
**Houses — Description of
performance —**

Part 7:
Accessibility and usability

*Constructions d'habitation — Description des performances —
Partie 7: Accessibilité et utilisabilité*



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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 of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommittee SC 15, *Framework for the description of housing performance*.

A list of all parts in the ISO 15928 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is one of a series under the general title "Houses — Description of performance". The objective of the ISO 15928 series is to identify the methods used to describe the performance of houses. The ISO 15928 series is confined to buildings occupied for residential purposes that may be separated or linked horizontally, but not linked vertically, and which have their own access and do not share any common space.

Each part of the ISO 15928 series relates to a separate attribute. ISO 15928 (all parts) do not specify levels of performance and are not intended to replace national standards, but to provide a standardized framework to facilitate the development of national standards. ISO 15928 (all parts) do not provide design methods and/or design criteria.

Based on the framework provided by the ISO 15928 series, purchasers, regulators and standards writers in their respective countries can describe their requirements in standardized performance terms, as appropriate. Additionally, the manufacturers/providers can respond by describing the performance of their products in a similar manner. The purpose of this document is to provide a standardized system of describing performance that can be used to specify performance requirements and performance levels, or to rate houses in terms of accessibility, usability, and safety during use.

The intent is to provide a standardized system that is to be used to realize performance description.

The objectives of this document are as follows:

- a) to facilitate international trade in housing systems and housing products and to exchange housing information and knowledge by eliminating technical barriers;
- b) to facilitate innovation in housing by providing a systematic framework for evaluation and acceptance;
- c) to establish user needs related to in specific technical engineering terms in order to facilitate communication among all stakeholders.

This document can also be useful in increasing consumer product awareness and in developing quality systems for houses.

NOTE [Annex A](#) provides a commentary on this document.

Houses — Description of performance —

Part 7: Accessibility and usability

1 Scope

This document sets out a method for describing the performance of houses. It covers user needs, provides performance descriptions, and outlines evaluation processes. It includes the description of relevant parameters necessary to ensure accessibility and usability in houses. It also includes features to ensure safety during daily use, i.e., reasonable consideration to prevent accident like tripping, falls, or collision.

This document is intended for use in the evaluation of the design and construction of houses, in the international trading of houses or their sub-systems, and in developing risk-management tools for the protection of houses. It does not specify a level of performance and it is not intended to provide design method and/or criteria.

NOTE 1 Structural safety, fire safety, and other performance attributes of a house are covered in other parts of the ISO 15928 series.

NOTE 2 Exporting a house (as a complete set, “kit house” for example) does mean that the site is not necessarily predetermined. Therefore, surrounding conditions cannot be known in advance. Even the interface between the entrance door and the ground cannot be predetermined (including how flat entry can be achieved). It is up to the builder and the client to decide how to design the interface. However, design examples for accessibility can be given.

NOTE 3 The way to describe performance of buildings is given in ISO 19208.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6707-1, *Buildings and civil engineering works — Vocabulary — Part 1: General terms*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6707-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

accident during use

accident (3.11) occurring as an interaction between building features and the *user* (3.7) during use

EXAMPLE Tripping, falling, collision, etc.

Note 1 to entry: Injury or fatality occurring from fire is excluded.