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