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IS 8169: XXXX/ ISO 6517: 2013

For comments only

भारतीय मानक प्रारूप

वायनौभार उपस्कर - केवल उच्च क्षमता वाले वाययान के निचले डेक के लिए आधार निग्राही प्रमाणित धारक

(*पहला पुनरीक्षण*)

Draft Indian Standard

AIR CARGO EQUIPMENT — BASE — RESTRAINED CERTIFIED CONTAINERS EXCLUSIVELY FOR THE LOWER DECK OF HIGH - CAPACITY AIR - CRAFT

(*First Revision*)

(Adoption of ISO 6517: 2013)

ICS: 55.180.30

Last date for receipt of comments is 07/12/2022

B U R E A U O F I N D I A N S T A N D A R D S
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Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 6517: 2013 'Air cargo — Certified lower deck containers — Design and testing' by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Air and Space Vehicles Sectional Committee and approval of the Transport Engineering Division Council.

The committee responsible for this document is ISO/TC 20, Aircraft and space vehicles, Subcommittee SC 9, Air cargo and ground equipment.

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.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 4116: 1986 Air cargo equipment — Ground equipment requirements for compatibility with aircraft unit load devices	IS 11437 : 1985 Ground equipment requirement for compatibility with aircraft unit load devices	Indigenous
ISO 10046: 1996 Aircraft — Methodology of calculating cargo compartment volumes	IS 12545 : 1988 Methodology of calculating aircraft cargo volumes	Indigenous

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

International Standard/ Other Publication	*Title*
ISO 7166: 1985	Aircraft — Rail and stud configuration for passenger equipment and cargo restraint
ISO 8097: 2001	Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices (Endorsement of NAS 3610 10th edition)
ISO/TR 8647: 1990	Environmental degradation of textiles used in air cargo restraint equipment
ISO 10327: 1995	Aircraft — Certified aircraft container for air cargo — Specification and testing
ISO 11242: 1996	Aircraft — Pressure equalization requirements for cargo containers
ISO 21100 : 2020	Air cargo unit load devices — Performance requirements and test parameters
CAAC CCAR-21	Certification Procedures for Products and Parts
CAAC CCAR-25, Airworthiness Standards	Transport Category Airplanes, paragraph 25.855, Cargo or baggage compartments, and Appendix F
CAAC CCAR-121	Air Carriers Certification and Operations system
CAAC Chinese Technical Standard Order CTSO C90d	Cargo pallets, nets and containers
EASA Part 21	Certification of aircraft and related products, parts and appliances, and of design and production organisations (Commission Regulation (EU) No 748/2012)

EASA CS-25	Certification Specifications for Large Aeroplanes, paragraph 25.855, Cargo or baggage compartments, and Appendix F
EASA (European Aviation Safety Agency) EU-OPS 1.035	Quality system
EASA European Technical Standard Order ETSO C90d	Cargo pallets, nets and containers (Unit Load Devices)
Japanese Airworthiness Standard Part 3	(Civil Aeronautics Law Article 10 § 4)
U.S. Code of Federal Regulations Title 14 CFR Part 21	Certification Procedures for Products and Parts
U.S. Code of Federal Regulations Title 14 Part 25	Airworthiness Standards: Transport Category Airplanes ("14 CFR Part 25"), paragraph 25.855, Cargo or baggage compartments, and Appendix F
U.S. Code of Federal Regulations Title 14 CFR Part 121	Air carriers certification and operation
U.S. Federal Aviation Administration Advisory Circular AC 120-59	Air carriers internal evaluation programs
U.S. Federal Aviation Administration Technical Standard Order TSO C90d	Cargo Pallets, Nets and Containers
EUROCAE ED-14G	Environmental conditions and test procedures for airborne equipment

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.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'.

SCOPE

This International Standard covers the minimum design and operational testing requirements for general purpose base-restrained containers exclusively intended for the lower deck compartments of main line civil transport aircraft, capable of being used by either airlines or shippers and requiring airworthiness authority approval (certification).

NOTE 1 — The metric equivalents for dimensions have been rounded up or down to the nearest millimetre, except in critical dimensions. Masses have been rounded up to the nearest kilogram and forces have been rounded up to the nearest 10 N.

NOTE 2 — Containers with other base sizes than those specified by this International Standard can also be built to a lower deck contour, but they need not be carried exclusively on the lower deck. See ISO 10327.

This International Standard does not cover the performance requirements and ultimate load testing parameters for approval by airworthiness authorities (certification), which are covered in ISO 21100 or, for units approved prior to 2012, ISO 8097:2001. The design and operational testing requirements of this International Standard are additional to those of these standards.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 6517: 2013 or CONTACT:

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