

INTERNATIONAL STANDARD

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Aircraft — Stability requirements for loading and servicing equipment

*Aéronefs — Exigences de stabilité des matériels de chargement et de
service*



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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.

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 11995 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 9, *Air cargo and ground equipment*.

Annex A of this International Standard is for information only.

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Introduction

Throughout this International Standard, the minimum essential criteria are identified by the use of the key word "shall". Recommended criteria are identified by the use of the key word "should", and while not mandatory are considered to be of primary importance in providing safe equipment. Deviation from the recommended criteria should occur only after careful consideration, extensive testing, and thorough service evaluation have shown alternate methods to be satisfactory.

Aircraft — Stability requirements for loading and servicing equipment

1 Scope

1.1 This International Standard specifies:

- a) the criteria to be used to determine stability of aircraft loading and servicing equipment, including wind loads;
- b) the classification of systems recommended to achieve stability;
- c) the formula to be used for calculating steady-state wind stability;
- d) the recommended test methods applicable to equipment.

1.2 The intent of this International Standard is not to specify equipment design, but rather to define uniform criteria, calculation and testing methods in order to provide a safe work environment under all predictable circumstances for the users of aircraft loading and servicing equipment.

1.3 This International Standard specifies the worldwide requirements recognized by aircraft and equipment manufacturers as well as airlines and handling agencies.

In addition, it shall be applied with due reference to national governmental regulations of the country where the equipment is to be operated.

1.4 This International Standard applies to aircraft loading and servicing equipment, typically but not exclusively defined as follows:

- container and pallet loaders (see ISO 6967 and ISO 6968);
- catering trucks (see ISO 10841);
- passenger stairs (see ISO 12056);
- maintenance and fueling access platforms, when operated in a static position on an aircraft

1.5 This International Standard does not apply to:

- forklifts;
- aircraft de-icers;
- any equipment with rotating booms,

and more generally any equipment the normal mode of operation of which includes moving in the elevated position.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 6966:1993, *Aircraft — Basic requirements for aircraft loading equipment*