BS ISO 6707-3:2022

BSI Standards Publication

Buildings and civil engineering works — Vocabulary

Part 3: Sustainability terms

bsi.

National foreword

This British Standard is the UK implementation of ISO 6707-3:2022. It supersedes BS ISO 6707-3:2017, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CB/101/-/2, Basic Data - Terminology.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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INTERNATIONAL STANDARD

ISO 6707-3

Second edition
2022-11-29

Buildings and civil engineering works — Vocabulary —

Part 3: Sustainability terms

Здания и сооружения — Словарь —

3: Термины устойчивого развития

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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*, Subcommitee SC 2, *Terminology and harmonization of languages*, in collaboration with Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommitee SC 17, *Sustainability in buildings and civil engineering works*.

This second edition cancels and replaces the first edition (ISO 6707-3:2017), which has been technically revised.

The main changes are as follows:

— some ambiguous concepts have been clarified;

— terms defined in ISO/TC 59/SC17 standards but not included in the previous edition have been added;

— alignment with definitions in ISO/TC 59/SC 17 standards has been improved;

— reference has been made to definitions in the recently published ISO 14050;

— the method of connecting definitions with ISO 6707-1 has been changed;

— the edition is published in English and Russian.

This document is intended to be used in conjunction with ISO 6707-1.

A list of all parts in the ISO 6707 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

With the growth in the number of international construction projects and the development of the international market in construction products, there is an increasing need for agreement on a common language.

This document establishes preferred terms and concepts related to sustainability for buildings and other types of construction works. Communication is important to the implementation and operation of the concept of sustainable development related to building and civil engineering. In the interest of common understanding and standardization, consistent word usage is encouraged to help eliminate the major barrier to effective technical communication.

This document presents a mix of terms and definitions, some of which are repeated from other ISO publications, while others are those that have been derived from ISO standards on environmental management and environmental life cycle assessment. Derivations have been performed carefully in order to maintain the original intention, but to enable interpretation in the context of sustainability and sustainable development related to buildings and civil engineering works.

This document does not contain a complete list of terms relevant to the thematic field, but focuses on concepts that have been standardized and/or applied through publication of individual standards within ISO/TC 59/SC 17 and on terms and definitions of concepts frequently encountered in the literature related to sustainability in buildings and other types of construction works.

Attention has been paid to how the terms selected have been used in ISO standards and European standards so as to maintain the original intention.

A related vocabulary on terms under ISO/TC 268, ISO 37100, focuses on concepts that have been standardized and/or applied through publications within ISO/TC 268.

Where terms are used in definitions to designate concepts that are defined elsewhere in this document, the relevant terms are presented in italics and the term number is given after the relevant term.

To facilitate the locating of any term given in the document, irrespective of preference or country of origin, the alphabetical index lists all preferred and admitted terms.

INTERNATIONAL STANDARD **ISO 6707-3:2022**

Buildings and civil engineering works — Vocabulary —

Part 3: Sustainability terms

1 Scope

This document establishes preferred terms and definitions for concepts applicable to sustainability and sustainable development related to buildings and civil engineering works.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1 Base terms

3.1.1
sustainable development
development that meets the environmental, social and economic needs of the present without compromising the ability of future generations to meet their own needs

[SOURCE: ISO Guide 82:2019, 3.2, modified — Note 1 to entry has been deleted.]

3.1.2
sustainability
state of the global system, including *environmental* (3.10.3), *social* (3.10.4) and *economic aspects* (3.10.5), in which the needs of the present are met without compromising the ability of future generations to meet their own needs

Note 1 to entry: The environmental, social and economic aspects interact, and are interdependent and are often referred to as the three dimensions of sustainability.

[SOURCE: ISO Guide 82:2019, 3.1, modified — Note 2 to entry has been deleted.]

3.1.3
built environment
collection of man-made or induced physical objects

Note 1 to entry: When treated as a whole, the built environment typically is taken to include buildings, external works (landscaped areas) and other construction works within the area under consideration.

3.1.4
technosphere
sphere or realm of human technological activity

Note 1 to entry: Technosphere includes the technologically modified environment.