

INTERNATIONAL
STANDARD

ISO
8097

Third edition
1995-09-01

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

iTeh STANDARD PREVIEW

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

ISO 8097:1995

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Reference number
ISO 8097:1995(E)

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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

International Standard ISO 8097 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 8097:1993), of which it constitutes a technical revision through the introduction of the size code "R" (96 in × 196 in; 2 438 mm × 4 978 mm).

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

1 Scope

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 tenth edition of NAS 3610¹⁾ which is adopted as a *de facto* 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
R	96 × 196	2 438 × 4 978

Sheet 3

2.1.1 Governmental

Replace the existing text in 2.1.1 with the following:

2.1.1 GOVERNMENTAL. See applicable national governmental airworthiness regulations.

1) NAS 3610 is a copyright 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, 1250 Eye Street, N.W., Washington, DC 20005, USA.

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 Stan-

ard. 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 1 The tenth revised edition of NAS 3610, published in November 1990, has received broad international airworthiness authority approval. An eleventh edition (correcting an omission in revision 10) is to be published by AIA, to be followed by regulatory authority review and approval.

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ICS 55.180.30

Descriptors: aircraft, cargo aircraft, cargo, restrain systems, unit loads, freight containers, pallets, nets, classification, specifications, dimensions, tests, testing conditions, designation, air worthiness certificates.

Price based on 2 pages
