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# International Standard



# 8097

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices**

*Aéronefs — Caractéristiques minimales de navigabilité et conditions d'essai des unités de charge certifiées pour fret aérien*

First edition — 1986-10-15

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UDC 621.869.8 : 629.7

Ref. No. ISO 8097-1986 (E)

Descriptors : aircraft industry, cargo aircraft, aircraft equipment, containers, nets, pallets, classifications, specifications, designation, marking.

## 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 liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8097 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*.

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# Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices

## 1 Scope and field of application

Sheet 3

This International Standard lays down the minimum requirements and test conditions for certified cargo unit load devices to be installed in certified aircraft. It covers pallets, nets and containers intended for use with the following classes of aircraft loading and restraint systems :

- Class I : Unit load device restraint in conformity with all flight and ground load conditions, including 9g forward emergency loading conditions.
- Class II : All other unit load device restraints.

## 2 Requirements

Requirements are specified in the sixth edition of NAS 3610<sup>1)</sup> which is adopted as a *de facto* ISO International Standard. For the purposes of international standardization, the modifications outlined below shall apply to specific clauses of NAS 3610.

Sheet 2

### 1.2 Classification

The following table including the metric dimensions shall be added :

Size code	Nominal dimension	
	in	mm
A	88 × 125	2 235 × 3 175
B	88 × 108	2 235 × 2 743
C	88 × 118	2 235 × 2 997
D	88 × 54	2 235 × 1 371
E	88 × 53	2 235 × 1 346
F	96 × 117 3/4	2 438 × 2 991
G	96 × 238 1/2	2 438 × 6 058
H	96 × 359 1/4	2 438 × 9 125
J	96 × 480	2 438 × 12 192
K	60.4 × 61.5	1 534 × 1 562
L	60.4 × 125	1 534 × 3 175
M	96 × 125	2 438 × 3 175

## 2 Referenced documents

Replace the existing text in 2.1.1 with the following :

2.1.1 GOVERNMENTAL. See applicable national governmental airworthiness regulations.

### 3.7 Fire protection

Replace the existing text in 3.7 with the following :

3.7 FIRE PROTECTION. The materials used in the construction of pallets, nets and containers shall meet the appropriate provisions laid down in national governmental airworthiness regulations.

Sheet 5

### 6.3 Unit load device capacities

Replace the existing text in 6.3 with the following :

6.3 UNIT LOAD DEVICE CAPACITIES. Maximum gross weight capacities are not shown for the unit load devices covered by this International Standard. Actual gross weight limits for a device in a given airplane are determined in compliance with applicable national governmental airworthiness regulations and listed in the approved Weight and Balance Manual for that particular airplane.

## 3 Revision of NAS 3610

It has been agreed with AIA that Technical Committee ISO/TC 20 will be consulted in the event of any revision or amendment of NAS 3610.

NOTE — The sixth revised edition of NAS 3610, published in April 1977, has received broad international airworthiness authority approval. A seventh revised edition, published in August 1983, is under regulatory authority review.

1) NAS 3610 is a copyrighted publication of the Aerospace Industries Association of America, Inc. (AIA). Copies of the original text in English can be obtained from the following address :

AIA, 1725 DeSales Street, N.W., Washington, DC 20036, USA.

The text of NAS 3610 translated into French was circulated to member bodies with draft International Standard ISO/DIS 8097.

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