ICS 49.090
CCS V09

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 43469-2023

Portable aviation child restraint device

便携式机上儿童限制装置

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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: Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents: This document is proposed and managed by the Civil Aviation Administration of China: Portable on-board child restraint device

1 Scope

GB 43469-2023 is the Chinese national standard on portable aviation child restraint device, in the field of aircraft and space vehicle engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 27 November 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2024. Classification: ICS 49.090, CCS V09. 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 defines the terms and definitions of portable child restraint devices on board aircraft and stipulates the requirements for installation and fixation on civil transport aircraft: The requirements, structure of the constraint system, performance indicators of the constraint system assembly and its components, as well as product description and labeling requirements are described: test, chemical test, suitability test, dynamic test and flip test: This document is suitable for passengers to carry on board civil transport aircraft and only use waist restraints to fix it on the forward-facing passenger seat: Design and

production, inspection and testing, product certification, service provision and trade cooperation of portable in-flight child restraint devices:

Note: The portable in-flight child restraint devices defined in this document do not include those that require special installation on the passenger seat or need to be supported by external structures or accessories: Child restraints that are on the passenger seat or need to be installed on the passenger seat through special webbing; child restraints with special needs are not included: devices, or medical child restraints:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document: GB/T 2912:

1 Determination of formaldehyde in textiles Part 1: Free and hydrolyzed formaldehyde (water extraction method) GB 6675:

2 Toy Safety Part 2: Mechanical and Physical Properties GB 6675:

4 Toy Safety Part 4: Migration of Specific Elements

GB/T 17592 Determination of banned azo dyes for textiles GB/T 19941:

1 Determination of formaldehyde content in leather and fur Part 1: High performance liquid chromatography GB/T 19941:

2 Determination of formaldehyde content in leather and fur Part 2: Spectrophotometric method

GB/T 19942 Determination of banned azo dyes for chemical testing of leather and fur

GB/T 22048 Determination of specific phthalate plasticizers in toys and children's products

GB/T 23344 Determination of 4-aminoazobenzene in textiles

GB/T 26193 Determination of migratable elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium in toy materials by inductively coupled plasma spectral method

GB 27887-2011 Restraint systems for child occupants of motor vehicles

GB/T 30419 Determination of migratable elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium in toy materials by inductively coupled plasma atoms emission spectroscopy

GB/T 32602 Determination of the content of migratable elements antimony, barium, cadmium, chromium and lead in toy materials by graphite furnace atomic absorption spectrometry

GB/T 32603 Determination of movable elements arsenic, antimony, selenium and mercury in toy materials by atomic fluorescence spectrometry

GB/T 33392 Determination of 4-aminoazobenzene in banned azo dyes for chemical testing of leather and fur

ISO 6487:2015 Road vehicle impact test measurement technology instruments and equipment (Roadvehicles-Measurementtech- CCAR-25-R

4 Airworthiness Standard for Transport Category Aircraft CTSO-C100c child aviation safety device