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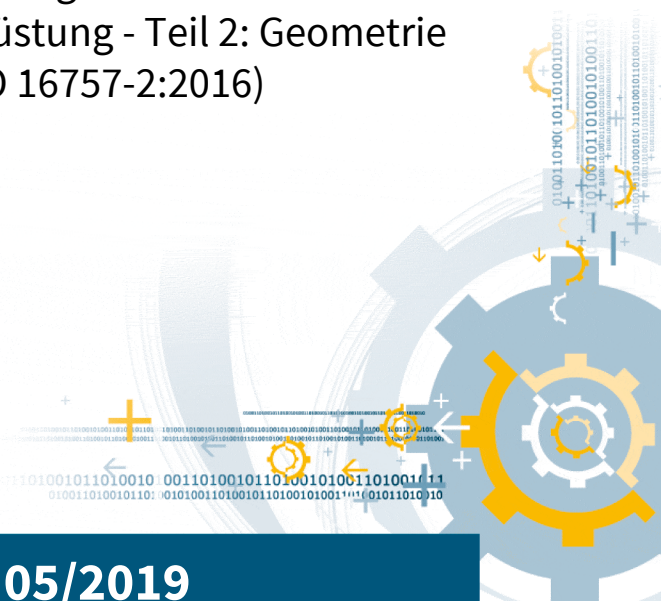
## ILNAS-EN ISO 16757-2:2019

### **Data structures for electronic product catalogues for building services - Part 2: Geometry (ISO 16757-2:2016)**

Structures de données pour catalogues  
électroniques de produits pour les  
services du bâtiment - Partie 2:  
Géométrie (ISO 16757-2:2016)

Datenstrukturen für elektronische  
Produktkataloge der Technischen  
Gebäudeausrüstung - Teil 2: Geometrie  
(ISO 16757-2:2016)

05/2019



## National Foreword

This European Standard EN ISO 16757-2:2019 was adopted as Luxembourgish Standard ILNAS-EN ISO 16757-2:2019.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
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EUROPEAN STANDARD

EN ISO 16757-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

ICS 91.010.01

English Version

## Data structures for electronic product catalogues for building services - Part 2: Geometry (ISO 16757-2:2016)

Structures de données pour catalogues électroniques  
de produits pour les services du bâtiment - Partie 2:  
Géométrie (ISO 16757-2:2016)

Datenstrukturen für elektronische Produktkataloge  
der Technischen Gebäudeausrüstung - Teil 2:  
Geometrie (ISO 16757-2:2016)

This European Standard was approved by CEN on 19 May 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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## European foreword

The text of ISO 16757-2:2016 has been prepared by Technical Committee ISO/TC 59 "Buildings and civil engineering works" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 16757-2:2019 by Technical Committee CEN/TC 442 "Building Information Modelling (BIM)" the secretariat of which is held by SN.

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 November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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.

After the finalization of ISO 16757-2 and during the process of its adoption as a European standard, CEN/TC 442 has started to develop standards about the "level of information need" which include the "level of geometry". Throughout the lifecycle of a built asset, e.g. for a building, different levels of geometric information about the products are needed.

The product catalogue permits information to be exchanged in accordance with the required level of information need.

The various geometric levels of ISO 16757-2 support the inclusion of products in an information container according to a required level of geometry.

ISO 16757-2, 6.2, defines methods of providing multiple levels of geometry which, in accordance with industry experience, should be available in a product catalogue. For a clearer description of detail and the extent of geometry, users are advised to apply the upcoming standards that are being drafted by CEN/TC 442 as well:

prEN 17412 *Building Information Modelling - Level of Information Need - Concepts and principles*

prEN ISO 23386 *Building information modelling and other digital processes used in construction - Methodology to describe, author and maintain properties in interconnected dictionaries*

prEN ISO 23387 *Building Information Modelling (BIM) - Data templates for construction objects used in the life cycle of any built asset - Concepts and principles*

There are two planned parts of ISO 16757 which are also closely related to current projects of CEN/TC 442:

- Part 4 will describe the use of dictionaries for capturing the properties of products. Part 4 will be based on ISO 12006-3 and on the European standards EN ISO 23386 and EN ISO 23387 which are being developed in CEN/TC 442/WG 4.
- Part 5 will describe the catalogue exchange format. This format will be based on the work in CEN/TC 442/WG 2 to use IFC for the exchange of product data.

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

### **Endorsement notice**

The text of ISO 16757-2:2016 has been approved by CEN as EN ISO 16757-2:2019 without any modification.

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# **Data structures for electronic product catalogues for building services —**

## **Part 2: Geometry**

*Structures de données pour catalogues électroniques de produits pour les services du bâtiment —*

*Partie 2: Géométrie*



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