

ISO 19126:2009-11 (E)

Geographic information - Feature concept dictionaries and registers

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Conformance	1
2.1	Introduction	1
2.2	Conformance for a feature concept dictionary	1
2.3	Conformance for a register of feature concept dictionaries and/or feature catalogues	1
3	Normative references	2
4	Terms, definitions and abbreviations	2
4.1	Terms and definitions	2
4.2	Abbreviations	5
5	Concepts	5
5.1	Introduction	5
5.2	Feature concept dictionary	6
5.3	Registers	6
5.4	Feature concept dictionary register	8
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	10
6	Feature concept dictionary schema	10
6.1	Introduction	10
6.2	CD_FeatureConceptDictionary	11
6.3	CD_Scope	12
6.4	CD_Concept	13
6.5	CD_ConceptRelationship	15
6.6	CD_ConceptRelationshipType	15
6.7	CD_FeatureConcept	15
6.8	CD_FeaturePropertyConcept	16
6.9	CD_FeatureAttributeConcept	16
6.10	CD_NominalValueConcept	17
6.11	CD_FeatureAssociationConcept	18
6.12	CD_FeatureRoleConcept	19
6.13	CD_FeatureOperationConcept	19
7	Management of feature concept dictionaries as registers	20
7.1	Introduction	20
7.2	Item class for feature concepts	20
7.3	Item class for feature attribute concepts	20
7.4	Item class for nominal value concepts	21
7.5	Item class for feature association concepts	21
7.6	Item class for feature operation concepts	21
8	Register of feature concept dictionaries and feature catalogues	22

8.1	Introduction	22
8.2	HR_FeatureInformationSubregisterDescription	22
8.3	Item classes for feature information subregisters	24
Annex A (informative) Feature concepts in dictionaries, catalogues and application schemas		25
Annex B (normative) Abstract test suite		27
Annex C (normative) Information to be included in registration proposals		28
Annex D (informative) Example implementation of the feature concept dictionary schema as a register		33
Annex E (informative) UML notation		35
Bibliography		40