
**Aircraft ground equipment — Basic
requirements —**

**Part 2:
Safety requirements**

Matériel au sol pour aéronefs — Exigences de base —

Partie 2: Exigences de sécurité



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 9, *Air cargo and ground equipment*.

This second edition cancels and replaces the first edition (ISO 6966-2:2005), which has been technically revised for increased harmonization with EN 1915-1:2013.

ISO 6966 consists of the following parts, under the general title *Aircraft ground equipment — Basic requirements*:

- *Part 1: General design requirements*
- *Part 2: Safety requirements*

[Annex A](#) of this part of ISO 6966 is for information only.

Introduction

This part of ISO 6966 specifies the safety requirements to be taken into account by manufacturers for the design of aircraft ground support equipment. It identifies the various concerns to be taken into consideration to ensure ground equipment safety for operators and aircraft.

Throughout this International Standard, the minimum essential criteria are identified by use of the keyword “shall”. Recommended criteria are identified by use of the key word “should” and, while not mandatory, are considered to be of primary importance in providing safe, economical, and usable aircraft ground support equipment. Deviation from recommended criteria should only occur after careful consideration and thorough service evaluation have shown alternate methods to provide an equivalent level of safety.

The requirements of this International Standard are expressed in the applicable SI units, with approximate inch-pound units conversion between brackets for convenience in those countries using that system. Where it is deemed necessary to use exact values, the SI unit ones are to be used.

Aircraft ground equipment — Basic requirements —

Part 2: Safety requirements

1 Scope

This part of ISO 6966 specifies the minimum design requirements applicable to all aircraft ground support equipment (GSE), as defined in [3.1](#) hereafter, in order to ensure

- a) safety of staff operating or maintaining the equipment or in its vicinity, and
- b) protection of aircraft against interference or damage.

An informative list of the most commonly used pieces of ground equipment is provided in [Annex A](#) hereafter. Nevertheless, the requirements of this part of ISO 6966 apply to any piece of aircraft ground support equipment, as defined, used on airports.

This part of ISO 6966 does not intend to provide all the design requirements applicable for aircraft ground support equipment. Other requirements apply, and can be found in separate International Standards:

- ISO 6966-1 specifies the general, other than safety-related, requirements applicable to all aircraft ground support equipment;
- ISO 4116 specifies the additional requirements applicable for conveying surfaces of those pieces of aircraft ground support equipment intended for handling and loading of baggage and cargo unit load devices;
- specific International Standards, listed in the Bibliography, define the functional and performance requirements for certain types of aircraft ground support equipment.

In most countries, standing Government Health and Safety laws and regulations apply to machinery, implicitly or explicitly, including aircraft ground support equipment. Nothing in this part of ISO 6966, however, shall be deemed or otherwise used to supersede any locally applicable law or regulation, unless a specific exemption has been obtained for this purpose from the appropriate Authority.

This part of ISO 6966 does not apply to automotive vehicles or parts thereof approved for public vehicles, when used on aircraft ground support equipment for the purpose for which they are designed.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3411, *Earth-moving machinery — Physical dimensions of operators and minimum operator space envelope*

ISO 3457, *Earth-moving machinery — Guards — Definitions and requirements*

ISO 3746, *Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Survey method using an enveloping measurement surface over a reflecting plane*