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# International Standard



# 3443/6

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **Tolerances for building — Part 6 : General principles for approval criteria, control of conformity with dimensional tolerance specifications and statistical control — Method 1**

*Tolérances pour le bâtiment — Partie 6 : Principes généraux pour les critères d'acceptation, le contrôle de conformité aux spécifications de tolérance dimensionnelle et le contrôle statistique — Méthode 1*

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3443/6 was prepared by Technical Committee ISO/TC 59, *Building construction*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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# Tolerances for building — Part 6: General principles for approval criteria, control of conformity with dimensional tolerance specifications and statistical control — Method 1

## 0 Introduction

This part of ISO 3443 forms one of a series of International Standards concerning tolerances for building and building components.

Another more detailed method to be used when establishing approval criteria and controlling accuracy by applying statistical principles is issued as method 2 in ISO 3443/7<sup>1)</sup>.

## 1 Scope and field of application

This part of ISO 3443 gives the general principles according to which tolerances should be specified and the approval criteria of geometrical characteristics which result from any operation made in building construction.

It applies to all types of forms, dimensions and positions within the building industry where tolerances are specified.

## 2 References

ISO 1803/1, *Building construction — Tolerances — Vocabulary — Part 1: General terms.*

ISO 3443/7, *Tolerances for building — Part 7: General principles for approval criteria, control of conformity with dimensional tolerance specifications and statistical control — Method 2.*<sup>2)</sup>

ISO 7077, *Measuring methods for building — General principles.*

## 3 Definitions

For the purposes of this part of ISO 3443, the following definitions apply.

**3.1 characteristic:** Feature for which a tolerance has been specified; it can be a dimension, an angle, the shape of a surface, etc.

**3.2 unit:** Object which is checked. A unit contains one or several characteristics; it can be a component, a part of a construction, etc.

NOTE — In this document, the term "item" is used as a synonym for "unit", in harmony with ISO 2859.

**3.3 lot:** Definite quantity of some commodity (units) manufactured or produced under conditions which are presumed uniform.

## 4 Tolerances and specified requirements

Tolerance specifications give the permitted variation of size (see ISO 1803/1).

A tolerance specification should be indicated in at least one of the following ways:

- in contractual documents,
- on a drawing,
- in a national or International Standard to which reference is made,
- in other documents referred to in a contract.

1) Internationally, users are free to decide whether to use method 1 (the short method) or method 2 (the longer method).

2) At present at the stage of draft.