

ISO 19152:2012-12 (E)

Geographic information - Land Administration Domain Model (LADM)

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Conformance	1
3	Normative references	2
4	Terms, definitions, and abbreviations	2
4.1	Terms and definitions	2
4.2	Abbreviations	6
5	Overview of the LADM	7
5.1	Packages and subpackages of the LADM	7
5.2	Basic classes of the LADM	8
5.3	Party Package	9
5.4	Administrative Package	9
5.5	Spatial Unit Package	10
5.6	Surveying and Representation Subpackage	11
6	Content of classes of the LADM and their associations	12
6.1	Introduction	12
6.2	Special classes	12
6.2.1	VersionedObject	12
6.2.2	Fraction	14
6.2.3	Oid	14
6.2.4	LA_Source	15
6.3	Classes of Party Package	16
6.3.1	LA_Party	16
6.3.2	LA_GroupParty	18
6.3.3	LA_PartyMember	18
6.3.4	Code lists for Party Package	18
6.4	Classes of Administrative Package	19
6.4.1	LA_BAUnit	19
6.4.2	LA_RRR	21
6.4.3	LA_Right	22
6.4.4	LA_Restriction	23
6.4.5	LA_Responsibility	23
6.4.6	LA_Mortgage	23
6.4.7	LA_AdministrativeSource	24
6.4.8	LA_RequiredRelationshipBAUnit	24
6.4.9	Code lists for Administrative Package	25
6.5	Classes of Spatial Unit Package	26
6.5.1	LA_SpatialUnit	26
6.5.2	LA_SpatialUnitGroup	27
6.5.3	LA_LegalSpaceBuildingUnit	28
6.5.4	LA_LegalSpaceUtilityNetwork	29
6.5.5	LA_Level	30
6.5.6	LA_RequiredRelationshipSpatialUnit	30
6.5.7	Data types for Spatial Unit Package	31

6.5.8	Code lists for Spatial Unit Package	31
6.6	Classes of Surveying and Representation Subpackage	32
6.6.1	LA_Point	32
6.6.2	LA_SpatialSource	33
6.6.3	LA_BoundaryFaceString	34
6.6.4	LA_BoundaryFace	35
6.6.5	Data types for Surveying and Representation Subpackage	35
6.6.6	Code lists for Surveying and Representation Subpackage	36
6.7	Associations between classes	38
Annex A (normative) Abstract test suite		40
Annex B (normative) 2D and 3D representations of spatial units		48
Annex C (informative) Instance level cases		50
Annex D (informative) Country profiles		71
Annex E (informative) Spatial units and spatial profiles		82
Annex F (informative) Legal profiles		88
Annex G (informative) The LADM and INSPIRE		91
Annex H (informative) The LADM and LPIS		93
Annex I (informative) Social Tenure Domain Model (STDM)		99
Annex J (informative) Code lists		101
Annex K (informative) External classes		103
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