ISO 16757-1:2015-02 (E)

Data structures for electronic product catalogues for building services - Part 1: Concepts, architecture and model

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Termsanddefinitions 2

3 Requirements and fundamentals 4
3.1 Content of a catalogue 6
3.2 Manufacture vs. user view of a catalogue 6
3.3 Parametric representation of catalogue data 7
3.4 Dynamic technical properties describing the behaviour of a product 8
3.5 Descriptive objects and representation objects 10
3.6 Purpose of Content Parts 10
3.7 Relationship to dictionary standards (ISO 13584, ISO 12006-3) 11

4 Productconfigurationandselection 11
4.1 Configuration by referencing properties 11
4.2 Selection of specific products 13
4.3 Standardised and catalogue-specific properties 15

5 Technical properties 16
5.1 Static properties 17
5.2 Dynamic properties 17

6 Accessories and composed products 18

7 Representation objects and descriptive objects 21
7.1 Article numbers 21
7.2 Geometry data 22
7.3 Product description 23
7.4 Descriptive objects 23

9 Data model 23
9.1 Properties 24
9.1.1 Technical perspective of properties 24
9.1.2 Content perspective of properties 26
9.2 Selection properties and the selection property hierarchy 27
9.3 Technical properties 30

10 Embedding of product data of selected products into the building information model 31

Bibliography 33