

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