DIN EN ISO 19152:2013-03 (E)

Geographic information - Land Administration Domain Model (LADM) (ISO 19152:2012); English version EN ISO 19152:2012

Inhalt

Seite

Foreword 5

Introduction 6

1 Scope 8

2 Conformance 8

3 Normative references 8

4 Terms, definitions, and abbreviations 9
4.1 Terms and definitions 9
4.2 Abbreviations 13

5 Overview of the LADM 13
5.1 Packages and subpackages of the LADM 13
5.2 Basic classes of the LADM 14
5.3 Party Package 15
5.4 Administrative Package 15
5.5 Spatial Unit Package 16
5.6 Surveying and Representation Subpackage 17

6 Content of classes of the LADM and their associations 18
6.1 Introduction 18
6.2 Special classes 18
6.2.1 VersionedObject 18
6.2.2 Fraction 20
6.2.3 Oid 20
6.2.4 LA_Source 20
6.3 Classes of Party Package 22
6.3.1 LA_Party 22
6.3.2 LA_GroupParty 24
6.3.3 LA_PartyMember 24
6.3.4 Code lists for Party Package 24
6.4 Classes of Administrative Package 25
6.4.1 LA_BAUnit 25
6.4.2 LA_RRR 26
6.4.3 LA_Right 27
6.4.4 LA_Restriction 28
6.4.5 LA_Responsibility 28
6.4.6 LA_Mortgage 28
6.4.7 LA_AdministrativeSource 29
6.4.8 LA_RequiredRelationshipBAUnit 29
6.4.9 Code lists for Administrative Package 30
6.5 Classes of Spatial Unit Package 30
6.5.1 LA_SpatialUnit 30
6.5.2 LA_SpatialUnitGroup 32
6.5.3 LA_LegalSpaceBuildingUnit 32
6.5.4 LA_LegalSpaceUtilityNetwork 33
6.5.5 LA_Level 34
6.5.6 LA_RequiredRelationshipSpatialUnit 34
6.5.7 Data types for Spatial Unit Package 35
6.5.8 Code lists for Spatial Unit Package 35
6.6 Classes of Surveying and Representation Subpackage 36

6.6.1 LA_Point **36**
6.6.2 LA_SpatialSource **37**
6.6.3 LA_BoundaryFaceString **38**
6.6.4 LA_BoundaryFace **38**
6.6.5 Data types for Surveying and Representation Subpackage **39**
6.6.6 Code lists for Surveying and Representation Subpackage **39**
6.7 Associations between classes **41**

Annex A (normative) **Abstract test suite** **43**
A.1 Introduction **43**
A.2 Abstract test suite for conformance level 1 (low level) **45**
A.2.1 General **45**
A.2.2 Test case identifier: VersionedObject **45**
A.2.3 Test case identifier: Administrative::LA_BAUnit **45**
A.2.4 Test case identifier: Party::LA_Party **45**
A.2.5 Test case identifier: Administrative::LA_Right **46**
A.2.6 Test case identifier: Spatial Unit::LA_SpatialUnit **46**
A.3 Abstract test suite for conformance level 2 (medium level) **46**
A.3.1 General **46**
A.3.2 Test case identifier: Administrative::LA_AdministrativeSource **46**
A.3.3 Test case identifier: Surveying and Representation::LA_BoundaryFaceString **47**
A.3.4 Test case identifier: Party::LA_GroupParty **47**
A.3.5 Test case identifier: Party::LA_PartyMember **47**
A.3.6 Test case identifier: Surveying and Representation::LA_Point **47**
A.3.7 Test case identifier: Administrative::LA_Restriction **47**
A.3.8 Test case identifier: Surveying and Representation::LA_SpatialSource **48**
A.3.9 Test case identifier: Spatial Unit::LA_SpatialUnitGroup **48**
A.4 Abstract test suite for conformance level 3 (high level) **48**
A.4.1 General **48**
A.4.2 Test case identifier: Surveying and Representation::LA_BoundaryFace **48**
A.4.3 Test case identifier: Spatial Unit::LA_LegalSpaceBuildingUnit **49**
A.4.4 Test case identifier: Spatial Unit::LA_LegalSpaceUtilityNetwork **49**
A.4.5 Test case identifier: Administrative::LA_Mortgage **49**
A.4.6 Test case identifier: Spatial Unit::LA_RequiredRelationshipSpatialUnit **49**
A.4.7 Test case identifier: Administrative::LA_Responsibility **49**

Annex B (normative) **2D and 3D representations of spatial units** **50**

Annex C (informative) **Instance level cases** **52**

Annex D (informative) **Country profiles** **72**

Annex E (informative) **Spatial units and spatial profiles** **83**

Annex F (informative) **Legal profiles** **88**

Annex G (informative) **The LADM and INSPIRE** **91**

Annex H (informative) **The LADM and LPIS** **93**
H.1 The integration of the LADM with European Land Parcel Identification Systems (LPIS) **93**
H.2 A data model for the integration of the LADM and LPIS **94**
H.2.1 General **94**
H.2.2 Basics of LPIS Core Model (LCM) **94**
H.2.3 Integration of LCM and the LADM basic classes **95**
H.3 Special issues for the integration of the LADM and LPIS **96**
H.4 Discussion **98**

Annex I (informative) **Social Tenure Domain Model (STDM)** **99**

Annex J (informative) **Code lists** **101**

Annex K (informative) **External classes** **103**
K.1 Introduction **103**
K.2 ExtParty **104**
K.3 ExtAddress **105**
K.4 ExtTaxation **105**
K.5 ExtLandUse **105**

K.6 ExtLandCover **106**
K.7 ExtValuation **106**
K.8 ExtPhysicalUtilityNetwork **106**
K.9 ExtPhysicalBuildingUnit **106**
K.10 ExtArchive **106**
K.11 Code lists for external classes **107**

Annex L (informative) **Interface classes** **108**

Annex M (informative) **Modelling land administration processes** **110**

Annex N (informative) **History and dynamic aspects** **111**

Annex O (informative) **LADM and other ISO/TC 211 international standards** **112**

Bibliography **117**