ISO 23387:2025-09 (E)

Building information modelling (BIM) - Data templates for objects used in the life cycle of assets

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Data template structure 3
4.1 General 3
4.2 UML representation of a data template structure 4
4.3 URIs usage for ISO 23887 data model 5
4.4 Data modelling 5
4.4.1 General 5
4.4.2 Reference document 5
4.4.3 Object type 5
4.4.4 Data template 6
4.4.5 Group of properties 6
4.4.6 Property 7

5 ISO 12006-3 representation 9
5.1 General 9
5.2 Definition of subject kinds 9
5.3 Specialization of dictionary meta level subject kinds 10
5.4 Subject relationships 11
5.5 Property relationships 12
5.6 Data template representation following ISO 12006-3 12

6 XML representations 14

Annex A (informative) Examples, use cases and implementations 15

Annex B (informative) Creation of data templates 25

Annex C (informative) Data template concepts attributes with examples 27

Annex D (informative) Correct instantiation case of subtypeOf relationship 31

Annex E (informative) XSD representation 32

Annex F (informative) XML example 33

Bibliography 34