 1 Freight Containers - Specification and Testing - Part 1: General Cargo Containers