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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 16299-2025

Replacing GB/T 16299-1996

Technical requirements and testing methods for aircraft containers

航空集装箱技术要求和试验方法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB/T 16299-1996 "Technical Conditions and Test Methods for Aircraft Lower Hold Containers" and is consistent with GB/T 16299-1996. Compared to previous versions, aside from structural adjustments and editorial changes, the main technical changes are as follows:

a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.1996 edition);

b) The term "aircraft container" and its definition have been added (see 3.1);

c) Combine "symbol" and "sign" into "identifier" (see Chapter 4, Chapter 3,

4.7 of the.1996 edition);

d) Combine "symbols," "external dimensions," and "total mass" into "dimensions and operating total mass" (see Chapter 5,.1996 edition, p. 3). (Chapters

4.1.1 and 4.4.1);

e) The requirement for door frame opening dimensions has been removed (see

4.1.2 in the.1996 edition);

f) The volume requirement has been removed (see

4.1.3 of the.1996 edition);

g) Integrate "materials," "properties," "structure," and "surface requirements" into "basic requirements" (see Chapter 6,

4.2 of the.1996 edition). 4.3.1~4.3.3);

1 Scope

GB/T 16299-2025 is the Chinese national standard on technical requirements and testing methods for aircraft containers, in the field of packaging and distribution of goods. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 55.180.30, CCS V 52. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the markings, dimensions, and gross operational mass of air containers, as well as the basic and technical requirements, and describes the test methods. This document applies to the design, production, and manufacturing of general aviation containers with base plate size codes A, B, G, K, L, M, N, P, Q, R, and S. use. This document does not apply to special aviation containers (such as temperature-controlled containers and fire-resistant containers).

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 23418 Terminology for Air Freight and Ground Equipment

3 Terms and Definitions

The terms and definitions defined in GB/T 23418 and the following terms and definitions apply to this document.

3.1 Aircraft container A fully enclosed box-type container used directly in conjunction with the cargo transfer and locking (motion restriction) system of an aircraft. [Source: GB/T

23418-2009, 2.2, with modifications]

4.1 Composition

4.1.1 The markings shall at least include the identification mark for the air cargo container (hereinafter referred to as "container") and the requirements of the Chinese Civil Aviation Technical Standards. (CTSO) marks two parts.

4.1.2 The markings shall be complete, accurate, unobstructed during use, permanent, and easily legible, and shall meet the requirements of ISO 21100. Require.

4.2 Identification Markers

4.2.1 The identification mark should consist of three parts. basic information code, serial number, and owner registration code, as shown in Figure

1.The identification mark... The font height should be no less than 100mm, and it should be marked at least on the upper part of both sides of the container.