DIN EN ISO 19126:2021-09 (E)

Geographic information - Feature concept dictionaries and registers (ISO 19126:2021); English version EN ISO 19126:2021

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Conformance **4**
4.1 General 4
4.2 Conformance for a feature concept dictionary 5
4.3 Conformance for a register of feature concept dictionaries and/or feature catalogues 5

5 Concepts **5**
5.1 General 5
5.2 Feature concept dictionary 5
5.3 Registers 6
5.3.1 Overview 6
5.3.2 Register structure 6
5.3.3 Compound registry 6
5.3.4 Register management and registration 7
5.4 Feature concept dictionary register 7
5.5 Register of feature concept dictionary and feature catalogue registers 8
5.6 Relationship to data product specifications and application schemas 8
5.7 Community implementations 8
5.8 Notation 9
5.9 Packages 9

6 Feature concept dictionary schema **10**
6.1 General 10
6.2 CD_FeatureConceptDictionary 11
6.2.1 General 11
6.2.2 Requirements 12
6.2.3 Properties 13
6.3 CD_Scope 14
6.3.1 General 14
6.3.2 Requirements 14
6.3.3 Properties 14
6.4 CD_Concept 15
6.4.1 General 15
6.4.2 Requirements 15
6.4.3 Properties 16
6.4.4 Subclasses 17
6.5 CD_ConceptRelationship 17
6.5.1 General 17
6.5.2 Requirements 17
6.5.3 Properties 17
6.6 CD_ConceptRelationshipType 18
6.6.1 General 18
6.6.2 Requirements 18
6.6.3 Code values 18
6.7 CD_FeatureConcept 18
6.7.1 General 18
6.7.2 Requirements 19

6.7.3 Properties 19
6.8 CD_FeaturePropertyConcept 20
6.8.1 General 20
6.8.2 Requirements 20
6.8.3 Properties 20
6.8.4 Subclasses 20
6.9 CD_FeatureAttributeConcept 20
6.9.1 General 20
6.9.2 Requirements 21
6.9.3 Properties 21
6.10 CD_NominalValueConcept 22
6.10.1 General 22
6.10.2 Requirements 22
6.10.3 Properties 23
6.11 CD_FeatureAssociationConcept 23
6.11.1 General 23
6.11.2 Requirements 24
6.11.3 Properties 24
6.12 CD_FeatureRoleConcept 25
6.12.1 General 25
6.12.2 Requirements 25
6.12.3 Properties 25
6.13 CD_FeatureOperationConcept 26
6.13.1 General 26
6.13.2 Requirements 26
6.13.3 Properties 26

7 Management of feature concept dictionaries as registers 27
7.1 General 27
7.2 Item class for feature concepts 27
7.3 Item class for feature attribute concepts 28
7.4 Item class for nominal value concepts 28
7.5 Item class for feature association concepts 29
7.6 Item class for feature operation concepts 29

8 Register of feature concept dictionaries and feature catalogues 29
8.1 General 29
8.2 HR_FeatureInformationSubregisterDescription 30
8.2.1 General 30
8.2.2 Requirements 31
8.2.3 Properties 32
8.2.4 Constraints on inherited attributes and associations 32
8.3 HR_FeatureInfoSubRegisterType 33
8.3.1 Requirements 33
8.3.2 Code values 33
8.4 Item classes for feature information subregisters 33
8.4.1 General 33
8.4.2 Item class for feature concept dictionaries 34
8.4.3 Item class for feature data catalogues 34

Annex A (normative) **Abstract test suite 35**

Annex B (normative) **Information to be included in registration proposals 44**

Bibliography 49