

E DIN EN ISO 19126:2020-08 (E)

Erscheinungsdatum: 2020-07-10

Geographic information - Feature concept dictionaries and registers (ISO/DIS 19126:2020); English version prEN ISO 19126:2020

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviations	1
3.1 Terms and definitions	1
3.2 Abbreviations	4
4 Conformance	5
4.1 Introduction	5
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 Introduction	5
5.2 Feature concept dictionary	6
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	8
5.4 Feature concept dictionary register	8
5.5 Register of feature concept dictionary and feature catalogue registers	9
5.6 Relationship to data product specifications and application schemas	9
5.7 Community implementations	9
5.8 Notation	10
5.9 Packages	10
6 Feature concept dictionary schema	11
6.1 Introduction	11
6.2 CD_FeatureConceptDictionary	12
6.2.1 Introduction	12
6.2.2 dictionaryScope	13
6.2.3 theme	13
6.2.4 fieldOfApplication	13
6.2.5 containedConcept	14
6.3 CD_Scope	14
6.3.1 Introduction	14
6.3.2 name	14
6.3.3 description	14
6.4 CD_Concept	14
6.4.1 Introduction	14
6.4.2 category and member	16
6.4.3 relatedConcept	16
6.4.4 Subclasses	16
6.5 CD_ConceptRelationship	16
6.5.1 Introduction	16
6.5.2 type	16
6.5.3 explanation	17
6.6 CD_ConceptRelationshipType	17

6.7	CD_FeatureConcept.....	17
6.7.1	Introduction.....	17
6.7.2	propertyConcept.....	17
6.8	CD_FeaturePropertyConcept.....	18
6.8.1	Introduction.....	18
6.8.2	featureContext.....	18
6.8.3	Subclasses.....	18
6.9	CD_FeatureAttributeConcept.....	19
6.9.1	Introduction.....	19
6.9.2	dataType.....	19
6.9.3	quantityMeasure.....	19
6.9.4	value.....	20
6.10	CD_NominalValueConcept.....	20
6.10.1	Introduction.....	20
6.10.2	attributeConcept.....	20
6.11	CD_FeatureAssociationConcept.....	20
6.11.1	Introduction.....	20
6.11.2	role.....	21
6.12	CD_FeatureRoleConcept.....	21
6.12.1	Introduction.....	21
6.12.2	roleName.....	21
6.12.3	definition.....	22
6.12.4	associationContext.....	22
6.13	CD_FeatureOperationConcept.....	22
6.13.1	Introduction.....	22
6.13.2	signature.....	22
7	Management of feature concept dictionaries as registers.....	22
7.1	Introduction	22
7.2	Item class for feature concepts	23
7.3	Item class for feature attribute concepts.....	23
7.4	Item class for nominal value concepts.....	23
7.5	Item class for feature association concepts.....	24
7.6	Item class for feature operation concepts.....	24
8	Register of feature concept dictionaries and feature catalogues.....	24
8.1	Introduction	24
8.2	HR_FeatureInformationSubregisterDescription.....	25
8.2.1	Introduction.....	25
8.2.2	type.....	25
8.2.3	dictionaryScope.....	25
8.2.4	registerIdentifier.....	26
8.2.5	Constraints on inherited attributes and associations.....	26
8.3	Item classes for feature information subregisters.....	26
8.3.1	Introduction.....	26
8.3.2	Item class for feature concept dictionaries.....	26
8.3.3	Item class for feature data catalogues.....	27
Annex A (normative) Abstract test suite	28	
Annex B (normative) Abstract test suit Information to be included in registration proposals	29	
Bibliography.....	34	