# INTERNATIONAL STANDARD

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## Air cargo — Non-certified containers for the lower deck of large-capacity aircraft — Specification and testing

Fret aérien — Conteneurs non certifiés de pont inférieur d'aéronefs gros porteurs — Spécifications et essais



Reference number ISO 4118:2005(E)

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#### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in Maison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4118 was prepared by Technical Committee ISO/TC 20, Aircraft and space vehicles, Subcommittee SC 9, Air cargo and ground equipment.

This third edition cancels and replaces the second edition (ISO 4118:1996), of which it constitutes a technical revision. It also incorporates Technical Corrigendum 150,4118:1996/Cor.1:1999.

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#### Introduction

Throughout this International Standard, 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 safe, economical and practical air transport containers.

Throughout this international standard, the minimum essential criteria are identified by use of the key word "should" and, while not mandatory, are considered to be of primary importance in providing safe, economical and practical air transport containers. Deviation from recommended criteria as bould only occur after careful consideration and thorough service evaluation have shown alternative methods to provide an equivalent level of safety.

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# Air cargo — Non-certified containers for the lower deck of large-capacity aircraft — Specification and testing

#### 1 Scope 🥒

This International **Standard** specifies the requirements for lower-deck containers in large-capacity aircraft which do not require airworthiness certification when loaded under the conditions of compartment restraint and/or, where applicable according to aircraft type, ISO 8097 (NAS 3610) equivalent base-plate restraint.

#### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4116, Air cargo equipment — Ground equipment requirements for compatibility with aircraft unit load devices

ISO 8097:2001, Aircraft — Minimum airworthings requirements and test conditions for certified air cargo unit load devices (endorsement of NAS 3610, tenth edition)

ISO 11242, Aircraft — Pressure equalization requirements for cargo containers

Federal Aviation Regulations (FAR) 14CFR Part 25, Anworthiness standards: Transport category airplanes, Section 25.853, Compartment interiors <sup>1)</sup>

European Aviation Safety Agency CS-25, Certification Specifications for Large Aeroplanes <sup>2)</sup>

NOTE Informative references are given in the Bibliography.

#### 3 Dimensions and ratings

External contours, dimensions and ratings of applicable containers are shown in Table 1.

They are also available from its website: www.easa.eu.int.

<sup>1)</sup> FAR Part 25 constitute the USA government's transport aircraft airworthiness regulations, and can be obtained from the following address:

US Government Printing Office, Mail Stop SSOP, Washington DC 20402-9328, USA.

<sup>2)</sup> EASA CS-25 constitute the European governments' transport aircraft airworthiness regulations, and can be obtained from the following address:

European Aviation Safety Agency (EASA), Postfach 101253, D-50452 Cologne, Germany.