
**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*

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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 liaison 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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

This fourth edition of International Standard ISO 8097, which cancels and replaces the third edition (ISO 8097:1995), was prepared by the Aerospace Industries Association of America, Inc. (AIA) as the 10th revision of NAS 3610, November 1990, and was adopted (without modifications except those stated in clause 2 of this International Standard) by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 9, *Air cargo and ground equipment*.

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

1 Scope

This International Standard specifies 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.

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.

ISO 8097:2001(E)

Sheet 2, subclause 1.2, Classification

Add the following table which includes metric dimensions:

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

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Sheet 3, subclause 2.1.1, Governmental

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Replace the existing text with the following:

“2.1.1 GOVERNMENTAL. See applicable national governmental airworthiness regulations.”

Sheet 3, subclause 3.7, Fire protection

Replace the existing text 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, subclause 6.3, Unit load device capacities

Replace the existing text 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.”

Sheet 87

Delete Figure 31 given on Sheet 87 and replace it with the revised Figure 31 from Sheet 88.

Sheet 88

Move the revised Figure 31 to Sheet 87, as specified above, and replace it with the missing Figure 32 as shown in the 8th and 9th revisions of NAS 3610 (published respectively in September 1987 and November 1987), referred to in ISO 8097:1993 (2nd edition), unchanged and still valid.

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 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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