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ILNAS

Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 15941:2024

Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use

Nachhaltigkeit von Bauwerken - Datenqualität für die Erfassung der Umweltqualität von Produkten und Bauwerken - Auswahl und Anwendung

Contribution des ouvrages de construction au développement durable - Qualité des données pour l'évaluation environnementale des produits et des



03/2024

National Foreword

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English Version

Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data

Contribution des ouvrages de construction au développement durable - Qualité des données pour l'évaluation environnementale des produits et des ouvrages de construction - Sélection et utilisation des données

Nachhaltigkeit von Bauwerken - Datenqualität für die Erfassung der Umweltqualität von Produkten und Bauwerken - Auswahl und Anwendung von Daten

This European Standard was approved by CEN on 10 December 2023.

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European foreword

This document (EN 15941:2024) has been prepared by Technical Committee CEN/TC 350 “Sustainability of construction works”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2024, and conflicting national standards shall be withdrawn at the latest by August 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TR 15941:2010.

In comparison with the previous edition, the following technical modifications have been made. The document:

— addresses both specific and generic data;

— addresses the assessment of data quality in relation to time, geography, technology, precision, completeness, consistency and sources of data;

— addresses the selection of data based on the assessment of data quality through guidance on the generation of a hierarchy;

— addresses the assessment, selection and use of data at both product and building level, and its applicability to all construction works including civil engineering works;

— addresses the avoidance of double counting through the selection of data, particularly in relation to electricity;

— addresses the reporting of data quality at product level in the Project Report and in the Environmental Product Declaration (EPD);

— addresses ease of data transfer at product level by addressing the use of a common Life Cycle Inventory (LCI) – nomenclature;

— addresses the reporting and communication of data quality information at building level;

— addresses the responsibilities of data providers to make data quality information available;

— no longer provides guidance on the pre-verification of generic data.

This document has been prepared under a Mandate given to CEN by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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1 Scope

This document specifies the data quality assessment and selection of data for Environmental Product Declarations (EPD) according to the core product category rules of EN 15804 and for the environmental performance assessment of buildings according to EN 15978 in a consistent way. It can also be used to assess and select data for the environmental assessment of civil engineering works according to EN 17472.

It defines data quality requirements with respect to temporal, technological and geographical representativeness for the data used to calculate the Life Cycle Assessment (LCA) based indicator results of the EPD and for construction works when applying EPD, life cycle inventory data or other LCA based information, and gives guidance for the generation of a hierarchy to support the selection of the most appropriate data regarding data quality. It also addresses the reporting of data quality at product and building level.

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.

EN 15804:2012+A2:2019, *Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products*

EN 15978, *Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method*

CEN ISO/TS 14071, Environmental management — Life cycle assessment — Critical review processes and reviewer competencies: Additional requirements and guidelines to ISO 14044:2006 (ISO/TS 14071)

EN ISO 14021, *Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) (ISO 14021)*

EN ISO 14044, *Environmental management - Life cycle assessment - Requirements and guidelines (ISO 14044)*

EN ISO 14067:2018, *Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification (ISO 14067:2018)*

ISO 21930:2017, *Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services*

European Commission — Joint Research Centre — *Institute for Environment and Sustainability. International Reference Life Cycle Data System (ILCD) Handbook — Nomenclature and other conventions.* 2010. EUR 24384 EN. Luxembourg. Publications Office of the European Union; 2010, ISBN 978-92-79-15861-2

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