ISO 12006-3:2022-07 (E)

Building construction - Organization of information about construction works - Part 3: Framework for object-oriented information

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Language encoding 2

5 Specification 2
5.1 General 2
5.2 EXPRESS-G specification 3
5.3 EXPRESS specification 7
5.3.1 General 7
5.3.2 xtdDateTime 7
5.3.3 xtdUUID 7
5.3.4 xtdDataTypeEnum 7
5.3.5 xtdExternalStatusEnum 8
5.3.6 xtdInternalStatusEnum 8
5.3.7 xtdNatureOfChangeEnum 9
5.3.8 xtdPropertyRelationshipTypeEnum 9
5.3.9 xtdRelationshipKindEnum 10
5.3.10 xtdRoleEnum 10
5.3.11 xtdStatusOfActivationEnum 10
5.3.12 xtdUnitBaseEnum 11
5.3.13 xtdUnitScaleEnum 11
5.3.14 xtdChangeRequest 11
5.3.15 xtdConcept 12
5.3.16 xtdCountry 13
5.3.17 xtdDictionary 13
5.3.18 xtdDimension 13
5.3.19 xtdExpert 14
5.3.20 xtdExpertWithStatus 14
5.3.21 xtdExternalDocument 15
5.3.22 xtdFilter 15
5.3.23 xtdInterval 16
5.3.24 xtdLanguage 16
5.3.25 xtdMedia 17
5.3.26 xtdMultiLanguageText 17
5.3.27 xtdObject 18
5.3.28 xtdOrderedValue 19
5.3.29 xtdProperty 19
5.3.30 xtdQuantityKind 20
5.3.31 xtdRational 21
5.3.32 xtdRelationshipToProperty 21
5.3.33 xtdRelationshipToSubject 21
5.3.34 xtdRelationshipType 22
5.3.35 xtdRoot 22

5.3.36 xtdSubdivision 23
5.3.37 xtdSubject 23
5.3.38 xtdSymbol 24
5.3.39 xtdText 24
5.3.40 xtdUnit 24
5.3.41 xtdUser 25
5.3.42 xtdUserWithRoles 25
5.3.43 xtdValue 26
5.3.44 xtdValueList 26
5.3.45 xtdVisualRepresentation 27

6 Application programming interface (API) 27

7 XML representations 27

Annex A (normative)EXPRESSlongformspecification 28

Annex B (normative)Applicationprogramminginterfacespecification 29

Annex C (informative) UML representation 30

Annex D (informative) XSD representation of the schema 33

Annex E (informative) Naming conventions 34

Annex F (informative) Examples 35

Bibliography 43