

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

*(Not to be reproduced without the permission of BIS or used as an Indian Standard)*

**भारतीय मानक मसौदा**

**हवाई कार्गो उपकरण जमीनी उपकरण आवश्यकताएँ विमान यूनिट लोड  
उपकरणों के साथ संगतता के लिए**

*(पहला पुनरीक्षण)*

**Draft Indian Standard**

**AIR CARGO EQUIPMENT GROUND EQUIPMENT REQUIREMENTS  
FOR COMPATIBILITY WITH AIRCRAFT UNIT LOAD DEVICES**

*( First Revision )*

ICS: 49.100, 49.120

---

**Air and Space Vehicles Sectional Committee, TED 14 Last date for receipt of comments is  
28/08/2024**

---

**NATIONAL FOREWORD**

*(Identical Clause to be added later)*

This standard was originally published in 1985. The first revision of this standard has been undertaken to keep pace with the latest technological developments and align it with the latest version of ISO 4116: 1986.

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

## **SCOPE**

This International Standard specifies requirements for those portions of the aircraft unit load device ground and terminal handling equipment that will have a direct bearing on the life of the device for the purpose of preventing undue wear on the device. (Experience has shown that inadequate design and maintenance of ground equipment increase the cost of unit load devices.)

This International Standard covers requirements for conveyorsystems, guides, stops and restraint hardware that are used on trucks, transporters, dollies, storage provisions, pallet build-up hoists, or other device-handling equipment, and it should be noted that

- a) These requirements reflect current criteria applied to known successfully operated hardware. Any design deviations shall be required to demonstrate equivalency to the criteria specified in this International Standard;
- b) These devices usually form an integral part of the aircraft and, as such, are subject to the requirements of regulatory agencies, to ensure structural integrity.

The devices (aircraft unit load devices) to which this International Standard is applicable can be containers, galley modules and pallets for aircraft galley and cargo systems. Size, shape and load capacities of devices are not included in this International Standard.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 4116:1986 or CONTACT:**

Head  
Transport Engineering Department  
Bureau of Indian Standards  
9 Bahadur Shah Zafar Marg  
New Delhi 110 002  
Email: [ted@bis.org.in](mailto:ted@bis.org.in), [hted@bis.org.in](mailto:hted@bis.org.in)  
Telefax: 011- 2323 6311