



International

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Building environment design — Indoor environment — General principles

*Conception de l'environnement des bâtiments — Environnement
intérieur — Principes généraux*

ISO 16813

**Second edition
2024-11**

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This document was prepared by Technical Committee ISO/TC 205, *Building environment design*.

This second edition cancels and replaces the first edition (ISO 16813:2006), which has been technically revised.

The main changes are as follows:

- updated [Clauses 2](#) and [3](#);
- revision of the flow diagram of the design process ([Annex A](#));
- addition of the nine general principles of sustainability (NGPS) provided by ISO 15392;
- addition of subclauses on building environment parameters and variables, project team, commissioning, post-occupancy evaluation, and commissioning issues and lesson learned;
- deletion of [Annex B](#) on flow diagram of design process;
- addition of [Annex B](#) on building environment parameters and variables.

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This document provides general principles of building environment design and is intended for design team members, (e.g. architects, environmental designers and building system designers), as well as building clients, contractors, government officials and academic experts.

The aim is to assist these groups in applying an effective design process in order to achieve a balance between comfort and environmental considerations. This document specifies the design drawings and specifications to be evaluated at every design stage. This document also provides the framework for sustainability issues to be considered in the design requirements and the constraints to take into consideration from very early stages of the building design process.