

ISO 19152-3:2024-07 (E)

Geographic information - Land Administration Domain Model (LADM) - Part 3: Marine georegulation

Contents		Page
	Foreword	vi
	Introduction	vii
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	1
	3.1 Terms and definitions.....	1
	3.2 Abbreviated terms.....	2
4	Conformance	3
	4.1 Conformance requirements and testing.....	3
	4.2 Conformance classes.....	3
	4.3 Conformance class 1 — Marine limits and boundaries in support of the UNCLOS.....	4
	4.4 Conformance class 2 — General marine georegulation.....	4
5	Notation	4
6	Context	5
7	Feature and attribute structure	6
	7.1 Structural overview.....	6
	7.2 Geometry structure.....	6
	7.3 Packages of ISO 19152-3 (this document).....	7
8	Marine georegulation application schema	8
	8.1 Marine georegulation elements.....	8
	8.2 Inherited core packages.....	10
	8.3 MRN.....	10
	8.4 Party section.....	11
	8.4.1 Party section general.....	11
	8.4.2 MG_Party.....	12
	8.4.3 MG_Party attributes and relationships.....	13
	8.4.4 MG_PartyMember.....	13
	8.4.5 MG_PartyMember attributes and relationships.....	14
	8.4.6 MG_PartyTypeList.....	14
	8.4.7 MG_GroupPartyTypeList.....	14
	8.4.8 Special data types.....	14
	8.5 Administrative section.....	15
	8.5.1 Administrative section general.....	15
	8.5.2 MG_BAUnit.....	17
	8.5.3 MG_BAUnit attributes and relationships.....	17
	8.5.4 MG_BAUnitTypeList.....	18
	8.5.5 MG_RRR.....	18
	8.5.6 MG_RRR attributes and relationships.....	19
	8.5.7 MG_Right.....	19
	8.5.8 MG_Right attributes and relationships.....	19
	8.5.9 MG_Responsibility.....	20
	8.5.10 MG_Responsibility attributes and relationships.....	20
	8.5.11 MG_Restriction.....	20
	8.5.12 MG_Restriction attributes and relationships.....	20
	8.5.13 MG_Governance.....	20
	8.5.14 MG_Governance attributes and relationships.....	21

8.6	Party to administrative section	21
8.7	Party to administrative relationships	22
8.7.1	rrrParty relationship	22
8.7.2	baunitAsParty relationship	22
8.8	Spatial unit section	22
8.8.1	General	22
8.8.2	MG_FeatureUnit	24
8.8.3	MG_FeatureUnit attributes and relationships	24
8.8.4	MG_SpatialAttribute	25
8.8.5	MG_SpatialAttribute attributes and relationships	25
8.8.6	MG_AdditionalSpatialInformation	26
8.8.7	MG_AdditionalSpatialInformation attributes and relationships	26
8.8.8	MG_Location	29
8.8.9	MG_Location attributes and relationships	29
8.8.10	MG_Point	30
8.8.11	MG_Point attributes and relationships	30
8.8.12	MG_PointAttributes	30
8.8.13	MG_PointAttributes attributes and relationships	30
8.8.14	locationReference dataType	31
8.8.15	MG_PointAttributes attributes	31
8.8.16	MG_LocationTypeList	31
8.8.17	MG_PointTypeList	31
8.8.18	MG_InterpolationTypeList	32
8.8.19	MG_Limit Spatial Unit Class	32
8.8.20	MG_Limit	32
8.8.21	MG_Limit attributes and relationships	32
8.8.22	MG_Curve	33
8.8.23	MG_Curve attributes and constraints	33
8.8.24	MG_Curve_Attributes	33
8.8.25	MG_Curve_Attributes attributes and constraints	34
8.8.26	MG_ArcGeometryTypeList	34
8.8.27	MG_LimitTypeList	34
8.8.28	MG_Zone Spatial Unit Class	34
8.8.29	MG_Zone	35
8.8.30	MG_Zone attributes and relationships	35
8.8.31	MG_Surface	36
8.8.32	MG_Surface attributes	36
8.8.33	MG_Surface_Attributes	36
8.8.34	MG_ZoneTypeList	37
8.8.35	MG_JurisdictionDomainTypeList	37
8.8.36	LA_SurfaceRelationType	37
8.8.37	LA_AreaType	37
8.8.38	LA_AreaValue	37
8.8.39	MG_Space spatial unit class	37
8.8.40	MG_Space	38
8.8.41	MG_Space attributes and relationships	38
8.8.42	MG_Volume	39
8.8.43	MG_Volume_Attributes attributes	39
8.8.44	MG_SpaceTypeList	40
8.8.45	LA_VolumeValue	40
8.9	Source section	40
8.9.1	Source section general	40
8.9.2	MG_Source	41
8.9.3	MG_Source attributes and relationships	42
8.9.4	LA_AvailabilityStatusType	44
8.9.5	ExtArchive	44
8.9.6	CI_OnlineResource	44
8.9.7	QualityElement	44

8.10	Versioning.....	44
8.10.1	General approach to versioning.....	44
8.10.2	Versioned object.....	45
Annex A	(normative) Abstract test suite.....	46
Annex B	(normative) Marine contexts	47
Bibliography	53