

# Schema documentation for 122\_2.0.0.20251112.xsd

november 12, 2025

## Table of Contents

Namespace: "http://www.ihc.int/S122/2.0" .....	9
Schema(s) .....	9
Main schema 122_2.0.0.20251112.xsd .....	9
Element(s) .....	9
Element bearingInformationType / cardinalDirection .....	9
Element bearingInformationType / distance .....	10
Element bearingInformationType / information .....	10
Element informationType / fileLocator .....	10
Element informationType / fileReference .....	11
Element informationType / headline .....	11
Element informationType / language .....	11
Element informationType / text .....	11
Element bearingInformationType / orientation .....	11
Element orientationType / orientationUncertainty .....	12
Element orientationType / orientationValue .....	12
Element contactAddressType / deliveryPoint .....	12
Element contactAddressType / cityName .....	12
Element contactAddressType / administrativeDivision .....	13
Element contactAddressType / countryName .....	13
Element contactAddressType / postalCode .....	13
Element designationType / designationScheme .....	13
Element designationType / designationIdentifier .....	14
Element designationType / jurisdiction .....	14
Element designationType / text .....	14
Element featureNameType / language .....	14
Element featureNameType / name .....	15
Element featureNameType / nameUsage .....	15
Element fixedDateRangeType / dateStart .....	15
Element fixedDateRangeType / dateEnd .....	16
Element frequencyPairType / frequencyShoreStationReceives .....	17
Element frequencyPairType / frequencyShoreStationTransmits .....	17
Element graphicType / pictorialRepresentation .....	17
Element graphicType / pictureCaption .....	17
Element graphicType / sourceDate .....	17
Element graphicType / pictureInformation .....	18
Element graphicType / bearingInformation .....	18
Element horizontalPositionUncertaintyType / uncertaintyFixed .....	18
Element horizontalPositionUncertaintyType / uncertaintyVariableFactor .....	19
Element onlineResourceType / linkage .....	19
Element onlineResourceType / protocol .....	19
Element onlineResourceType / applicationProfile .....	19
Element onlineResourceType / nameOfResource .....	19
Element onlineResourceType / onlineResourceDescription .....	20
Element onlineResourceType / protocolRequest .....	20
Element onlineResourceType / onlineFunction .....	20
Element periodicDateRangeType / dateStart .....	20
Element periodicDateRangeType / dateEnd .....	21
Element rxNCodeType / categoryOfRxN .....	22
Element rxNCodeType / actionOrActivity .....	22
Element rxNCodeType / headline .....	23
Element scheduleByDayOfWeekType / categoryOfSchedule .....	23
Element scheduleByDayOfWeekType / text .....	24
Element scheduleByDayOfWeekType / timeIntervalsByDayOfWeek .....	24
Element timeIntervalsByDayOfWeekType / dayOfWeek .....	25
Element timeIntervalsByDayOfWeekType / dayOfWeekIsRange .....	25
Element timeIntervalsByDayOfWeekType / timeOfDayStart .....	25
Element timeIntervalsByDayOfWeekType / timeOfDayEnd .....	25
Element spatialAccuracyType / fixedDateRange .....	26
Element spatialAccuracyType / horizontalPositionUncertainty .....	26
Element spatialAccuracyType / verticalUncertainty .....	26

Element verticalUncertaintyType / uncertaintyFixed .....	27
Element verticalUncertaintyType / uncertaintyVariableFactor .....	27
Element sourceIndicationType / categoryOfAuthority .....	27
Element sourceIndicationType / countryName .....	28
Element sourceIndicationType / source .....	28
Element sourceIndicationType / sourceType .....	28
Element sourceIndicationType / reportedDate .....	29
Element sourceIndicationType / featureName .....	29
Element surveyDateRangeType / dateStart .....	29
Element surveyDateRangeType / dateEnd .....	30
Element telecommunicationsType / categoryOfCommunicationPreference .....	31
Element telecommunicationsType / telecommunicationIdentifier .....	31
Element telecommunicationsType / telecommunicationCarrier .....	31
Element telecommunicationsType / contactInstructions .....	31
Element telecommunicationsType / telecommunicationService .....	32
Element textContentType / categoryOfText .....	32
Element textContentType / information .....	33
Element textContentType / onlineResource .....	33
Element textContentType / sourceIndication .....	34
Element vesselMeasurementsSpecificationType / comparisonOperator .....	34
Element vesselMeasurementsSpecificationType / vesselsCharacteristics .....	35
Element vesselMeasurementsSpecificationType / vesselsCharacteristicsValue .....	35
Element vesselMeasurementsSpecificationType / vesselsCharacteristicsUnit .....	35
Element InformationTypeType / featureName .....	36
Element InformationTypeType / fixedDateRange .....	36
Element InformationTypeType / periodicDateRange .....	37
Element InformationTypeType / graphic .....	37
Element InformationTypeType / sourceIndication .....	38
Element AbstractRxNType / categoryOfAuthority .....	38
Element AbstractRxNType / rxNCode .....	38
Element AbstractRxNType / textContent .....	39
Element AbstractRxNType / isApplicableTo .....	39
Element isApplicableToType / InclusionType .....	40
Element InclusionTypeType / membership .....	41
Element AbstractRxNType / theOrganisation .....	41
Element ApplicabilityType / inBallast .....	42
Element ApplicabilityType / categoryOfCargo .....	42
Element ApplicabilityType / categoryOfDangerousOrHazardousCargo .....	43
Element ApplicabilityType / categoryOfVessel .....	43
Element ApplicabilityType / categoryOfVesselRegistry .....	44
Element ApplicabilityType / logicalConnectives .....	44
Element ApplicabilityType / thicknessOfIceCapability .....	45
Element ApplicabilityType / vesselPerformance .....	45
Element ApplicabilityType / destination .....	45
Element ApplicabilityType / information .....	46
Element ApplicabilityType / vesselMeasurementsSpecification .....	46
Element ApplicabilityType / theApplicableRxN .....	46
Element theApplicableRxNType / InclusionType .....	47
Element AuthorityType / categoryOfAuthority .....	48
Element AuthorityType / textContent .....	48
Element AuthorityType / theContactDetails .....	49
Element AuthorityType / organisationRelatedRxN .....	50
Element AuthorityType / theServiceHours .....	50
Element ContactDetailsType / callName .....	51
Element ContactDetailsType / callSign .....	51
Element ContactDetailsType / categoryOfCommunicationPreference .....	51
Element ContactDetailsType / communicationChannel .....	52
Element ContactDetailsType / contactInstructions .....	52
Element ContactDetailsType / language .....	52
Element ContactDetailsType / mMSICode .....	52
Element ContactDetailsType / contactAddress .....	53
Element ContactDetailsType / frequencyPair .....	53
Element ContactDetailsType / information .....	53
Element ContactDetailsType / onlineResource .....	54
Element ContactDetailsType / telecommunications .....	54
Element ContactDetailsType / theAuthority .....	55
Element NonStandardWorkingDayType / dateFixed .....	56
Element NonStandardWorkingDayType / dateVariable .....	56
Element NonStandardWorkingDayType / information .....	56
Element ServiceHoursType / scheduleByDayOfWeek .....	57
Element ServiceHoursType / information .....	57
Element ServiceHoursType / partialWorkingDay .....	58

Element ServiceHoursType / theAuthority_srvHrs .....	59
Element SpatialQualityType / qualityOfHorizontalMeasurement .....	59
Element SpatialQualityType / spatialAccuracy .....	60
Element FeatureTypeType / interoperabilityIdentifier .....	60
Element FeatureTypeType / featureName .....	60
Element FeatureTypeType / fixedDateRange .....	61
Element FeatureTypeType / periodicDateRange .....	61
Element FeatureTypeType / rxNCode .....	61
Element FeatureTypeType / graphic .....	62
Element FeatureTypeType / sourceIndication .....	62
Element FeatureTypeType / textContent .....	63
Element FeatureTypeType / permission .....	63
Element permissionType / PermissionType .....	64
Element PermissionTypeType / categoryOfRelationship .....	65
Element FeatureTypeType / theRxN .....	65
Element FeatureTypeType / theInformation .....	66
Element FeatureTypeType / theCartographicText .....	67
Element InformationAreaType / categoryOfRelationship .....	67
Element InformationAreaType / actionOrActivity .....	68
Element InformationAreaType / geometry .....	68
Element MarineProtectedAreaType / categoryOfMarineProtectedArea .....	69
Element MarineProtectedAreaType / categoryOfRestrictedArea .....	69
Element MarineProtectedAreaType / jurisdiction .....	70
Element MarineProtectedAreaType / restriction .....	70
Element MarineProtectedAreaType / status .....	71
Element MarineProtectedAreaType / designation .....	71
Element MarineProtectedAreaType / responsibleAuthority .....	71
Element MarineProtectedAreaType / geometry .....	72
Element RestrictedAreaType / categoryOfRestrictedArea .....	72
Element RestrictedAreaType / restriction .....	73
Element RestrictedAreaType / status .....	73
Element RestrictedAreaType / geometry .....	74
Element VesselTrafficServiceAreaType / controlAuthority .....	74
Element VesselTrafficServiceAreaType / geometry .....	75
Element DataCoverageType / maximumDisplayScale .....	75
Element DataCoverageType / minimumDisplayScale .....	75
Element DataCoverageType / optimumDisplayScale .....	75
Element DataCoverageType / interoperabilityIdentifier .....	76
Element DataCoverageType / geometry .....	76
Element QualityOfNonBathymetricDataType / categoryOfTemporalVariation .....	76
Element QualityOfNonBathymetricDataType / horizontalDistanceUncertainty .....	77
Element QualityOfNonBathymetricDataType / horizontalPositionUncertainty .....	77
Element QualityOfNonBathymetricDataType / orientationUncertainty .....	77
Element QualityOfNonBathymetricDataType / interoperabilityIdentifier .....	77
Element QualityOfNonBathymetricDataType / sourceIndication .....	78
Element QualityOfNonBathymetricDataType / surveyDateRange .....	78
Element QualityOfNonBathymetricDataType / information .....	78
Element QualityOfNonBathymetricDataType / geometry .....	79
Element TextPlacementType / textOffsetBearing .....	79
Element TextPlacementType / textOffsetDistance .....	79
Element TextPlacementType / textRotation .....	80
Element TextPlacementType / textType .....	80
Element TextPlacementType / scaleMinimum .....	80
Element TextPlacementType / thePositionProvider .....	81
Element TextPlacementType / geometry .....	81
Element Applicability .....	81
Element Authority .....	83
Element ContactDetails .....	85
Element NauticalInformation .....	87
Element NonStandardWorkingDay .....	89
Element Recommendations .....	91
Element Regulations .....	93
Element Restrictions .....	95
Element ServiceHours .....	97
Element SpatialQuality .....	99
Element InformationArea .....	100
Element MarineProtectedArea .....	102
Element RestrictedArea .....	104
Element VesselTrafficServiceArea .....	106
Element DataCoverage .....	108
Element QualityOfNonBathymetricData .....	109
Element TextPlacement .....	111

Element ThisDatasetType / members .....	112
Element Dataset .....	114
Simple Type(s) .....	115
Simple Type codelistTypeType .....	115
Simple Type extraLabelType .....	115
Simple Type extraValueType .....	115
Simple Type administrativeDivisionType .....	115
Simple Type applicationProfileType .....	116
Simple Type callNameType .....	116
Simple Type callSignType .....	116
Simple Type cardinalDirectionLabel .....	116
Simple Type cardinalDirectionCode .....	117
Simple Type bearingInformation_cardinalDirectionLabel .....	117
Simple Type bearingInformation_cardinalDirectionCode .....	118
Simple Type categoryOfAuthorityLabel .....	118
Simple Type categoryOfAuthorityCode .....	119
Simple Type AbstractRxN_categoryOfAuthorityLabel .....	120
Simple Type AbstractRxN_categoryOfAuthorityCode .....	121
Simple Type Authority_categoryOfAuthorityLabel .....	121
Simple Type Authority_categoryOfAuthorityCode .....	122
Simple Type sourceIndication_categoryOfAuthorityLabel .....	123
Simple Type sourceIndication_categoryOfAuthorityCode .....	123
Simple Type categoryOfCargoLabel .....	123
Simple Type categoryOfCargoCode .....	124
Simple Type Applicability_categoryOfCargoLabel .....	125
Simple Type Applicability_categoryOfCargoCode .....	125
Simple Type categoryOfCommunicationPreferenceLabel .....	126
Simple Type categoryOfCommunicationPreferenceCode .....	126
Simple Type ContactDetails_categoryOfCommunicationPreferenceLabel .....	127
Simple Type ContactDetails_categoryOfCommunicationPreferenceCode .....	127
Simple Type telecommunications_categoryOfCommunicationPreferenceLabel .....	127
Simple Type telecommunications_categoryOfCommunicationPreferenceCode .....	128
Simple Type categoryOfDangerousOrHazardousCargoLabel .....	128
Simple Type categoryOfDangerousOrHazardousCargoCode .....	129
Simple Type Applicability_categoryOfDangerousOrHazardousCargoLabel .....	130
Simple Type Applicability_categoryOfDangerousOrHazardousCargoCode .....	131
Simple Type categoryOfRelationshipLabel .....	132
Simple Type categoryOfRelationshipCode .....	132
Simple Type InformationArea_categoryOfRelationshipLabel .....	132
Simple Type InformationArea_categoryOfRelationshipCode .....	133
Simple Type categoryOfRestrictedAreaLabel .....	133
Simple Type categoryOfRestrictedAreaCode .....	134
Simple Type MarineProtectedArea_categoryOfRestrictedAreaLabel .....	134
Simple Type MarineProtectedArea_categoryOfRestrictedAreaCode .....	135
Simple Type RestrictedArea_categoryOfRestrictedAreaLabel .....	136
Simple Type RestrictedArea_categoryOfRestrictedAreaCode .....	136
Simple Type categoryOfScheduleLabel .....	137
Simple Type categoryOfScheduleCode .....	137
Simple Type scheduleByDayOfWeek_categoryOfScheduleLabel .....	138
Simple Type scheduleByDayOfWeek_categoryOfScheduleCode .....	138
Simple Type categoryOfTemporalVariationLabel .....	138
Simple Type categoryOfTemporalVariationCode .....	138
Simple Type QualityOfNonBathymetricData_categoryOfTemporalVariationLabel .....	139
Simple Type QualityOfNonBathymetricData_categoryOfTemporalVariationCode .....	139
Simple Type categoryOfTextLabel .....	139
Simple Type categoryOfTextCode .....	140
Simple Type textContent_categoryOfTextLabel .....	140
Simple Type textContent_categoryOfTextCode .....	140
Simple Type categoryOfVesselRegistryLabel .....	141
Simple Type categoryOfVesselRegistryCode .....	141
Simple Type Applicability_categoryOfVesselRegistryLabel .....	141
Simple Type Applicability_categoryOfVesselRegistryCode .....	142
Simple Type cityNameType .....	142
Simple Type communicationChannelType .....	142
Simple Type comparisonOperatorLabel .....	142
Simple Type comparisonOperatorCode .....	143
Simple Type vesselMeasurementsSpecification_comparisonOperatorLabel .....	143
Simple Type vesselMeasurementsSpecification_comparisonOperatorCode .....	143
Simple Type contactInstructionsType .....	144
Simple Type countryNameType .....	144
Simple Type dateVariableType .....	144
Simple Type dayOfWeekLabel .....	144

Simple Type dayOfWeekCode .....	145
Simple Type timeIntervalsByDayOfWeek_dayOfWeekLabel .....	145
Simple Type timeIntervalsByDayOfWeek_dayOfWeekCode .....	146
Simple Type dayOfWeekIsRangeType .....	146
Simple Type deliveryPointType .....	146
Simple Type designationIdentifierType .....	146
Simple Type designationSchemeType .....	147
Simple Type destinationType .....	147
Simple Type distanceType .....	147
Simple Type fileLocatorType .....	147
Simple Type fileReferenceType .....	148
Simple Type frequencyShoreStationReceivesType .....	148
Simple Type frequencyShoreStationTransmitsType .....	148
Simple Type headlineType .....	148
Simple Type horizontalDistanceUncertaintyType .....	148
Simple Type inBallastType .....	149
Simple Type interoperabilityIdentifierType .....	149
Simple Type jurisdictionLabel .....	149
Simple Type jurisdictionCode .....	149
Simple Type MarineProtectedArea_jurisdictionLabel .....	150
Simple Type MarineProtectedArea_jurisdictionCode .....	150
Simple Type designation_jurisdictionLabel .....	150
Simple Type designation_jurisdictionCode .....	150
Simple Type languageType .....	151
Simple Type linkageType .....	151
Simple Type logicalConnectivesLabel .....	151
Simple Type logicalConnectivesCode .....	152
Simple Type Applicability_logicalConnectivesLabel .....	152
Simple Type Applicability_logicalConnectivesCode .....	152
Simple Type maximumDisplayScaleType .....	152
Simple Type membershipLabel .....	153
Simple Type membershipCode .....	153
Simple Type minimumDisplayScaleType .....	153
Simple Type mMSICodeType .....	153
Simple Type nameType .....	154
Simple Type nameOfResourceType .....	154
Simple Type nameUsageLabel .....	154
Simple Type nameUsageCode .....	154
Simple Type featureName_nameUsageLabel .....	155
Simple Type featureName_nameUsageCode .....	155
Simple Type onlineFunctionLabel .....	155
Simple Type onlineFunctionCode .....	156
Simple Type onlineResource_onlineFunctionLabel .....	156
Simple Type onlineResource_onlineFunctionCode .....	157
Simple Type onlineResourceDescriptionType .....	157
Simple Type optimumDisplayScaleType .....	157
Simple Type orientationUncertaintyType .....	158
Simple Type orientationValueType .....	158
Simple Type pictorialRepresentationType .....	158
Simple Type pictureCaptionType .....	158
Simple Type pictureInformationType .....	158
Simple Type postalCodeType .....	159
Simple Type protocolType .....	159
Simple Type protocolRequestType .....	159
Simple Type qualityOfHorizontalMeasurementLabel .....	159
Simple Type qualityOfHorizontalMeasurementCode .....	160
Simple Type SpatialQuality_qualityOfHorizontalMeasurementLabel .....	161
Simple Type SpatialQuality_qualityOfHorizontalMeasurementCode .....	161
Simple Type restrictionLabel .....	162
Simple Type restrictionCode .....	163
Simple Type MarineProtectedArea_restrictionLabel .....	164
Simple Type MarineProtectedArea_restrictionCode .....	165
Simple Type RestrictedArea_restrictionLabel .....	167
Simple Type RestrictedArea_restrictionCode .....	168
Simple Type scaleMinimumType .....	169
Simple Type sourceType .....	169
Simple Type sourceDateType .....	169
Simple Type sourceTypeLabel .....	169
Simple Type sourceTypeCode .....	170
Simple Type sourceIndication_sourceTypeLabel .....	170
Simple Type sourceIndication_sourceTypeCode .....	171
Simple Type statusLabel .....	171

Simple Type statusCode .....	172
Simple Type MarineProtectedAreaStatusLabel .....	172
Simple Type MarineProtectedAreaStatusCode .....	173
Simple Type RestrictedAreaStatusLabel .....	173
Simple Type RestrictedAreaStatusCode .....	174
Simple Type telecommunicationCarrierType .....	174
Simple Type telecommunicationIdentifierType .....	174
Simple Type telecommunicationServiceLabel .....	175
Simple Type telecommunicationServiceCode .....	175
Simple Type telecommunications_telecommunicationServiceLabel .....	176
Simple Type telecommunications_telecommunicationServiceCode .....	176
Simple Type textType .....	177
Simple Type textOffsetBearingType .....	177
Simple Type textOffsetDistanceType .....	177
Simple Type textRotationType .....	177
Simple Type textTypeLabel .....	178
Simple Type textTypeCode .....	178
Simple Type TextPlacement_textTypeLabel .....	178
Simple Type TextPlacement_textTypeCode .....	178
Simple Type thicknessOfIceCapabilityType .....	178
Simple Type timeOfDayEndType .....	179
Simple Type timeOfDayStartType .....	179
Simple Type uncertaintyFixedType .....	179
Simple Type uncertaintyVariableFactorType .....	179
Simple Type vesselPerformanceType .....	180
Simple Type vesselsCharacteristicsLabel .....	180
Simple Type vesselsCharacteristicsCode .....	181
Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsLabel .....	182
Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsCode .....	182
Simple Type vesselsCharacteristicsUnitLabel .....	183
Simple Type vesselsCharacteristicsUnitCode .....	184
Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel .....	185
Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode .....	186
Simple Type vesselsCharacteristicsValueType .....	187
Simple Type actionOrActivityLabel_Union .....	187
Simple Type actionOrActivityCode .....	187
Simple Type actionOrActivityLabel .....	189
Simple Type InformationArea_actionOrActivityCode .....	190
Simple Type InformationArea_actionOrActivityLabel .....	190
Simple Type rxNCode_actionOrActivityLabel .....	190
Simple Type rxNCode_actionOrActivityCode .....	191
Simple Type categoryOfMarineProtectedAreaLabel_Union .....	192
Simple Type categoryOfMarineProtectedAreaCode .....	192
Simple Type categoryOfMarineProtectedAreaLabel .....	193
Simple Type MarineProtectedArea_categoryOfMarineProtectedAreaCode .....	193
Simple Type MarineProtectedArea_categoryOfMarineProtectedAreaLabel .....	193
Simple Type categoryOfRxNLabel_Union .....	194
Simple Type categoryOfRxNCode .....	194
Simple Type categoryOfRxNLabel .....	195
Simple Type rxNCode_categoryOfRxNLabel .....	195
Simple Type rxNCode_categoryOfRxNCode .....	196
Simple Type categoryOfVesselLabel_Union .....	196
Simple Type categoryOfVesselCode .....	197
Simple Type categoryOfVesselLabel .....	197
Simple Type Applicability_categoryOfVesselCode .....	198
Simple Type Applicability_categoryOfVesselLabel .....	199
Complex Type(s) .....	200
Complex Type cardinalDirectionType .....	200
Complex Type bearingInformation_cardinalDirectionType .....	200
Complex Type categoryOfAuthorityType .....	200
Complex Type AbstractRxN_categoryOfAuthorityType .....	201
Complex Type Authority_categoryOfAuthorityType .....	201
Complex Type sourceIndication_categoryOfAuthorityType .....	201
Complex Type categoryOfCargoType .....	202
Complex Type Applicability_categoryOfCargoType .....	202
Complex Type categoryOfCommunicationPreferenceType .....	203
Complex Type ContactDetails_categoryOfCommunicationPreferenceType .....	203
Complex Type telecommunications_categoryOfCommunicationPreferenceType .....	203
Complex Type categoryOfDangerousOrHazardousCargoType .....	204
Complex Type Applicability_categoryOfDangerousOrHazardousCargoType .....	204
Complex Type categoryOfRelationshipType .....	204
Complex Type InformationArea_categoryOfRelationshipType .....	205

Complex Type categoryOfRestrictedAreaType .....	205
Complex Type MarineProtectedArea_categoryOfRestrictedAreaType .....	206
Complex Type RestrictedArea_categoryOfRestrictedAreaType .....	206
Complex Type categoryOfScheduleType .....	206
Complex Type scheduleByDayOfWeek_categoryOfScheduleType .....	207
Complex Type categoryOfTemporalVariationType .....	207
Complex Type QualityOfNonBathymetricData_categoryOfTemporalVariationType .....	207
Complex Type categoryOfTextType .....	208
Complex Type textContent_categoryOfTextType .....	208
Complex Type categoryOfVesselRegistryType .....	209
Complex Type Applicability_categoryOfVesselRegistryType .....	209
Complex Type comparisonOperatorType .....	209
Complex Type vesselMeasurementsSpecification_comparisonOperatorType .....	210
Complex Type dateEndType .....	210
Complex Type dateFixedType .....	210
Complex Type dateStartType .....	211
Complex Type dayOfWeekType .....	211
Complex Type timeIntervalsByDayOfWeek_dayOfWeekType .....	212
Complex Type jurisdictionType .....	212
Complex Type MarineProtectedArea_jurisdictionType .....	212
Complex Type designation_jurisdictionType .....	213
Complex Type logicalConnectivesType .....	213
Complex Type Applicability_logicalConnectivesType .....	214
Complex Type membershipType .....	214
Complex Type nameUsageType .....	214
Complex Type featureName_nameUsageType .....	215
Complex Type onlineFunctionType .....	215
Complex Type onlineResource_onlineFunctionType .....	216
Complex Type qualityOfHorizontalMeasurementType .....	216
Complex Type SpatialQuality_qualityOfHorizontalMeasurementType .....	216
Complex Type reportedDateType .....	217
Complex Type restrictionType .....	217
Complex Type MarineProtectedArea_restrictionType .....	217
Complex Type RestrictedArea_restrictionType .....	218
Complex Type sourceTypeType .....	218
Complex Type sourceIndication_sourceTypeType .....	219
Complex Type statusType .....	219
Complex Type MarineProtectedArea_statusType .....	219
Complex Type RestrictedArea_statusType .....	220
Complex Type telecommunicationServiceType .....	220
Complex Type telecommunications_telecommunicationServiceType .....	220
Complex Type textTypeType .....	221
Complex Type TextPlacement_textTypeType .....	221
Complex Type vesselsCharacteristicsType .....	222
Complex Type vesselMeasurementsSpecification_vesselsCharacteristicsType .....	222
Complex Type vesselsCharacteristicsUnitType .....	222
Complex Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitType .....	223
Complex Type actionOrActivityType .....	223
Complex Type InformationArea_actionOrActivityType .....	224
Complex Type rxNCode_actionOrActivityType .....	224
Complex Type categoryOfMarineProtectedAreaType .....	224
Complex Type MarineProtectedArea_categoryOfMarineProtectedAreaType .....	225
Complex Type categoryOfRxNType .....	225
Complex Type rxNCode_categoryOfRxNType .....	226
Complex Type categoryOfVesselType .....	226
Complex Type Applicability_categoryOfVesselType .....	227
Complex Type bearingInformationType .....	227
Complex Type informationType .....	228
Complex Type orientationType .....	228
Complex Type contactAddressType .....	228
Complex Type designationType .....	229
Complex Type featureNameType .....	229
Complex Type fixedDateRangeType .....	229
Complex Type frequencyPairType .....	230
Complex Type graphicType .....	230
Complex Type horizontalPositionUncertaintyType .....	230
Complex Type onlineResourceType .....	231
Complex Type periodicDateRangeType .....	231
Complex Type rxNCodeType .....	231
Complex Type scheduleByDayOfWeekType .....	231
Complex Type timeIntervalsByDayOfWeekType .....	232
Complex Type spatialAccuracyType .....	232

Complex Type verticalUncertaintyType .....	232
Complex Type sourceIndicationType .....	233
Complex Type surveyDateRangeType .....	233
Complex Type telecommunicationsType .....	233
Complex Type textContentType .....	234
Complex Type vesselMeasurementsSpecificationType .....	234
Complex Type InformationTypeType .....	234
Complex Type AbstractRxNType .....	235
Complex Type isApplicableToType .....	237
Complex Type InclusionTypeType .....	237
Complex Type ApplicabilityType .....	238
Complex Type theApplicableRxNType .....	240
Complex Type AuthorityType .....	241
Complex Type ContactDetailsType .....	243
Complex Type NauticalInformationType .....	245
Complex Type NonStandardWorkingDayType .....	247
Complex Type RecommendationsType .....	249
Complex Type RegulationsType .....	251
Complex Type RestrictionsType .....	253
Complex Type ServiceHoursType .....	255
Complex Type SpatialQualityType .....	257
Complex Type FeatureTypeType .....	258
Complex Type permissionType .....	259
Complex Type PermissionTypeType .....	260
Complex Type InformationAreaType .....	260
Complex Type MarineProtectedAreaType .....	262
Complex Type RestrictedAreaType .....	264
Complex Type VesselTrafficServiceAreaType .....	266
Complex Type DataCoverageType .....	268
Complex Type QualityOfNonBathymetricDataType .....	269
Complex Type TextPlacementType .....	271
Complex Type ThisDatasetType .....	272
Element Group(s) .....	273
Element Group MemberObjects .....	273
Namespace: "" .....	274
Attribute(s) .....	274
Attribute cardinalDirectionType / @code .....	274
Attribute bearingInformation_cardinalDirectionType / @code .....	274
Attribute categoryOfAuthorityType / @code .....	275
Attribute AbstractRxN_categoryOfAuthorityType / @code .....	275
Attribute Authority_categoryOfAuthorityType / @code .....	276
Attribute sourceIndication_categoryOfAuthorityType / @code .....	277
Attribute categoryOfCargoType / @code .....	277
Attribute Applicability_categoryOfCargoType / @code .....	278
Attribute categoryOfCommunicationPreferenceType / @code .....	278
Attribute ContactDetails_categoryOfCommunicationPreferenceType / @code .....	279
Attribute telecommunications_categoryOfCommunicationPreferenceType / @code .....	279
Attribute categoryOfDangerousOrHazardousCargoType / @code .....	279
Attribute Applicability_categoryOfDangerousOrHazardousCargoType / @code .....	280
Attribute categoryOfRelationshipType / @code .....	281
Attribute InformationArea_categoryOfRelationshipType / @code .....	281
Attribute categoryOfRestrictedAreaType / @code .....	281
Attribute MarineProtectedArea_categoryOfRestrictedAreaType / @code .....	282
Attribute RestrictedArea_categoryOfRestrictedAreaType / @code .....	283
Attribute categoryOfScheduleType / @code .....	284
Attribute scheduleByDayOfWeek_categoryOfScheduleType / @code .....	284
Attribute categoryOfTemporalVariationType / @code .....	284
Attribute QualityOfNonBathymetricData_categoryOfTemporalVariationType / @code .....	284
Attribute categoryOfTextType / @code .....	285
Attribute textContent_categoryOfTextType / @code .....	285
Attribute categoryOfVesselRegistryType / @code .....	285
Attribute Applicability_categoryOfVesselRegistryType / @code .....	285
Attribute comparisonOperatorType / @code .....	286
Attribute vesselMeasurementsSpecification_comparisonOperatorType / @code .....	286
Attribute dayOfWeekType / @code .....	286
Attribute timeIntervalsByDayOfWeek_dayOfWeekType / @code .....	287
Attribute jurisdictionType / @code .....	287
Attribute MarineProtectedArea_jurisdictionType / @code .....	287
Attribute designation_jurisdictionType / @code .....	287
Attribute logicalConnectivesType / @code .....	288
Attribute Applicability_logicalConnectivesType / @code .....	288
Attribute membershipType / @code .....	288

Attribute nameUsageType / @code .....	288
Attribute featureName_nameUsageType / @code .....	289
Attribute onlineFunctionType / @code .....	289
Attribute onlineResource_onlineFunctionType / @code .....	289
Attribute qualityOfHorizontalMeasurementType / @code .....	290
Attribute SpatialQuality_qualityOfHorizontalMeasurementType / @code .....	290
Attribute restrictionType / @code .....	291
Attribute MarineProtectedArea_restrictionType / @code .....	292
Attribute RestrictedArea_restrictionType / @code .....	293
Attribute sourceTypeType / @code .....	295
Attribute sourceIndication_sourceTypeType / @code .....	295
Attribute statusType / @code .....	296
Attribute MarineProtectedArea_statusType / @code .....	296
Attribute RestrictedArea_statusType / @code .....	296
Attribute telecommunicationServiceType / @code .....	297
Attribute telecommunications_telecommunicationServiceType / @code .....	297
Attribute textTypeType / @code .....	298
Attribute TextPlacement_textTypeType / @code .....	298
Attribute vesselsCharacteristicsType / @code .....	298
Attribute vesselMeasurementsSpecification_vesselsCharacteristicsType / @code .....	299
Attribute vesselsCharacteristicsUnitType / @code .....	300
Attribute vesselMeasurementsSpecification_vesselsCharacteristicsUnitType / @code .....	301
Attribute actionOrActivityType / @code .....	302
Attribute actionOrActivityType / @codelistType .....	303
Attribute actionOrActivityType / @otherValue .....	303
Attribute InformationArea_actionOrActivityType / @code .....	304
Attribute rxNCode_actionOrActivityType / @code .....	304
Attribute categoryOfMarineProtectedAreaType / @code .....	305
Attribute categoryOfMarineProtectedAreaType / @codelistType .....	305
Attribute categoryOfMarineProtectedAreaType / @otherValue .....	305
Attribute MarineProtectedArea_categoryOfMarineProtectedAreaType / @code .....	306
Attribute categoryOfRxNType / @code .....	306
Attribute categoryOfRxNType / @codelistType .....	307
Attribute categoryOfRxNType / @otherValue .....	307
Attribute rxNCode_categoryOfRxNType / @code .....	307
Attribute categoryOfVesselType / @code .....	307
Attribute categoryOfVesselType / @codelistType .....	308
Attribute categoryOfVesselType / @otherValue .....	308
Attribute Applicability_categoryOfVesselType / @code .....	309

## Namespace: "http://www.ih0.int/S122/2.0"

### Schema(s)

#### Main schema 122\_2.0.0.20251112.xsd

Namespace	http://www.ih0.int/S122/2.0
Properties	attribute form default: unqualified element form default: qualified version: 2.0.0-20251112

### Element(s)

#### Element bearingInformationType / cardinalDirection

Namespace	http://www.ih0.int/S122/2.0
Diagram	<pre> classDiagram     cardinalDirection &lt; -- bearingInformation_cardinalDirectionType     cardinalDirection &lt; -- bearingInformation_cardinalDirectionLabel     cardinalDirection &lt; -- Attributes     cardinalDirection &lt; -- code   </pre> <p>The diagram illustrates the structure of the <code>cardinalDirection</code> element. It is defined as a type of <code>bearingInformation_cardinalDirectionType</code>. It includes a <code>cardinalDirectionLabel</code> attribute, which is constrained by a list of restricted values. Additionally, it features a <code>code</code> attribute, also subject to restricted values.</p>

Type	bearingInformation_cardinalDirectionType		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• bearingInformation_cardinalDirectionLabel</li> <li>• bearingInformation_cardinalDirectionType</li> </ul> </li> </ul>		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Attributes	QName	Type	Use
	code	bearingInformation_cardinalDirectionCode	required

### Element bearingInformationType / distance

Namespace	http://www.ih0.int/S122/2.0
Diagram	<p>A UML class diagram fragment. On the left, there is a box labeled "distance" with "Type" and "distanceType" below it. A line connects "distanceType" to another box labeled "distanceType" with "Type" and "distanceType" below it. A callout box points to the second "distanceType" box with the text: "A numeric measure of the spatial separation between two locations."</p>
Type	distanceType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

### Element bearingInformationType / information

Namespace	http://www.ih0.int/S122/2.0
Diagram	<p>A UML class diagram fragment. On the left, there is a box labeled "information" with "Type" and "informationType" below it. A line connects "informationType" to another box labeled "informationType" with "Type" and "informationType" below it. A callout box points to the second "informationType" box with the text: "Textual information about the feature. The information may be provided as a string of text or as a file name of a..."</p>
Type	informationType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

### Element informationType / fileLocator

Namespace	http://www.ih0.int/S122/2.0
Diagram	<p>A UML class diagram fragment. On the left, there is a box labeled "fileLocator" with "Type" and "fileLocatorType" below it. A line connects "fileLocatorType" to another box labeled "fileLocatorType" with "Type" and "fileLocatorType" below it. A callout box points to the second "fileLocatorType" box with the text: "The location of a fragment of text or other information in a support file."</p>

Type	fileLocatorType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element informationType / fileReference

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class fileReference {         &lt;&lt;fileReferenceType&gt;&gt;     }     fileReference &lt; -- fileReferenceType     fileReferenceType &lt;--&gt; "The file name of an externally referenced text file"   </pre>						
Type	fileReferenceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element informationType / headline

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class headline {         &lt;&lt;lineType&gt;&gt;     }     headline &lt; -- headlineType     headlineType &lt;--&gt; "Words set at the head of a passage or page to introduce or categorize."   </pre>						
Type	headlineType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

### Element informationType / language

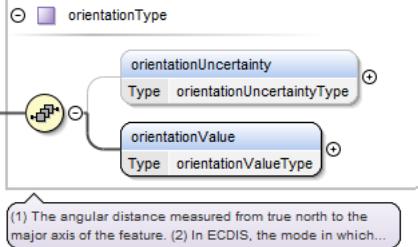
Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class language {         &lt;&lt;languageType&gt;&gt;     }     language &lt; -- languageType     languageType &lt;--&gt; "The method of human communication, either spoken or written, consisting of the use of words in a structured and..."   </pre>						
Type	languageType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element informationType / text

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class text {         &lt;&lt;textType&gt;&gt;     }     text &lt; -- textType     textType &lt;--&gt; "A non-formatted digital text string."   </pre>						
Type	textType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element bearingInformationType / orientation

Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	orientationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	orientationUncertainty{0,1} , orientationValue						

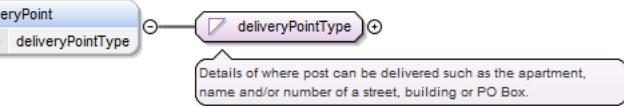
### Element orientationType / orientationUncertainty

Namespace	http://www.ihoint/S122/2.0						
Diagram							
Type	orientationUncertaintyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element orientationType / orientationValue

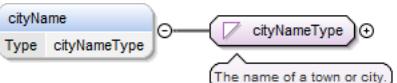
Namespace	http://www.ihoint/S122/2.0								
Diagram									
Type	orientationValueType								
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

### Element contactAddressType / deliveryPoint

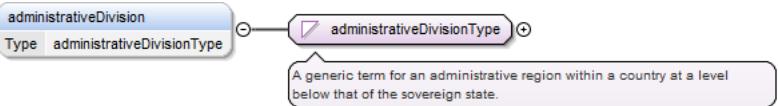
Namespace	http://www.ihoint/S122/2.0						
Diagram							
Type	deliveryPointType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element contactAddressType / cityName

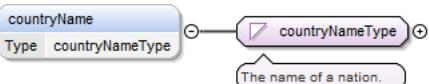
Namespace	http://www.ihoint/S122/2.0
-----------	----------------------------

Diagram							
Type	cityNameType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

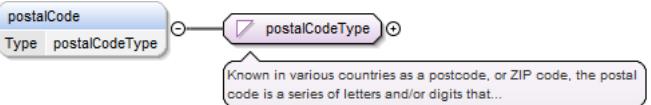
### Element contactAddressType / administrativeDivision

Namespace	http://www.aho.int/S122/2.0						
Diagram							
Type	administrativeDivisionType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element contactAddressType / countryName

Namespace	http://www.aho.int/S122/2.0						
Diagram							
Type	countryNameType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element contactAddressType / postalCode

Namespace	http://www.aho.int/S122/2.0						
Diagram							
Type	postalCodeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element designationType / designationScheme

Namespace	http://www.aho.int/S122/2.0		
Diagram			
Type	designationSchemeType		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

minOccurs:	0
maxOccurs:	1

### Element designationType / designationIdentifier

Namespace	http://www.aho.int/S122/2.0						
Diagram	<p>The diagram shows a UML class named 'designationIdentifierType' with a multiplicity of 0..1. It has a dependency relationship with another class named 'designationIdentifier'. A callout box indicates that 'designationIdentifierType' is 'An identifier which is an instance of a particular, named scheme'.</p>						
Type	designationIdentifierType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element designationType / jurisdiction

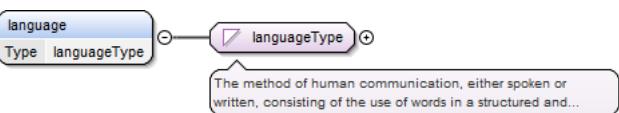
Namespace	http://www.aho.int/S122/2.0								
Diagram	<p>The diagram shows a UML class named 'designation_jurisdictionType' with a multiplicity of 0..1. It has a dependency relationship with another class named 'jurisdiction'. A callout box indicates that 'designation_jurisdictionType' is 'Restricted values of designation/jurisdiction'. Another callout box indicates that 'jurisdiction' has attributes 'designation_jurisdictionLabel' and 'designation_jurisdictionCode', both of which are 'Restricted values of jurisdiction in designation'.</p>								
Type	designation_jurisdictionType								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string             <ul style="list-style-type: none"> <li>• designation_jurisdictionLabel</li> <li>• designation_jurisdictionType</li> </ul> </li> </ul>								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1		
content:	complex								
minOccurs:	0								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>designation_jurisdictionCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	designation_jurisdictionCode	required	
QName	Type	Use							
code	designation_jurisdictionCode	required							

### Element designationType / text

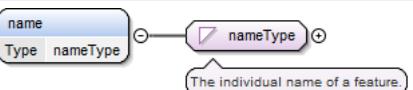
Namespace	http://www.aho.int/S122/2.0						
Diagram	<p>The diagram shows a UML class named 'textType' with a multiplicity of 0..1. It has a dependency relationship with another class named 'text'. A callout box indicates that 'textType' is 'A non-formatted digital text string'.</p>						
Type	textType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element featureNameType / language

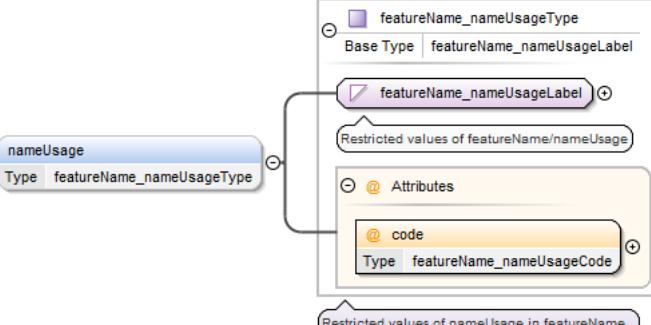
Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram									
Type	languageType								
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> <tr> <td>nillable:</td><td>true</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

### Element featureNameType / name

Namespace	http://www.aho.int/S122/2.0								
Diagram									
Type	nameType								
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> <tr> <td>nillable:</td><td>true</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

### Element featureNameType / nameUsage

Namespace	http://www.aho.int/S122/2.0						
Diagram							
Type	featureName_nameUsageType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• featureName_nameUsageLabel</li> <li>• featureName_nameUsageType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>featureName_nameUsageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	featureName_nameUsageCode	required
QName	Type	Use					
code	featureName_nameUsageCode	required					

### Element fixedDateRangeType / dateStart

Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     dateStartType &lt; -- S100:S100_TrimmedDate     S100:S100_TrimmedDate &lt; -- S100:S100_TrimmedDate     S100:S100_TrimmedDate &lt; -- gDay     S100:S100_TrimmedDate &lt; -- gMonth     S100:S100_TrimmedDate &lt; -- gYear     S100:S100_TrimmedDate &lt; -- gMonthDay     S100:S100_TrimmedDate &lt; -- gYearMonth     S100:S100_TrimmedDate &lt; -- date   </pre>						
Type	dateStartType						
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TrimmedDate           <ul style="list-style-type: none"> <li>• dateStartType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date						

### Element **fixedDateRangeType / dateEnd**

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     dateEndType &lt; -- S100:S100_TrimmedDate     S100:S100_TrimmedDate &lt; -- S100:S100_TrimmedDate     S100:S100_TrimmedDate &lt; -- gDay     S100:S100_TrimmedDate &lt; -- gMonth     S100:S100_TrimmedDate &lt; -- gYear     S100:S100_TrimmedDate &lt; -- gMonthDay     S100:S100_TrimmedDate &lt; -- gYearMonth     S100:S100_TrimmedDate &lt; -- date   </pre>						
Type	dateEndType						
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TrimmedDate           <ul style="list-style-type: none"> <li>• dateEndType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date						

### Element frequencyPairType / frequencyShoreStationReceives

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	frequencyShoreStationReceivesType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	minExclusive 0

### Element frequencyPairType / frequencyShoreStationTransmits

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	frequencyShoreStationTransmitsType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Facets	minExclusive 0

### Element graphicType / pictorialRepresentation

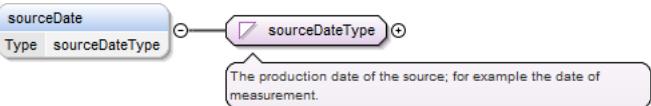
Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	pictorialRepresentationType
Properties	content: simple minOccurs: 1 maxOccurs: unbounded nillable: true

### Element graphicType / pictureCaption

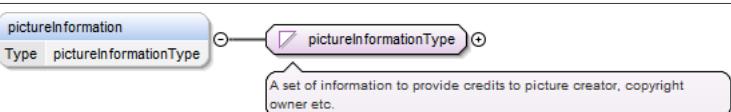
Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	pictureCaptionType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element graphicType / sourceDate

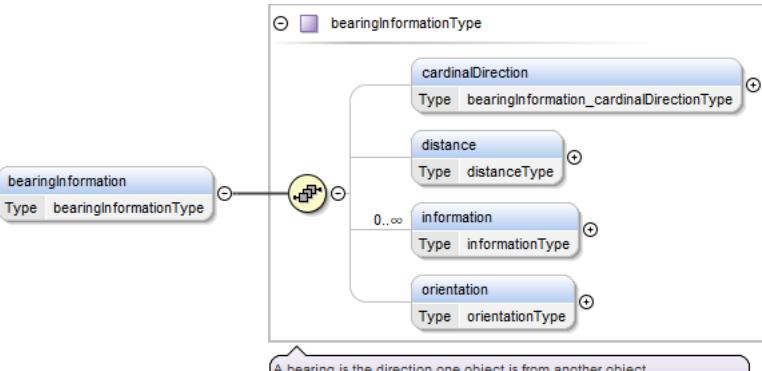
Namespace	http://www.ihc.int/S122/2.0

Diagram							
Type	sourceDateType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

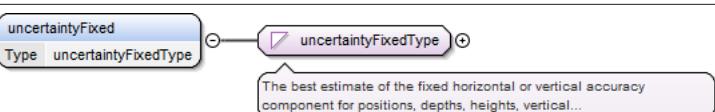
### Element graphicType / pictureInformation

Namespace	http://www.aho.int/S122/2.0						
Diagram							
Type	pictureInformationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element graphicType / bearingInformation

Namespace	http://www.aho.int/S122/2.0						
Diagram							
Type	bearingInformationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	cardinalDirection{0,1} , distance{0,1} , information* , orientation{0,1}						

### Element horizontalPositionUncertaintyType / uncertaintyFixed

Namespace	http://www.aho.int/S122/2.0								
Diagram									
Type	uncertaintyFixedType								
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

### **Element horizontalPositionUncertaintyType / uncertaintyVariableFactor**

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	uncertaintyVariableFactorType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### **Element onlineResourceType / linkage**

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	linkageType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true

### **Element onlineResourceType / protocol**

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	protocolType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### **Element onlineResourceType / applicationProfile**

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	applicationProfileType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### **Element onlineResourceType / nameOfResource**

Namespace	http://www.ihc.int/S122/2.0
Diagram	
Type	nameOfResourceType

Properties	content: simple minOccurs: 0 maxOccurs: 1
------------	---

### Element onlineResourceType / onlineResourceDescription

Namespace	http://www.ih0.int/S122/2.0
Diagram	<pre> classDiagram     class onlineResourceDescription {         &lt;&lt;onlineResourceDescriptionType&gt;&gt;     }     onlineResourceDescription "0..1" -- "1..1" onlineResourceDescriptionType     note over onlineResourceDescriptionType: Detailed text description of what the online resource is/does (ISO 19115)   </pre>
Type	onlineResourceDescriptionType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element onlineResourceType / protocolRequest

Namespace	http://www.ih0.int/S122/2.0
Diagram	<pre> classDiagram     class protocolRequest {         &lt;&lt;protocolRequestType&gt;&gt;     }     protocolRequest "0..1" -- "1..1" protocolRequestType     note over protocolRequestType: Request used to access the resource. Structure and content depend on the protocol and standard used by the online...   </pre>
Type	protocolRequestType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element onlineResourceType / onlineFunction

Namespace	http://www.ih0.int/S122/2.0						
Diagram	<pre> classDiagram     class onlineFunction {         &lt;&lt;onlineResource_onlineFunctionType&gt;&gt;     }     onlineFunction "0..1" -- "1..1" onlineResource_onlineFunctionType     onlineResource_onlineFunctionType "0..1" -- "1..1" onlineResource_onlineFunctionLabel     onlineResource_onlineFunctionLabel "0..1" -- "1..1" code     note over onlineResource_onlineFunctionType: Base Type   onlineResource_onlineFunctionLabel     note over onlineResource_onlineFunctionLabel: Restricted values of onlineResource/onlineFunction     note over code: Attributes     note over code: @ code     note over code: Type   onlineResource_onlineFunctionCode     note over code: Restricted values of onlineFunction in onlineResource   </pre>						
Type	onlineResource_onlineFunctionType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• onlineResource_onlineFunctionLabel</li> <li>• onlineResource_onlineFunctionType</li> </ul> </li> </ul>						
Properties	content: complex minOccurs: 0 maxOccurs: 1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>onlineResource_onlineFunctionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	onlineResource_onlineFunctionCode	required
QName	Type	Use					
code	onlineResource_onlineFunctionCode	required					

### Element periodicDateRangeType / dateStart

Namespace	http://www.ih0.int/S122/2.0
-----------	-----------------------------

Diagram	<p>The diagram shows the UML class <code>dateStartType</code> which is a base type for <code>S100:S100_TrimmedDate</code>. This class has an association with the element <code>dateStart</code> of type <code>dateStartType</code>. The <code>S100:S100_TrimmedDate</code> class is an extension base for several built-in date types from W3C XML schema: <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>. A callout box indicates that this is the earliest date on which an object (e.g., a buoy) will be present.</p>								
Type	<code>dateStartType</code>								
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>S100_TrimmedDate</code> <ul style="list-style-type: none"> <li>• <code>dateStartType</code></li> </ul> </li> </ul>								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">nillable:</td><td style="padding: 2px;">true</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Model	<code>gDay</code>   <code>gMonth</code>   <code>gYear</code>   <code>gMonthDay</code>   <code>gYearMonth</code>   <code>date</code>								

### Element `periodicDateRangeType` / `dateEnd`

Namespace	http://www.ihc.int/S122/2.0								
Diagram	<p>The diagram shows the UML class <code>dateEndType</code> which is a base type for <code>S100:S100_TrimmedDate</code>. This class has an association with the element <code>dateEnd</code> of type <code>dateEndType</code>. The <code>S100:S100_TrimmedDate</code> class is an extension base for several built-in date types from W3C XML schema: <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>. A callout box indicates that this is the latest date on which an object (e.g., a buoy) will be present.</p>								
Type	<code>dateEndType</code>								
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>S100_TrimmedDate</code> <ul style="list-style-type: none"> <li>• <code>dateEndType</code></li> </ul> </li> </ul>								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">nillable:</td><td style="padding: 2px;">true</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date
-------	---

## Element rxNCodeType / categoryOfRxN

Namespace	http://www.ihc.int/S122/2.0																				
Diagram	<pre> classDiagram     class categoryOfRxN {         &lt;&lt;Type categoryOfRxNType&gt;&gt;     }     class categoryOfRxNLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codelist values.&gt;&gt;     }     class Attributes {         &lt;&lt;@ Attributes&gt;&gt;         code: categoryOfRxNCode         codelistType: codelistTypeType         otherValue: extraValueType     }     class categoryOfRxNType {         &lt;&lt;Base Type categoryOfRxNLabel_Union&gt;&gt;     }      categoryOfRxN "1" --&gt; categoryOfRxNLabel_Union     categoryOfRxNLabel_Union "1" --&gt; Attributes     categoryOfRxNLabel_Union "1" --&gt; categoryOfRxNType   </pre> <p>The principal subject matter of regulations, restrictions, recommendations or nautical information.</p> <p>Only if an "extra" value is encoded</p>																				
Type	categoryOfRxNType																				
Type hierarchy	<ul style="list-style-type: none"> <li>xs:anySimpleType           <ul style="list-style-type: none"> <li>categoryOfRxNLabel_Union</li> <li>categoryOfRxNType</li> </ul> </li> </ul>																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfRxNCode</td> <td></td> <td>optional</td> </tr> <tr> <td>codelistType</td> <td>codelistTypeType</td> <td>openEnumeration</td> <td>optional</td> </tr> <tr> <td>otherValue</td> <td>extraValueType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>Only if an "extra" value is encoded</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Use	code	categoryOfRxNCode		optional	codelistType	codelistTypeType	openEnumeration	optional	otherValue	extraValueType		optional		Only if an "extra" value is encoded		
QName	Type	Fixed	Use																		
code	categoryOfRxNCode		optional																		
codelistType	codelistTypeType	openEnumeration	optional																		
otherValue	extraValueType		optional																		
	Only if an "extra" value is encoded																				

## Element rxNCodeType / actionOrActivity

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

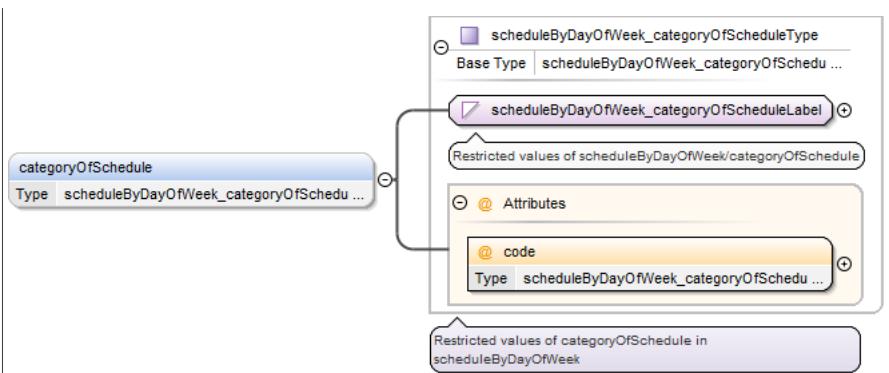
Diagram	<pre> classDiagram     class actionOrActivity {         &lt;&lt;actionOrActivityType&gt;&gt;     }     class actionOrActivityType {         &lt;&lt;Base Type   actionOrActivityLabel_Union&gt;&gt;     }     class actionOrActivityLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codelist values.&gt;&gt;     }     class Attributes {         @code         @codelistType         @otherValue     }     class actionOrActivityCode     class codelistTypeType {         Fixed openEnumeration     }     class extraValueType   </pre> <p>The action or activity of a vessel.</p>																				
Type	actionOrActivityType																				
Type hierarchy	<ul style="list-style-type: none"> <li>xs:anySimpleType           <ul style="list-style-type: none"> <li>actionOrActivityLabel_Union</li> <li>actionOrActivityType</li> </ul> </li> </ul>																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
maxOccurs:	1																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>actionOrActivityCode</td> <td></td> <td>optional</td> </tr> <tr> <td>codelistType</td> <td>codelistTypeType</td> <td>openEnumeration</td> <td>optional</td> </tr> <tr> <td>otherValue</td> <td>extraValueType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>Only if an "extra" value is encoded</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Use	code	actionOrActivityCode		optional	codelistType	codelistTypeType	openEnumeration	optional	otherValue	extraValueType		optional		Only if an "extra" value is encoded		
QName	Type	Fixed	Use																		
code	actionOrActivityCode		optional																		
codelistType	codelistTypeType	openEnumeration	optional																		
otherValue	extraValueType		optional																		
	Only if an "extra" value is encoded																				

### Element rxNCodeType / headline

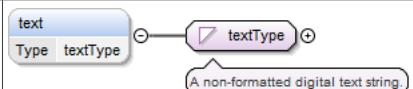
Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class headline {         &lt;&lt;headlineType&gt;&gt;     }     class headlineType {         &lt;&lt;Words set at the head of a passage or page to introduce or categorize.&gt;&gt;     }   </pre>						
Type	headlineType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element scheduleByDayOfWeekType / categoryOfSchedule

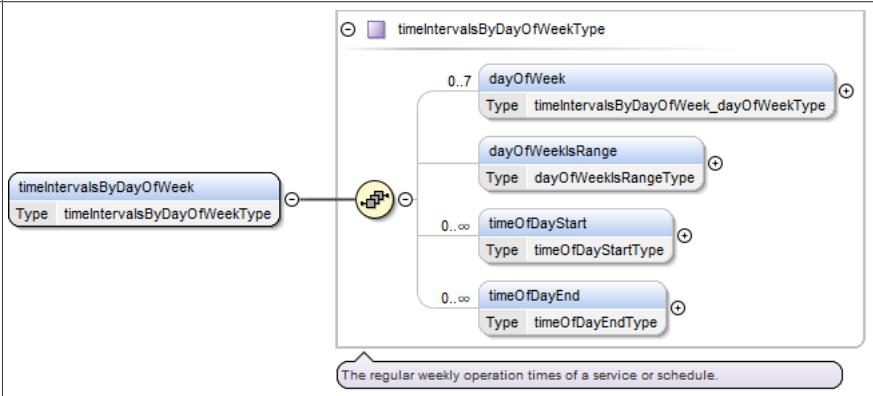
Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	scheduleByDayOfWeek_categoryOfScheduleType						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>scheduleByDayOfWeek_categoryOfScheduleLabel</li> <li>scheduleByDayOfWeek_categoryOfScheduleType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>scheduleByDayOfWeek_categoryOfScheduleCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	scheduleByDayOfWeek_categoryOfScheduleCode	required
QName	Type	Use					
code	scheduleByDayOfWeek_categoryOfScheduleCode	required					

### Element scheduleByDayOfWeekType / text

Namespace	http://www.oho.int/S122/2.0						
Diagram							
Type	textType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element scheduleByDayOfWeekType / timeIntervalsByDayOfWeek

Namespace	http://www.oho.int/S122/2.0						
Diagram							
Type	timeIntervalsByDayOfWeekType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						

Model	dayOfWeek{0,7} , dayOfWeekIsRange{0,1} , timeOfDayStart* , timeOfDayEnd*
-------	--

### Element `timeIntervalsByDayOfWeekType / dayOfWeek`

Namespace	http://www.oho.int/S122/2.0						
Diagram	<pre> classDiagram     dayOfWeek &lt; -- timeIntervalsByDayOfWeek_dayOfWeekType     timeIntervalsByDayOfWeek_dayOfWeekType &lt; -- timeIntervalsByDayOfWeek_dayOfWeekLabel     timeIntervalsByDayOfWeek_dayOfWeekType &lt; -- @code     note over timeIntervalsByDayOfWeek_dayOfWeekType: Restricted values of dayOfWeek in timeIntervalsByDayOfWeek   </pre>						
Type	<code>timeIntervalsByDayOfWeek_dayOfWeekType</code>						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• <code>timeIntervalsByDayOfWeek_dayOfWeekLabel</code></li> <li>• <code>timeIntervalsByDayOfWeek_dayOfWeekType</code></li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>7</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	7
content:	complex						
minOccurs:	0						
maxOccurs:	7						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>code</code></td> <td><code>timeIntervalsByDay-OfWeek_dayOfWeekCode</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	<code>timeIntervalsByDay-OfWeek_dayOfWeekCode</code>	required
QName	Type	Use					
<code>code</code>	<code>timeIntervalsByDay-OfWeek_dayOfWeekCode</code>	required					

### Element `timeIntervalsByDayOfWeekType / dayOfWeekIsRange`

Namespace	http://www.oho.int/S122/2.0						
Diagram	<pre> classDiagram     dayOfWeekIsRange &lt; -- dayOfWeekIsRangeType     note over dayOfWeekIsRangeType: A statement expressing if the days of the week identified define a range or not.   </pre>						
Type	<code>dayOfWeekIsRangeType</code>						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element `timeIntervalsByDayOfWeekType / timeOfDayStart`

Namespace	http://www.oho.int/S122/2.0						
Diagram	<pre> classDiagram     timeOfDayStart &lt; -- timeOfDayStartType     note over timeOfDayStartType: The time corresponding to the start of an active period.   </pre>						
Type	<code>timeOfDayStartType</code>						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

### Element `timeIntervalsByDayOfWeekType / timeOfDayEnd`

Namespace	http://www.oho.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	timeOfDayEndType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

### Element spatialAccuracyType / fixedDateRange

Namespace	http://www.ihc.int/S122/2.0						
Diagram							
Type	fixedDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dateStart{0,1} , dateEnd{0,1}						

### Element spatialAccuracyType / horizontalPositionUncertainty

Namespace	http://www.ihc.int/S122/2.0						
Diagram							
Type	horizontalPositionUncertaintyType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}						

### Element spatialAccuracyType / verticalUncertainty

Namespace	http://www.ihc.int/S122/2.0
Diagram	

Type	verticalUncertaintyType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}

### Element verticalUncertaintyType / uncertaintyFixed

Namespace	http://www.ihc.int/S122/2.0
Diagram	<p>The diagram shows the <code>uncertaintyFixedType</code> element as a complex type. It has a single child element, <code>uncertaintyFixed</code>. A callout box provides the definition: "The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical..."</p>
Type	uncertaintyFixedType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true

### Element verticalUncertaintyType / uncertaintyVariableFactor

Namespace	http://www.ihc.int/S122/2.0
Diagram	<p>The diagram shows the <code>uncertaintyVariableFactorType</code> element as a simple type. It has a single child element, <code>uncertaintyVariableFactor</code>. A callout box provides the definition: "The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the..."</p>
Type	uncertaintyVariableFactorType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element sourceIndicationType / categoryOfAuthority

Namespace	http://www.ihc.int/S122/2.0
Diagram	<p>The diagram shows the <code>sourceIndication_categoryOfAuthorityType</code> element as a complex type. It has a single child element, <code>categoryOfAuthority</code>. A callout box provides the definition: "Restricted values of sourceIndication/categoryOfAuthority". Another callout box shows the attributes: <code>@ code</code> (Type: <code>sourceIndication_categoryOfAuthorityCode</code>). A final callout box provides the definition: "Restricted values of categoryOfAuthority in sourceIndication".</p>
Type	sourceIndication_categoryOfAuthorityType
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• sourceIndication_categoryOfAuthorityLabel</li> <li>• sourceIndication_categoryOfAuthorityType</li> </ul> </li> </ul>
Properties	content: complex minOccurs: 0 maxOccurs: 1

Attributes	QName	Type	Use	
	code	sourceIndication_category-OfAuthorityCode	required	

### Element sourceIndicationType / countryName

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class countryName {         &lt;&lt;Type&gt;&gt;     }     class countryNameType {         &lt;&lt;The name of a nation.&gt;&gt;     }     countryName "0..1" --&gt; "1..1" countryNameType   </pre>						
Type	countryNameType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element sourceIndicationType / source

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class source {         &lt;&lt;Type&gt;&gt;     }     class sourceType {         &lt;&lt;The publication, document, or reference work from which information comes or is acquired.&gt;&gt;     }     source "0..1" --&gt; "1..1" sourceType   </pre>						
Type	sourceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element sourceIndicationType / sourceType

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class sourceType {         &lt;&lt;Type&gt;&gt;     }     class sourceIndication_sourceTypeType {         &lt;&lt;Base Type&gt;&gt;         &lt;&lt;sourceIndication_sourceTypeLabel&gt;&gt;         &lt;&lt;sourceIndication_sourceTypeCode&gt;&gt;         &lt;&lt;@ Attributes&gt;&gt;     }     sourceType "0..1" --&gt; "1..1" sourceIndication_sourceTypeType   </pre>						
Type	sourceIndication_sourceTypeType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• sourceIndication_sourceTypeLabel</li> <li>• sourceIndication_sourceTypeType</li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>sourceIndication_sourceType-Code</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	sourceIndication_sourceType-Code	required
QName	Type	Use					
code	sourceIndication_sourceType-Code	required					

### Element sourceIndicationType / reportedDate

Namespace	http://www.aho.int/S122/2.0
Diagram	<pre> classDiagram     class reportedDateType {         &lt;&lt;Base Type S100:S100_TruncatedDate&gt;&gt;     }     class S100:S100_TruncatedDate {         &lt;&lt;extension base&gt;&gt;         gDay         gMonth         gYear         gMonthDay         gYearMonth         date     }     reportedDateType &lt; -- S100:S100_TruncatedDate     note over S100:S100_TruncatedDate: built in date types from W3C XML schema, implementing S-100 truncated date     note over reportedDateType: The date that the item was observed, done, or investigated.   </pre>
Type	reportedDateType
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TruncatedDate           <ul style="list-style-type: none"> <li>• reportedDateType</li> </ul> </li> </ul>
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date

### Element sourceIndicationType / featureName

Namespace	http://www.aho.int/S122/2.0
Diagram	<pre> classDiagram     class featureNameType {         &lt;&lt;language&lt;&lt;br/&gt;&lt;&lt;Type languageType&gt;&gt;&gt;&gt;         &lt;&lt;name&lt;&lt;br/&gt;&lt;&lt;Type nameType&gt;&gt;&gt;&gt;         &lt;&lt;nameUsage&lt;&lt;br/&gt;&lt;&lt;Type featureName_nameUsageType&gt;&gt;&gt;&gt;     }     featureName &lt; -- featureNameType     note over featureNameType: Provides the name of an entity, defines the national language of the name, and provides the option to display the name...     note over featureName: Provides the name of an entity, defines the national language of the name, and provides the option to display the name...   </pre>
Type	featureNameType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	language , name , nameUsage {0,1}

### Element surveyDateRangeType / dateStart

Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     dateStartType &lt; -- S100:S100_TrimmedDate     S100:S100_TrimmedDate &lt; -- S100:S100_TrimmedDate [extension base]     S100:S100_TrimmedDate --&gt; gDay     S100:S100_TrimmedDate --&gt; gMonth     S100:S100_TrimmedDate --&gt; gYear     S100:S100_TrimmedDate --&gt; gMonthDay     S100:S100_TrimmedDate --&gt; gYearMonth     S100:S100_TrimmedDate --&gt; date     note over S100:S100_TrimmedDate: built in date types from W3C XML schema, implementing S-100 truncated date     note over date: The earliest date on which an object (for example a buoy) will be present.   </pre>						
Type	dateStartType						
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TrimmedDate           <ul style="list-style-type: none"> <li>• dateStartType</li> </ul> </li> </ul>						
Properties	<table border="1" style="margin-left: 20px;"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date						

### Element surveyDateRangeType / dateEnd

Namespace	http://www.ihc.int/S122/2.0								
Diagram	<pre> classDiagram     dateEndType &lt; -- S100:S100_TrimmedDate     S100:S100_TrimmedDate &lt; -- S100:S100_TrimmedDate [extension base]     S100:S100_TrimmedDate --&gt; gDay     S100:S100_TrimmedDate --&gt; gMonth     S100:S100_TrimmedDate --&gt; gYear     S100:S100_TrimmedDate --&gt; gMonthDay     S100:S100_TrimmedDate --&gt; gYearMonth     S100:S100_TrimmedDate --&gt; date     note over S100:S100_TrimmedDate: built in date types from W3C XML schema, implementing S-100 truncated date     note over date: The latest date on which an object (for example a buoy) will be present.   </pre>								
Type	dateEndType								
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TrimmedDate           <ul style="list-style-type: none"> <li>• dateEndType</li> </ul> </li> </ul>								
Properties	<table border="1" style="margin-left: 20px;"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date								

### Element `telecommunicationsType / categoryOfCommunicationPreference`

Namespace	http://www.oho.int/S122/2.0						
Diagram	<pre> classDiagram     class telecommunications_categoryOfCommunicationPreferenceType {         attribute telecommunications_categoryOfCommunicationPreferenceLabel         attribute code     }     class telecommunications_categoryOfCommunicationPreferenceLabel     class telecommunications_categoryOfCommunicationPreferenceCode     telecommunications_categoryOfCommunicationPreferenceType &lt; -- telecommunications_categoryOfCommunicationPreference     telecommunications_categoryOfCommunicationPreference &lt; -- telecommunications_categoryOfCommunicationPreferenceType   </pre>						
Type	<code>telecommunications_categoryOfCommunicationPreferenceType</code>						
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>xs:string</code> <ul style="list-style-type: none"> <li>• <code>telecommunications_categoryOfCommunicationPreferenceLabel</code></li> <li>• <code>telecommunications_categoryOfCommunicationPreferenceType</code></li> </ul> </li> </ul>						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>code</code></td> <td><code>telecommunications_categoryOfCommunicationPreferenceCode</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	<code>telecommunications_categoryOfCommunicationPreferenceCode</code>	required
QName	Type	Use					
<code>code</code>	<code>telecommunications_categoryOfCommunicationPreferenceCode</code>	required					

### Element `telecommunicationsType / telecommunicationIdentifier`

Namespace	http://www.oho.int/S122/2.0								
Diagram									
Type	<code>telecommunicationIdentifierType</code>								
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

### Element `telecommunicationsType / telecommunicationCarrier`

Namespace	http://www.oho.int/S122/2.0						
Diagram							
Type	<code>telecommunicationCarrierType</code>						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element `telecommunicationsType / contactInstructions`

Namespace	http://www.oho.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	contactInstructionsType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

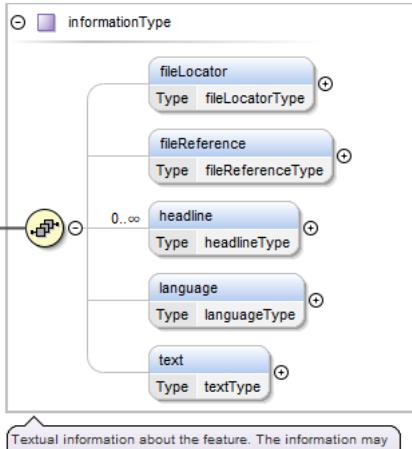
### Element `telecommunicationsType / telecommunicationService`

Namespace	http://www.oho.int/S122/2.0						
Diagram							
Type	telecommunications_telecommunicationServiceType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• telecommunications_telecommunicationServiceLabel</li> <li>• telecommunications_telecommunicationServiceType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>telecommunications_telecommunicationServiceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunications_telecommunicationServiceCode	required
QName	Type	Use					
code	telecommunications_telecommunicationServiceCode	required					

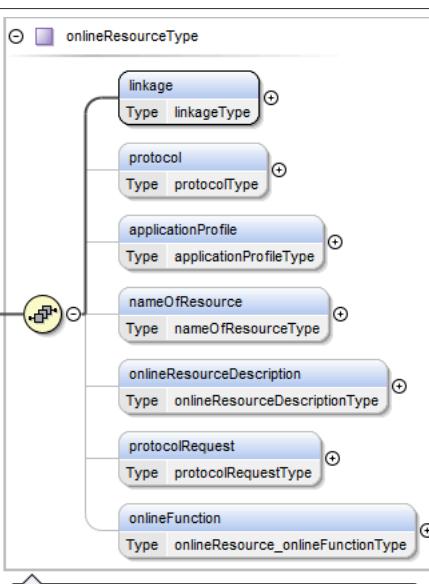
### Element `textContentType / categoryOfText`

Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	textContent_categoryOfTextType
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• textContent_categoryOfTextLabel</li> <li>• textContent_categoryOfTextType</li> </ul> </li> </ul>

Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1
Attributes	QName	Type
	code	textContent_categoryOf-TextCode
<b>Element textContentType / information</b>		

Namespace	http://www.aho.int/S122/2.0						
Diagram	 <pre> classDiagram     class information {         &lt;&lt;informationType&gt;&gt;     }     class fileLocator {         &lt;&lt;fileLocatorType&gt;&gt;     }     class fileReference {         &lt;&lt;fileReferenceType&gt;&gt;     }     class headline {         &lt;&lt;headlineType&gt;&gt;     }     class language {         &lt;&lt;languageType&gt;&gt;     }     class text {         &lt;&lt;textType&gt;&gt;     }      information "0..oo" --&gt; headline     information "*" --&gt; language     information "*" --&gt; text   </pre>						
Type	informationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						

### Element textContentType / onlineResource

Namespace	http://www.aho.int/S122/2.0		
Diagram	 <pre> classDiagram     class onlineResource {         &lt;&lt;onlineResourceType&gt;&gt;     }     class linkage {         &lt;&lt;linkageType&gt;&gt;     }     class protocol {         &lt;&lt;protocolType&gt;&gt;     }     class applicationProfile {         &lt;&lt;applicationProfileType&gt;&gt;     }     class nameOfResource {         &lt;&lt;nameOfResourceType&gt;&gt;     }     class onlineResourceDescription {         &lt;&lt;onlineResourceDescriptionType&gt;&gt;     }     class protocolRequest {         &lt;&lt;protocolRequestType&gt;&gt;     }     class onlineFunction {         &lt;&lt;onlineResource_onlineFunctionType&gt;&gt;     }      onlineResource "*" --&gt; linkage     onlineResource "*" --&gt; protocol     onlineResource "*" --&gt; applicationProfile     onlineResource "*" --&gt; nameOfResource     onlineResource "*" --&gt; onlineResourceDescription     onlineResource "*" --&gt; protocolRequest     onlineResource "*" --&gt; onlineFunction   </pre>		
Type	onlineResourceType		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		

	minOccurs: 0 maxOccurs: 1
Model	linkage , protocol{0,1} , applicationProfile{0,1} , nameOfResource{0,1} , onlineResourceDescription{0,1} , protocolRequest{0,1} , onlineFunction{0,1}

### Element `textContentType / sourceIndication`

Namespace	http://www.ihodata.org/S122/2.0
Diagram	<pre> classDiagram     class sourceIndicationType {         categoryOfAuthority : sourceIndication_categoryOfAuthorityType         countryName : countryNameType         source : sourceType         sourceType : sourceIndication_sourceTypeType         reportedDate : reportedDateType         &lt;&lt;0..&gt;&gt; featureName : featureNameType     }     sourceIndicationType &lt; -- sourceIndication     sourceIndication &lt; -- sourceIndicationType </pre>
Type	sourceIndicationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*

### Element `vesselMeasurementsSpecificationType / comparisonOperator`

Namespace	http://www.ihodata.org/S122/2.0
Diagram	<pre> classDiagram     class vesselMeasurementsSpecification_comparisonOperatorType {         vesselMeasurementsSpecification_comparisonOperatorLabel : vesselMeasurementsSpecification_comparisonOperatorLabel         @code : vesselMeasurementsSpecification_code     }     vesselMeasurementsSpecification_comparisonOperatorType &lt; -- comparisonOperator </pre>
Type	vesselMeasurementsSpecification_comparisonOperatorType
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string <ul style="list-style-type: none"> <li>• vesselMeasurementsSpecification_comparisonOperatorLabel</li> <li>• vesselMeasurementsSpecification_comparisonOperatorType</li> </ul> </li> </ul>
Properties	content: complex minOccurs: 1 maxOccurs: 1 nillable: true

Attributes	QName	Type	Use	
	code	vesselMeasurementsSpecification_comparisonOperatorCode	required	

### Element vesselMeasurementsSpecificationType / vesselsCharacteristics

Namespace	http://www.ihc.int/S122/2.0			
Diagram	<p>The diagram illustrates the structure of the <code>vesselMeasurementsSpecification_vesselsCharacteristicsType</code> element. It is a base type for <code>vesselMeasurementsSpecification_vesselsCharacteristics</code>. The element has three attributes: <code>vesselMeasurementsSpecification_vesselsCharacteristicsLabel</code>, <code>vesselMeasurementsSpecification_vesselsCharacteristicsType</code>, and <code>vesselMeasurementsSpecification_vesselsCharacteristicsCode</code>. The <code>vesselMeasurementsSpecification_vesselsCharacteristicsLabel</code> attribute is a string representing the label of the characteristic. The <code>vesselMeasurementsSpecification_vesselsCharacteristicsType</code> attribute is a reference to the type of the characteristic. The <code>vesselMeasurementsSpecification_vesselsCharacteristicsCode</code> attribute is a string representing the code of the characteristic.</p>			
Type	<code>vesselMeasurementsSpecification_vesselsCharacteristicsType</code>			
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>xs:string</code> <ul style="list-style-type: none"> <li>• <code>vesselMeasurementsSpecification_vesselsCharacteristicsLabel</code></li> <li>• <code>vesselMeasurementsSpecification_vesselsCharacteristicsType</code></li> </ul> </li> </ul>			
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>nillable: true</p>			
Attributes	QName	Type	Use	
	code	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required	

### Element vesselMeasurementsSpecificationType / vesselsCharacteristicsValue

Namespace	http://www.ihc.int/S122/2.0			
Diagram	<p>The diagram illustrates the structure of the <code>vesselMeasurementsSpecification_vesselsCharacteristicsValueType</code> element. It is a type for <code>vesselMeasurementsSpecification_vesselsCharacteristicsValue</code>. The element represents the value of a particular characteristic such as a dimension or tonnage of a vessel.</p>			
Type	<code>vesselMeasurementsSpecification_vesselsCharacteristicsValueType</code>			
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>nillable: true</p>			

### Element vesselMeasurementsSpecificationType / vesselsCharacteristicsUnit

Namespace	http://www.ihc.int/S122/2.0			

Diagram	<pre> classDiagram     vesselMeasurementsSpecification_vesselsCharacteristicsUnitType &lt; -- vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel     vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel &lt; -- vesselMeasurementsSpecification_vesselsCharacteristicsUnit     vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel @Attributes code     vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel &lt; -- vesselMeasurementsSpecification_vesselsCharacteristicsUnit     note "Restricted values of vesselMeasurementsSpecification/vesselMeasurementsSpecification_vesselsCharacteristicsUnit"     note "Restricted values of vesselMeasurementsSpecification_vesselsCharacteristicsUnit in vesselMeasurementsSpecification"   </pre>								
Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel</li> <li>• vesselMeasurementsSpecification_vesselsCharacteristicsUnitType</li> </ul> </li> </ul>								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">nillable:</td><td style="padding: 2px;">true</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th><th style="width: 20%;">Type</th><th style="width: 20%;">Use</th><th style="width: 20%;"> </th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td><td style="padding: 2px;">vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode</td><td style="padding: 2px;">required</td><td style="padding: 2px;"> </td></tr> </tbody> </table>	QName	Type	Use		code	vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode	required	
QName	Type	Use							
code	vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode	required							

### Element InformationType / featureName

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     featureNameType &lt; -- language     featureNameType &lt; -- name     featureNameType &lt; -- nameUsage     note "Provides the name of an entity, defines the national language of the name, and provides the option to display the name..."   </pre>						
Type	featureNameType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	language , name , nameUsage{0,1}						

### Element InformationType / fixedDateRange

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     class fixedDateRange {         &lt;&lt;fixedDateRangeType&gt;&gt;     }     class dateStart {         &lt;&lt;dateStartType&gt;&gt;     }     class dateEnd {         &lt;&lt;dateEndType&gt;&gt;     }      fixedDateRange "1..0" -- "0..1" dateStart     fixedDateRange "1..0" -- "0..1" dateEnd   </pre>						
Type	fixedDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dateStart{0,1} , dateEnd{0,1}						

### Element InformationType / periodicDateRange

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class periodicDateRange {         &lt;&lt;periodicDateRangeType&gt;&gt;     }     class dateStart {         &lt;&lt;dateStartType&gt;&gt;     }     class dateEnd {         &lt;&lt;dateEndType&gt;&gt;     }      periodicDateRange "1..0" -- "0..1" dateStart     periodicDateRange "1..0" -- "0..1" dateEnd   </pre>						
Type	periodicDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	dateStart , dateEnd						

### Element InformationType / graphic

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class graphic {         &lt;&lt;graphicType&gt;&gt;     }     class pictorialRepresentation {         &lt;&lt;pictorialRepresentationType&gt;&gt;     }     class pictureCaption {         &lt;&lt;pictureCaptionType&gt;&gt;     }     class sourceDate {         &lt;&lt;sourceDateType&gt;&gt;     }     class pictureInformation {         &lt;&lt;pictureInformationType&gt;&gt;     }     class bearingInformation {         &lt;&lt;bearingInformationType&gt;&gt;     }      graphic "1..0" -- "0..1" pictorialRepresentation     graphic "1..0" -- "0..1" pictureCaption     graphic "1..0" -- "0..1" sourceDate     graphic "1..0" -- "0..1" pictureInformation     graphic "1..0" -- "0..1" bearingInformation   </pre>						
Type	graphicType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pictorialRepresentation+ , pictureCaption{0,1} , sourceDate{0,1} , pictureInformation{0,1} , bearingInformation{0,1}						

## Element InformationType / sourceIndication

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class sourceIndication {         Type sourcedIndicationType     }     class sourceIndicationType {         categoryOfAuthority         Type sourcedIndication_categoryOfAuthorityType         countryName         Type countryNameType         source         Type sourceType         sourceType         Type sourcedIndication_sourceTypeType         reportedDate         Type reportedDateType         0..oo featureName         Type featureNameType     }     sourceIndication &lt; -- sourceIndicationType   </pre> <p>Information about the source document, publication, or reference from which object data or textual material included or...</p>						
Type	sourceIndicationType						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*						

## Element AbstractRxNType / categoryOfAuthority

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     class categoryOfAuthority {         Type AbstractRxN_categoryOfAuthorityType     }     class AbstractRxN_categoryOfAuthorityType {         Base Type AbstractRxN_categoryOfAuthorityLabel         Custom enum: AbstractRxN/categoryOfAuthority         @ Attributes         @ code         Type AbstractRxN_categoryOfAuthorityCode     }     categoryOfAuthority &lt; -- AbstractRxN_categoryOfAuthorityType   </pre> <p>Restricted values of categoryOfAuthority in AbstractRxN</p>						
Type	AbstractRxN_categoryOfAuthorityType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• AbstractRxN_categoryOfAuthorityLabel</li> <li>• AbstractRxN_categoryOfAuthorityType</li> </ul> </li> </ul>						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>AbstractRxN_categoryOfAuthorityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AbstractRxN_categoryOfAuthorityCode	required
QName	Type	Use					
code	AbstractRxN_categoryOfAuthorityCode	required					

## Element AbstractRxNType / rxNCode

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     rxNCode "rxNCode&lt;br&gt;Type rxNCodeType" --&gt; rxNCodeType "rxNCodeType&lt;br&gt;Type rxNCodeType"     rxNCodeType "rxNCodeType&lt;br&gt;Type rxNCodeType" o--&gt; categoryOfRxN "categoryOfRxN&lt;br&gt;Type categoryOfRxNType"     rxNCodeType "rxNCodeType&lt;br&gt;Type rxNCodeType" o--&gt; actionOrActivity "actionOrActivity&lt;br&gt;Type actionOrActivityType"     rxNCodeType "rxNCodeType&lt;br&gt;Type rxNCodeType" o--&gt; headline "headline&lt;br&gt;Type headlineType"     note "A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on..."   </pre>						
Type	rxNCodeType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline{0,1}						

### Element AbstractRxNType / textContent

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     textContent "textContent&lt;br&gt;Type textContentType" --&gt; textContentType "textContentType&lt;br&gt;Type textContentType"     textContentType "textContentType&lt;br&gt;Type textContentType" o--&gt; categoryOfText "categoryOfText&lt;br&gt;Type textContent_categoryOfTextType"     textContentType "textContentType&lt;br&gt;Type textContentType" o--&gt; information "information&lt;br&gt;Type informationType"     textContentType "textContentType&lt;br&gt;Type textContentType" o--&gt; onlineResource "onlineResource&lt;br&gt;Type onlineResourceType"     textContentType "textContentType&lt;br&gt;Type textContentType" o--&gt; sourceIndication "sourceIndication&lt;br&gt;Type sourceIndicationType"     note "Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about..."   </pre>						
Type	textContentType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

### Element AbstractRxNType / isApplicableTo

Namespace	http://www.ihc.int/S122/2.0
Annotations	Applicability[0..*]

Diagram																																																			
Type	isApplicableToType																																																		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:ReferenceType</li> <li>• isApplicableToType</li> </ul>																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model	InclusionType																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																															
nilReason	gml:NilReasonType			optional																																															
owns	boolean		false	optional																																															
xlink:actuate	xlink:actuateType			optional																																															
xlink:arcrole	xlink:arcroleType			optional																																															
xlink:href	xlink:hrefType			optional																																															
xlink:role	xlink:roleType			optional																																															
xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

### Element isApplicableToType / InclusionType

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram	<p>InclusionTypeType</p> <p><b>Attributes</b></p> <ul style="list-style-type: none"> <li>gml:id: ID (mandatory)</li> </ul> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p> <p><b>membership</b></p> <p>Type membershipType</p> <p>Association class specifying the relationship between the subset of vessels described by an APPLIC data object and...</p>						
Type	InclusionTypeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	membership						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>optional</td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	gml:id	ID	optional
QName	Type	Use					
gml:id	ID	optional					

### Element InclusionTypeType / membership

Namespace	http://www.oho.int/S122/2.0						
Diagram	<p>membershipType</p> <p>Base Type membershipLabel</p> <p><b>membershipLabel</b></p> <p>Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.</p> <p><b>Attributes</b></p> <ul style="list-style-type: none"> <li>code: membershipCode (required)</li> </ul> <p>Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.</p>						
Type	membershipType						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>membershipLabel</li> <li>membershipType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>membershipCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	membershipCode	required
QName	Type	Use					
code	membershipCode	required					

### Element AbstractRxNType / theOrganisation

Namespace	http://www.oho.int/S122/2.0
-----------	-----------------------------

Annotations	Authority[0..*]																																																		
Diagram	<p>The diagram illustrates the structure of the <code>theAuthority</code> element. It is defined as a <code>gml:ReferenceType</code>. This type includes two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note specifies: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A general note at the bottom indicates: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model																																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																															
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																															
<code>owns</code>	boolean		false	optional																																															
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																															
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																															
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																															
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																															
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																															
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																															
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

### Element `ApplicabilityType / inBallast`

Namespace	<a href="http://www.ihoint/S122/2.0">http://www.ihoint/S122/2.0</a>						
Diagram	<p>The diagram shows the <code>inBallast</code> element as a <code>gml:ReferenceType</code>. It has an annotation stating: "Whether the vessel is in ballast."</p>						
Type	<code>inBallastType</code>						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element `ApplicabilityType / categoryOfCargo`

Namespace	<a href="http://www.ihoint/S122/2.0">http://www.ihoint/S122/2.0</a>
-----------	---

Diagram	<pre> classDiagram     categoryOfCargo "Type" --&gt; Applicability_categoryOfCargoType     Applicability_categoryOfCargoType "Base Type" &lt; -- Applicability_categoryOfCargoLabel     Applicability_categoryOfCargoLabel "Custom enum: Applicability/categoryOfCargo"     code "Attributes"     code "Type: Applicability_categoryOfCargoCode"     note "Restricted values of categoryOfCargo in Applicability"   </pre>						
Type	Applicability_categoryOfCargoType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• Applicability_categoryOfCargoLabel</li> <li>• Applicability_categoryOfCargoType</li> </ul>						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Applicability_categoryOfCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfCargoCode	required
QName	Type	Use					
code	Applicability_categoryOfCargoCode	required					

### Element ApplicabilityType / categoryOfDangerousOrHazardousCargo

Namespace	http://www.ihc.int/S122/2.0						
Diagram	<pre> classDiagram     categoryOfDangerousOrHazardousCargo "Type" --&gt; Applicability_categoryOfDangerousOrHazardousCargoType     Applicability_categoryOfDangerousOrHazardousCargoType "Base Type" &lt; -- Applicability_categoryOfDangerousOrHazardousCargoLabel     Applicability_categoryOfDangerousOrHazardousCargoLabel "Custom enum: Applicability/categoryOfDangerousOrHazardousCargo"     code "Attributes"     code "Type: Applicability_categoryOfDangerousOrHazardousCargoCode"     note "Restricted values of categoryOfDangerousOrHazardousCargo in Applicability"   </pre>						
Type	Applicability_categoryOfDangerousOrHazardousCargoType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• Applicability_categoryOfDangerousOrHazardousCargoLabel</li> <li>• Applicability_categoryOfDangerousOrHazardousCargoType</li> </ul>						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Applicability_categoryOfDangerousOrHazardousCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfDangerousOrHazardousCargoCode	required
QName	Type	Use					
code	Applicability_categoryOfDangerousOrHazardousCargoCode	required					

### Element ApplicabilityType / categoryOfVessel

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	Applicability_categoryOfVesselType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:anySimpleType             <ul style="list-style-type: none"> <li>• categoryOfVesselLabel_Union                     <ul style="list-style-type: none"> <li>• Applicability_categoryOfVesselType</li> </ul> </li> </ul> </li> </ul>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td><td style="padding: 2px;">Applicability_categoryOfVesselCode</td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfVesselCode	optional
QName	Type	Use					
code	Applicability_categoryOfVesselCode	optional					

### Element ApplicabilityType / categoryOfVesselRegistry

Namespace	http://www.ihc.int/S122/2.0						
Diagram							
Type	Applicability_categoryOfVesselRegistryType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string             <ul style="list-style-type: none"> <li>• Applicability_categoryOfVesselRegistryLabel</li> <li>• Applicability_categoryOfVesselRegistryType</li> </ul> </li> </ul>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td><td style="padding: 2px;">Applicability_categoryOfVesselRegistryCode</td><td style="padding: 2px;">required</td></tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfVesselRegistryCode	required
QName	Type	Use					
code	Applicability_categoryOfVesselRegistryCode	required					

### Element ApplicabilityType / logicalConnectives

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     class Applicability_logicalConnectivesType {         logicalConnectives : Applicability_logicalConnectivesLabel         @ code : Applicability_logicalConnectivesCode     }     Applicability_logicalConnectivesLabel {         Applicability         logicalConnectives     }     note over Applicability_logicalConnectivesType: Restricted values of logicalConnectives in Applicability   </pre>						
Type	Applicability_logicalConnectivesType						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>Applicability_logicalConnectivesLabel</li> <li>Applicability_logicalConnectivesType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Applicability_logicalConnectivesCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Applicability_logicalConnectivesCode	required
QName	Type	Use					
code	Applicability_logicalConnectivesCode	required					

### Element ApplicabilityType / thicknessOfIceCapability

Namespace	http://www.ihoint/S122/2.0						
Diagram	<pre> classDiagram     class thicknessOfIceCapabilityType {         thicknessOfIceCapability     }     note over thicknessOfIceCapabilityType: The thickness of ice that the ship can safely transit.   </pre>						
Type	thicknessOfIceCapabilityType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minExclusive 0						

### Element ApplicabilityType / vesselPerformance

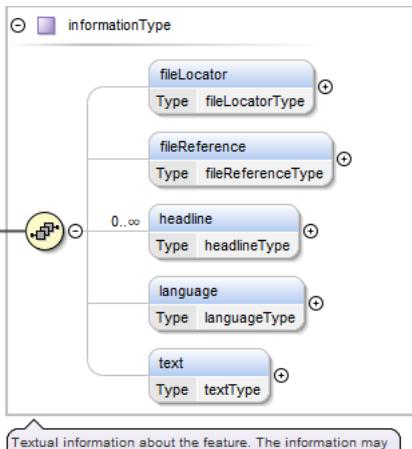
Namespace	http://www.ihoint/S122/2.0						
Diagram	<pre> classDiagram     class vesselPerformanceType {         vesselPerformance     }     note over vesselPerformanceType: A description of the required handling characteristics of a vessel including hull design, main and auxiliary machinery,....   </pre>						
Type	vesselPerformanceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element ApplicabilityType / destination

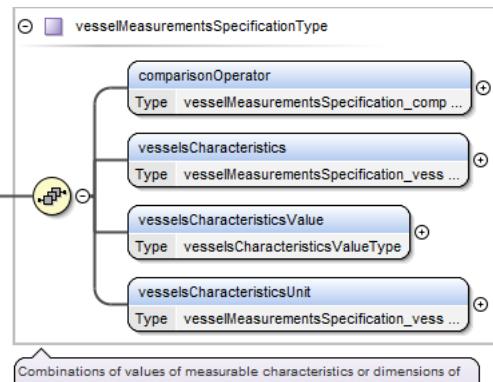
Namespace	http://www.ihoint/S122/2.0
Diagram	<pre> classDiagram     class destinationType {         destination     }     note over destinationType: The place or general direction to which a vessel is going or directed.   </pre>

Type	destinationType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element ApplicabilityType / information

Namespace	http://www.ihodata.org/S122/2.0
Diagram	
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

### Element ApplicabilityType / vesselMeasurementsSpecification

Namespace	http://www.ihodata.org/S122/2.0
Diagram	
Type	vesselMeasurementsSpecificationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	comparisonOperator , vesselsCharacteristics , vesselsCharacteristicsValue , vesselsCharacteristicsUnit

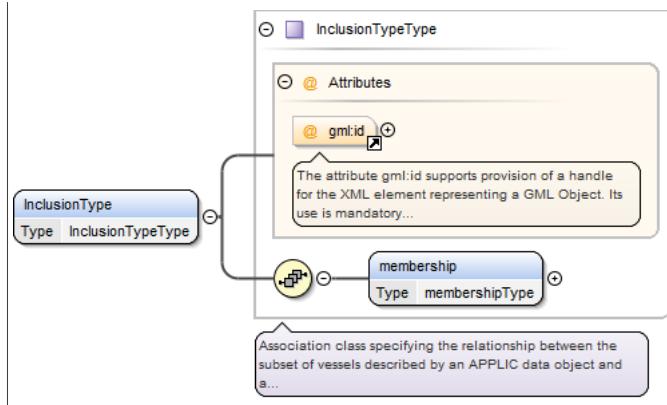
### Element ApplicabilityType / theApplicableRxN

Namespace	http://www.ihodata.org/S122/2.0
Annotations	AbstractRxN[0..*]

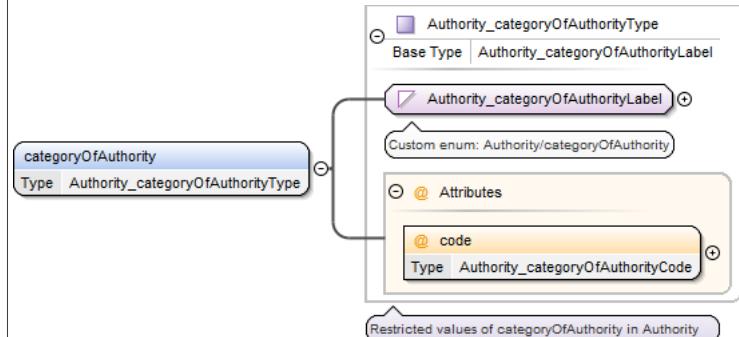
Diagram	<pre> classDiagram     class theApplicableRxN {         &lt;&lt;theApplicableRxN&gt;&gt;         &lt;&lt;Type theApplicableRxNType&gt;&gt;         &lt;&lt;AbstractRxN[0..*]&gt;&gt;     }     class gml {         &lt;&lt;gml:ReferenceType&gt;&gt;         &lt;&lt;extension base=gml:ReferenceType&gt;&gt;         &lt;&lt;Attributes&gt;&gt;         &lt;&lt;gmt:OwnershipAttributeGroup&gt;&gt;         &lt;&lt;gmt:AssociationAttributeGroup&gt;&gt;     }     class InclusionType {         &lt;&lt;InclusionType&gt;&gt;         &lt;&lt;Type InclusionTypeType&gt;&gt;     }     theApplicableRxN "0..1" --&gt; "1" gml:ReferenceType     InclusionType "0..1" --&gt; "1" theApplicableRxN   </pre>																																																		
Type	theApplicableRxNType																																																		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:ReferenceType</li> <li>• theApplicableRxNType</li> </ul>																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model	InclusionType																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																															
nilReason	gml:NilReasonType			optional																																															
owns	boolean		false	optional																																															
xlink:actuate	xlink:actuateType			optional																																															
xlink:arcrole	xlink:arcroleType			optional																																															
xlink:href	xlink:hrefType			optional																																															
xlink:role	xlink:roleType			optional																																															
xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

### Element theApplicableRxNType / InclusionType

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	InclusionTypeType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	membership						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>gml:id</b></td><td style="padding: 2px;">ID</td><td style="padding: 2px;">optional</td></tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<b>gml:id</b>	ID	optional
QName	Type	Use					
<b>gml:id</b>	ID	optional					

### Element AuthorityType / categoryOfAuthority

Namespace	http://www.oho.int/S122/2.0									
Diagram										
Type	Authority_categoryOfAuthorityType									
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• Authority_categoryOfAuthorityLabel</li> <li>• Authority_categoryOfAuthorityType</li> </ul>									
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">nillable:</td><td style="padding: 2px;">true</td></tr> </table>		content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex									
minOccurs:	1									
maxOccurs:	1									
nillable:	true									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>code</b></td><td style="padding: 2px;">Authority_categoryOfAuthorityCode</td><td style="padding: 2px;">required</td></tr> </tbody> </table>	QName	Type	Use	<b>code</b>	Authority_categoryOfAuthorityCode	required			
QName	Type	Use								
<b>code</b>	Authority_categoryOfAuthorityCode	required								

### Element AuthorityType / textContent

Namespace	http://www.oho.int/S122/2.0		
-----------	-----------------------------	--	--

Diagram							
Type	textContentType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

### Element AuthorityType / theContactDetails

Namespace	http://www.ihc.int/S122/2.0																																																			
Annotations	ContactDetails[0..*]																																																			
Diagram																																																				
Type	gml:ReferenceType																																																			
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>		content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																			
minOccurs:	0																																																			
maxOccurs:	unbounded																																																			
Model																																																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th><th style="width: 25%;">Type</th><th style="width: 25%;">Fixed</th><th style="width: 25%;">Default</th><th style="width: 25%;">Use</th></tr> </thead> <tbody> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</td><td></td><td>optional</td></tr> </tbody> </table>		QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																
nilReason	gml:NilReasonType			optional																																																
owns	boolean		false	optional																																																
xlink:actuate	xlink:actuateType			optional																																																
xlink:arcrole	xlink:arcroleType			optional																																																
xlink:href	xlink:hrefType			optional																																																
xlink:role	xlink:roleType			optional																																																
xlink:show	xlink:showType			optional																																																
xlink:title	xlink:titleAttrType			optional																																																
xlink:type	xlink:typeType	simple		optional																																																

### Element AuthorityType / organisationRelatedRxN

Namespace	http://www.ihc.int/S122/2.0																																																		
Annotations	AbstractRxN[0..*]																																																		
Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <b>gml:ReferenceType</b> to the derived type <b>organisationRelatedRxN</b>. The <b>organisationRelatedRxN</b> type is shown with a shaded background, indicating it is a derived type. It inherits attributes from <b>gml:ReferenceType</b>, which are listed in a box: <b>gml:OwnershipAttributeGroup</b> and <b>gml:AssociationAttributeGroup</b>. Annotations for these attributes provide descriptions: 'Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...' for <b>gml:OwnershipAttributeGroup</b>, and 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....' for <b>gml:AssociationAttributeGroup</b>. A note at the bottom states: 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...'. A legend indicates that a shaded box represents a derived type.</p>																																																		
Type	gml:ReferenceType																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model																																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><b>nilReason</b></td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>owns</b></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><b>xlink:actuate</b></td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:arcrole</b></td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:href</b></td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:role</b></td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:show</b></td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:title</b></td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:type</b></td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<b>nilReason</b>	gml:NilReasonType			optional	<b>owns</b>	boolean		false	optional	<b>xlink:actuate</b>	xlink:actuateType			optional	<b>xlink:arcrole</b>	xlink:arcroleType			optional	<b>xlink:href</b>	xlink:hrefType			optional	<b>xlink:role</b>	xlink:roleType			optional	<b>xlink:show</b>	xlink:showType			optional	<b>xlink:title</b>	xlink:titleAttrType			optional	<b>xlink:type</b>	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																															
<b>nilReason</b>	gml:NilReasonType			optional																																															
<b>owns</b>	boolean		false	optional																																															
<b>xlink:actuate</b>	xlink:actuateType			optional																																															
<b>xlink:arcrole</b>	xlink:arcroleType			optional																																															
<b>xlink:href</b>	xlink:hrefType			optional																																															
<b>xlink:role</b>	xlink:roleType			optional																																															
<b>xlink:show</b>	xlink:showType			optional																																															
<b>xlink:title</b>	xlink:titleAttrType			optional																																															
<b>xlink:type</b>	xlink:typeType	simple		optional																																															

### Element AuthorityType / theServiceHours

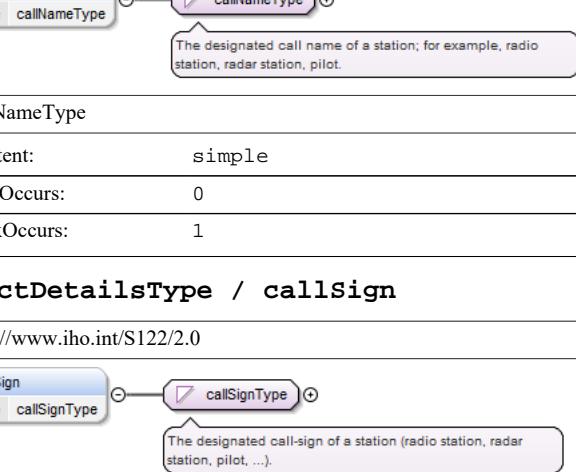
Namespace	http://www.ihc.int/S122/2.0
Annotations	ServiceHours[0..*]
Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <b>gml:ReferenceType</b> to the derived type <b>theServiceHours</b>. The <b>theServiceHours</b> type is shown with a shaded background, indicating it is a derived type. It inherits attributes from <b>gml:ReferenceType</b>, which are listed in a box: <b>gml:OwnershipAttributeGroup</b> and <b>gml:AssociationAttributeGroup</b>. Annotations for these attributes provide descriptions: 'Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...' for <b>gml:OwnershipAttributeGroup</b>, and 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....' for <b>gml:AssociationAttributeGroup</b>. A note at the bottom states: 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...'. A legend indicates that a shaded box represents a derived type.</p>

Type	gml:ReferenceType																																																						
Properties	content: complex minOccurs: 0 maxOccurs: unbounded																																																						
Model																																																							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:nilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>					QName	Type	Fixed	Default	Use	nilReason	gml:nilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																																			
nilReason	gml:nilReasonType			optional																																																			
owns	boolean		false	optional																																																			
xlink:actuate	xlink:actuateType			optional																																																			
xlink:arcrole	xlink:arcroleType			optional																																																			
xlink:href	xlink:hrefType			optional																																																			
xlink:role	xlink:roleType			optional																																																			
xlink:show	xlink:showType			optional																																																			
xlink:title	xlink:titleAttrType			optional																																																			
xlink:type	xlink:typeType	simple		optional																																																			

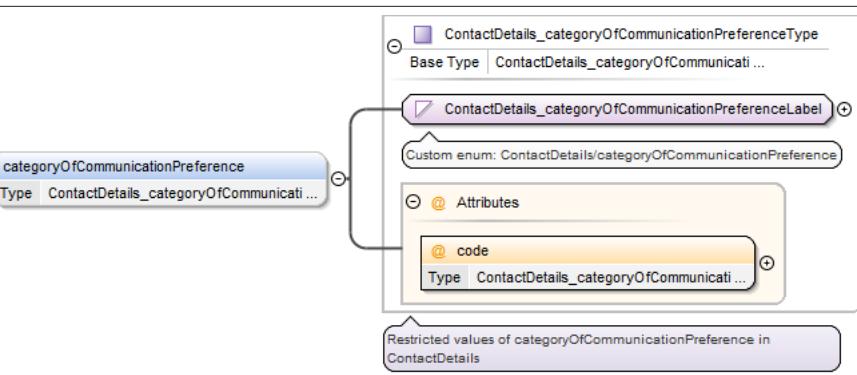
### Element ContactDetailsType / callName

Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	callNameType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element ContactDetailsType / callsign

Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	callSignType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element ContactDetailsType / categoryOfCommunicationPreference

Namespace	http://www.oho.int/S122/2.0
Diagram	

Type	ContactDetails_categoryOfCommunicationPreferenceType		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• ContactDetails_categoryOfCommunicationPreferenceLabel</li> <li>• ContactDetails_categoryOfCommunicationPreferenceType</li> </ul> </li> </ul>		
Properties	content: complex minOccurs: 0 maxOccurs: 1		
Attributes	QName	Type	Use
	code	ContactDetails_categoryOfCommunicationPreferenceCode	required

### Element ContactDetailsType / communicationChannel

Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

### Element ContactDetailsType / contactInstructions

Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	contactInstructionsType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element ContactDetailsType / language

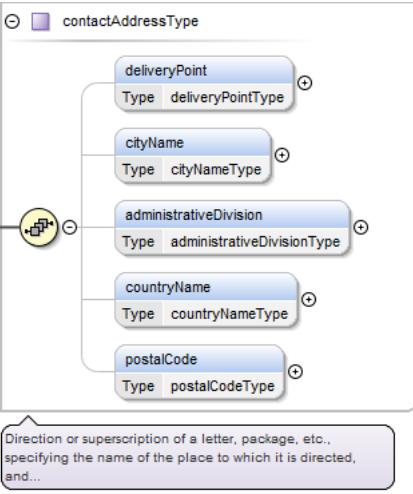
Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	languageType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

### Element ContactDetailsType / mMSICode

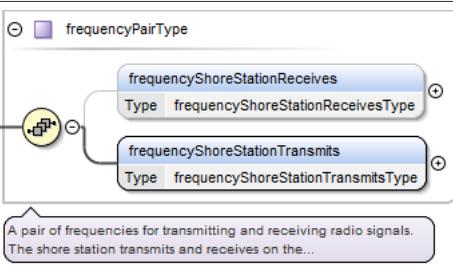
Namespace	http://www.oho.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	mMSICodeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element ContactDetailsType / contactAddress

Namespace	http://www.oho.int/S122/2.0						
Diagram							
Type	contactAddressType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	deliveryPoint{0,1} , cityName{0,1} , administrativeDivision{0,1} , countryName{0,1} , postalCode{0,1}						

### Element ContactDetailsType / frequencyPair

Namespace	http://www.oho.int/S122/2.0						
Diagram							
Type	frequencyPairType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	frequencyShoreStationReceives{0,1} , frequencyShoreStationTransmits						

### Element ContactDetailsType / information

Namespace	http://www.oho.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     class information {         &lt;&lt;information&gt;&gt;         &lt;&lt;informationType&gt;&gt;     }     class informationType {         &lt;&lt;informationType&gt;&gt;         fileLocator : fileLocatorType         fileReference : fileReferenceType         headline : headlineType [0..oo]         language : languageType         text : textType     }     information "1" -- "1" informationType     </pre>						
Type	informationType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						

### Element ContactDetailsType / onlineResource

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class onlineResource {         &lt;&lt;onlineResource&gt;&gt;         &lt;&lt;onlineResourceType&gt;&gt;     }     class onlineResourceType {         &lt;&lt;onlineResourceType&gt;&gt;         linkage : linkageType         protocol : protocolType         applicationProfile : applicationProfileType         nameOfResource : nameOfResourceType         onlineResourceDescription : onlineResourceDescriptionType         protocolRequest : protocolRequestType         onlineFunction : onlineResource_onlineFunctionType     }     onlineResource "1" -- "1" onlineResourceType     </pre>						
Type	onlineResourceType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	linkage , protocol{0,1} , applicationProfile{0,1} , nameOfResource{0,1} , onlineResourceDescription{0,1} , protocolRequest{0,1} , onlineFunction{0,1}						

### Element ContactDetailsType / telecommunications

Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram

```

classDiagram
    class telecommunications {
        <<telecommunicationsType>>
    }
    class categoryOfCommunicationPreference {
        <<telecommunications_categoryOfCommunicationPreferenceType>>
    }
    class telecommunicationIdentifier {
        <<telecommunicationIdentifierType>>
    }
    class telecommunicationCarrier {
        <<telecommunicationCarrierType>>
    }
    class contactInstructions {
        <<contactInstructionsType>>
    }
    class telecommunicationService {
        <<telecommunications_telecommunicationServiceType>>
    }

    telecommunications "0..1" --> categoryOfCommunicationPreference
    telecommunications "0..1" --> telecommunicationIdentifier
    telecommunications "0..1" --> telecommunicationCarrier
    telecommunications "0..1" --> contactInstructions
    telecommunications "0..oo" --> telecommunicationService
  
```

The diagram shows the `telecommunicationsType` class with the following attributes:

- `categoryOfCommunicationPreference` (Type: `telecommunications_categoryOfCommunicationPreferenceType`)
- `telecommunicationIdentifier` (Type: `telecommunicationIdentifierType`)
- `telecommunicationCarrier` (Type: `telecommunicationCarrierType`)
- `contactInstructions` (Type: `contactInstructionsType`)
- `telecommunicationService` (Type: `telecommunications_telecommunicationServiceType`)

A note below the class definition states: "A means or channel of communicating at a distance by electrical or electromagnetic means such as telegraphy, telephony,...."

**Element ContactDetailsType / theAuthority**

Namespace	http://www.ihc.int/S122/2.0																																			
Annotations	Authority[0..*]																																			
Diagram	<p>The diagram illustrates the UML class <code>gml:ReferenceType</code>. It has two attribute groups: <code>gmt:OwnershipAttributeGroup</code> and <code>gmt:AssociationAttributeGroup</code>. The class is associated with <code>theAuthority</code> (Type: <code>gml:ReferenceType</code>) via <code>Authority[0..*]</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note explains: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." A third note specifies: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																			
Type	<code>gml:ReferenceType</code>																																			
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																													
content:	complex																																			
minOccurs:	0																																			
maxOccurs:	unbounded																																			
Model																																				
Attributes	<table> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>nilReason</code></td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional
QName	Type	Fixed	Default	Use																																
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																
<code>owns</code>	boolean		false	optional																																
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																

QName	Type	Fixed	Default	Use
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

### Element NonStandardWorkingDayType / dateFixed

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     dateFixedType &lt; -- S100:S100_TruncatedDate     S100:S100_TruncatedDate {         gDay         gMonth         gYear         gMonthDay         gYearMonth         date     }   </pre> <p>The diagram illustrates the inheritance relationship between the <code>dateFixed</code> element and the <code>S100:S100_TruncatedDate</code> type. The <code>dateFixed</code> element is shown as a box with a shaded background, indicating it is a type. It has a directed association line pointing to the <code>S100:S100_TruncatedDate</code> type, which is also shaded. The <code>S100:S100_TruncatedDate</code> type is labeled as an "extension base". Inside the type's boundary, there are six attributes: <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>. Each attribute is preceded by a plus sign (+) and followed by a small circle with a minus sign (-). Below the type, two annotations are present: "built in date types from W3C XML schema, implementing S-100 truncated date" and "The date of an event.".</p>						
Type	dateFixedType						
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TruncatedDate           <ul style="list-style-type: none"> <li>• dateFixedType</li> </ul> </li> </ul>						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	<code>gDay   gMonth   gYear   gMonthDay   gYearMonth   date</code>						

### Element NonStandardWorkingDayType / dateVariable

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     dateVariable &lt; -- dateVariableType     dateVariableType {         &lt;&lt;A day which is not fixed in the Gregorian calendar.&gt;&gt;     }   </pre> <p>The diagram shows the <code>dateVariable</code> element extending the <code>dateVariableType</code> type. The <code>dateVariable</code> element is a shaded box, and the <code>dateVariableType</code> type is also shaded. A directed association line connects them. Below the type, a note states: "A day which is not fixed in the Gregorian calendar."</p>						
Type	dateVariableType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

### Element NonStandardWorkingDayType / information

Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram	
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

### Element ServiceHoursType / scheduleByDayOfWeek

Namespace	http://www.oho.int/S122/2.0
Diagram	
Type	scheduleByDayOfWeekType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfSchedule{0,1} , text{0,1} , timeIntervalsByDayOfWeek{+}

### Element ServiceHoursType / information

Namespace	http://www.oho.int/S122/2.0
-----------	-----------------------------

Diagram	
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

### Element ServiceHoursType / partialWorkingDay

Namespace	http://www.ihc.int/S122/2.0																																								
Annotations	NonStandardWorkingDay[0..*]																																								
Diagram																																									
Type	gml:ReferenceType																																								
Properties	content: complex minOccurs: 0 maxOccurs: unbounded																																								
Model																																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional
QName	Type	Fixed	Default	Use																																					
nilReason	gml:NilReasonType			optional																																					
owns	boolean		false	optional																																					
xlink:actuate	xlink:actuateType			optional																																					
xlink:arcrole	xlink:arcroleType			optional																																					
xlink:href	xlink:hrefType			optional																																					
xlink:role	xlink:roleType			optional																																					
xlink:show	xlink:showType			optional																																					

QName	Type	Fixed	Default	Use
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

### Element serviceHoursType / theAuthority\_svrHrs

Namespace	http://www.ihc.int/S122/2.0																																																		
Annotations	Authority[0..*]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model																																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																															
nilReason	gml:NilReasonType			optional																																															
owns	boolean		false	optional																																															
xlink:actuate	xlink:actuateType			optional																																															
xlink:arcrole	xlink:arcroleType			optional																																															
xlink:href	xlink:hrefType			optional																																															
xlink:role	xlink:roleType			optional																																															
xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

### Element SpatialQualityType / qualityOfHorizontalMeasurement

Namespace	http://www.ihc.int/S122/2.0
Diagram	

Type	SpatialQuality_qualityOfHorizontalMeasurementType		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• SpatialQuality_qualityOfHorizontalMeasurementLabel</li> <li>• SpatialQuality_qualityOfHorizontalMeasurementType</li> </ul> </li> </ul>		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Attributes	QName	Type	Use
	code	SpatialQuality_qualityOfHorizontalMeasurementCode	required

### Element **SpatialQualityType / spatialAccuracy**

Namespace	http://www.ihodata.org/S122/2.0
Diagram	<pre> classDiagram     class spatialAccuracyType {         fixedDateRange : fixedDateRangeType         horizontalPositionUncertainty : horizontalPositionUncertaintyType         verticalUncertainty : verticalUncertaintyType     }     class spatialAccuracy {         Type spatialAccuracyType     }     spatialAccuracy &lt; -- spatialAccuracyType     note over spatialAccuracyType: Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a...   </pre>
Type	spatialAccuracyType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	fixedDateRange{0,1} , horizontalPositionUncertainty{0,1} , verticalUncertainty{0,1}

### Element **FeatureType / interoperabilityIdentifier**

Namespace	http://www.ihodata.org/S122/2.0
Diagram	<pre> classDiagram     class interoperabilityIdentifierType {         Note: A common unique identifier for entities which describe a single real-world feature, and which is used to identify...     }     class interoperabilityIdentifier {         Type interoperabilityIdentifierType     }     interoperabilityIdentifier &lt; -- interoperabilityIdentifierType   </pre>
Type	interoperabilityIdentifierType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>

### Element **FeatureType / featureName**

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Diagram	<pre> classDiagram     class featureNameType {         &lt;&lt;featureNameType&gt;&gt;         language         name         nameUsage     }     class featureName {         &lt;&lt;featureNameType&gt;&gt;     }     featureName "0..1" --&gt; "1..1" featureNameType :      language "0..1" --&gt; "1..1" languageType :      name "0..1" --&gt; "1..1" nameType :      nameUsage "0..1" --&gt; "1..1" featureName_nameUsageType :      </pre> <p>Provides the name of an entity, defines the national language of the name, and provides the option to display the name...</p>						
Type	featureNameType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	language , name , nameUsage {0,1}						

### Element FeatureType / fixedDateRange

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class fixedDateRangeType {         &lt;&lt;fixedDateRangeType&gt;&gt;         dateStart         dateEnd     }     class fixedDateRange {         &lt;&lt;fixedDateRangeType&gt;&gt;     }     fixedDateRange "0..1" --&gt; "1..1" fixedDateRangeType :      dateStart "0..1" --&gt; "1..1" dateStartType :      dateEnd "0..1" --&gt; "1..1" dateEndType :      </pre> <p>An active period of a single fixed event or occurrence, as the date range between discrete start and end dates.</p>						
Type	fixedDateRangeType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dateStart{0,1} , dateEnd{0,1}						

### Element FeatureType / periodicDateRange

Namespace	http://www.aho.int/S122/2.0						
Diagram	<pre> classDiagram     class periodicDateRangeType {         &lt;&lt;periodicDateRangeType&gt;&gt;         dateStart         dateEnd     }     class periodicDateRange {         &lt;&lt;periodicDateRangeType&gt;&gt;     }     periodicDateRange "0..1" --&gt; "1..1" periodicDateRangeType :      dateStart "0..1" --&gt; "1..1" dateStartType :      dateEnd "0..1" --&gt; "1..1" dateEndType :      </pre> <p>The active period of a recurring event or occurrence.</p>						
Type	periodicDateRangeType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	dateStart , dateEnd						

### Element FeatureType / rxNCode

Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     rxNCode &lt; -- rxNCodeType     rxNCodeType "0..1" --&gt; categoryOfRxN : categoryOfRxN     rxNCodeType "0..1" --&gt; actionOrActivity : actionOrActivity     rxNCodeType "0..1" --&gt; headline : headline   </pre> <p>A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on...</p>						
Type	rxNCodeType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline{0,1}						

### Element FeatureTypeType / graphic

Namespace	http://www.ihodata.org/S122/2.0						
Diagram	<pre> classDiagram     graphic &lt; -- graphicType     graphicType "*" --&gt; pictorialRepresentation : pictorialRepresentation     graphicType "0..1" --&gt; pictureCaption : pictureCaption     graphicType "0..1" --&gt; sourceDate : sourceDate     graphicType "0..1" --&gt; pictureInformation : pictureInformation     graphicType "0..1" --&gt; bearingInformation : bearingInformation   </pre> <p>Pictorial information such as a photograph, sketch or other graphic, optionally accompanied by descriptive information...</p>						
Type	graphicType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pictorialRepresentation+ , pictureCaption{0,1} , sourceDate{0,1} , pictureInformation{0,1} , bearingInformation{0,1}						

### Element FeatureTypeType / sourceIndication

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Diagram							
Type	sourceIndicationType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*						

### Element FeatureType / textContent

Namespace	http://www.ihc.int/S122/2.0						
Diagram							
Type	textContentType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

### Element FeatureType / permission

Namespace	http://www.ihc.int/S122/2.0
Annotations	Applicability[0..*]

Diagram	<pre> classDiagram     permissionType &lt; -- gml:ReferenceType     permissionType --&gt; permission     permission --&gt; PermissionType     gml:ReferenceType &lt; -- gmt:OwnershipAttributeGroup     gml:ReferenceType &lt; -- gmt:AssociationAttributeGroup   </pre>																																																		
Type	permissionType																																																		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:ReferenceType</li> <li>• permissionType</li> </ul>																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model	PermissionType																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																															
nilReason	gml:NilReasonType			optional																																															
owns	boolean		false	optional																																															
xlink:actuate	xlink:actuateType			optional																																															
xlink:arcrole	xlink:arcroleType			optional																																															
xlink:href	xlink:hrefType			optional																																															
xlink:role	xlink:roleType			optional																																															
xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

### Element permissionType / PermissionType

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram	<p>The diagram illustrates the UML class <b>PermissionTypeType</b>. It has an attribute <b>gml:id</b> (type xs:string) which supports provision of a handle for the XML element representing a GML Object. Its use is mandatory. It also has an association class <b>categoryOfRelationship</b> (type <b>categoryOfRelationshipType</b>), which is described as an association class for associations describing whether the subsets of vessels determined by the ship characteristics...</p>									
Type	PermissionTypeType									
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1			
content:	complex									
minOccurs:	1									
maxOccurs:	1									
Model	categoryOfRelationship									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>gml:id</b></td><td style="padding: 2px;">ID</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<b>gml:id</b>	ID	optional			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.
QName	Type	Use								
<b>gml:id</b>	ID	optional								
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.								

### Element **PermissionTypeType / categoryOfRelationship**

Namespace	http://www.ihc.int/S122/2.0								
Diagram	<p>The diagram illustrates the UML class <b>categoryOfRelationshipType</b>. It has a base type <b>categoryOfRelationshipLabel</b>. The <b>categoryOfRelationshipLabel</b> has a description: Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or... It also has an attribute <b>code</b> (type <b>categoryOfRelationshipCode</b>). The <b>code</b> has a description: Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or...</p>								
Type	categoryOfRelationshipType								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• categoryOfRelationshipLabel</li> <li>• categoryOfRelationshipType</li> </ul>								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>code</b></td><td style="padding: 2px;">categoryOfRelationshipCode</td><td style="padding: 2px;">required</td></tr> </tbody> </table>	QName	Type	Use	<b>code</b>	categoryOfRelationshipCode	required		
QName	Type	Use							
<b>code</b>	categoryOfRelationshipCode	required							

### Element **FeatureTypeType / theRxN**

Namespace	http://www.ihc.int/S122/2.0		
-----------	-----------------------------	--	--

Annotations	AbstractRxN[0..*]																																																		
Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <b>gml:ReferenceType</b> to the derived element <b>theRxN</b>. The <b>theRxN</b> element is shown with its type set to <b>gml:ReferenceType</b> and occurs as <b>AbstractRxN[0..*]</b>. It inherits two attribute groups: <b>gml:OwnershipAttributeGroup</b> and <b>gml:AssociationAttributeGroup</b>. A callout box for <b>gml:OwnershipAttributeGroup</b> states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." A callout box for <b>gml:AssociationAttributeGroup</b> states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." A final callout box at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<b>gml:ReferenceType</b>																																																		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model																																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><b>nilReason</b></td> <td><b>gml:NilReasonType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>owns</b></td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><b>xlink:actuate</b></td> <td><b>xlink:actuateType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:arcrole</b></td> <td><b>xlink:arcroleType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:href</b></td> <td><b>xlink:hrefType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:role</b></td> <td><b>xlink:roleType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:show</b></td> <td><b>xlink:showType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:title</b></td> <td><b>xlink:titleAttrType</b></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><b>xlink:type</b></td> <td><b>xlink:typeType</b></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<b>nilReason</b>	<b>gml:NilReasonType</b>			optional	<b>owns</b>	boolean		false	optional	<b>xlink:actuate</b>	<b>xlink:actuateType</b>			optional	<b>xlink:arcrole</b>	<b>xlink:arcroleType</b>			optional	<b>xlink:href</b>	<b>xlink:hrefType</b>			optional	<b>xlink:role</b>	<b>xlink:roleType</b>			optional	<b>xlink:show</b>	<b>xlink:showType</b>			optional	<b>xlink:title</b>	<b>xlink:titleAttrType</b>			optional	<b>xlink:type</b>	<b>xlink:typeType</b>	simple		optional
QName	Type	Fixed	Default	Use																																															
<b>nilReason</b>	<b>gml:NilReasonType</b>			optional																																															
<b>owns</b>	boolean		false	optional																																															
<b>xlink:actuate</b>	<b>xlink:actuateType</b>			optional																																															
<b>xlink:arcrole</b>	<b>xlink:arcroleType</b>			optional																																															
<b>xlink:href</b>	<b>xlink:hrefType</b>			optional																																															
<b>xlink:role</b>	<b>xlink:roleType</b>			optional																																															
<b>xlink:show</b>	<b>xlink:showType</b>			optional																																															
<b>xlink:title</b>	<b>xlink:titleAttrType</b>			optional																																															
<b>xlink:type</b>	<b>xlink:typeType</b>	simple		optional																																															

### Element FeatureType / theInformation

Namespace	http://www.ihc.int/S122/2.0		
Annotations	NauticalInformation[0..*]		
Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <b>gml:ReferenceType</b> to the derived element <b>theInformation</b>. The <b>theInformation</b> element is shown with its type set to <b>gml:ReferenceType</b> and occurs as <b>NauticalInformation[0..*]</b>. It inherits two attribute groups: <b>gml:OwnershipAttributeGroup</b> and <b>gml:AssociationAttributeGroup</b>. A callout box for <b>gml:OwnershipAttributeGroup</b> states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." A callout box for <b>gml:AssociationAttributeGroup</b> states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." A final callout box at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>		
Type	<b>gml:ReferenceType</b>		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		

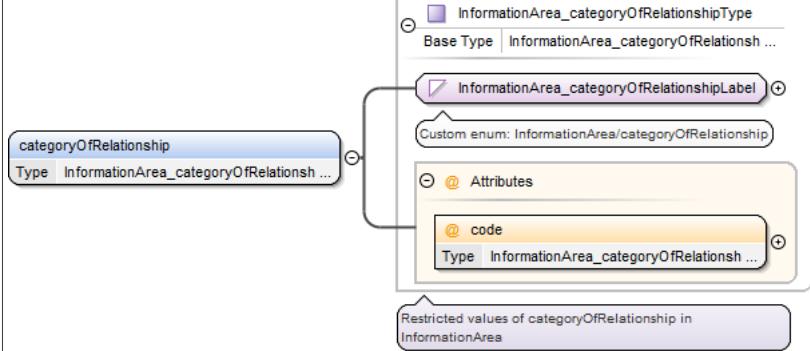
	minOccurs:	0				
	maxOccurs:	unbounded				
Model						
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>	
	<b>nilReason</b>	gml:NilReasonType			optional	
	<b>owns</b>	boolean		false	optional	
	<b>xlink:actuate</b>	xlink:actuateType			optional	
	<b>xlink:arcrole</b>	xlink:arcroleType			optional	
	<b>xlink:href</b>	xlink:hrefType			optional	
	<b>xlink:role</b>	xlink:roleType			optional	
	<b>xlink:show</b>	xlink:showType			optional	
	<b>xlink:title</b>	xlink:titleAttrType			optional	
	<b>xlink:type</b>	xlink:typeType	simple		optional	

### Element FeatureType / theCartographicText

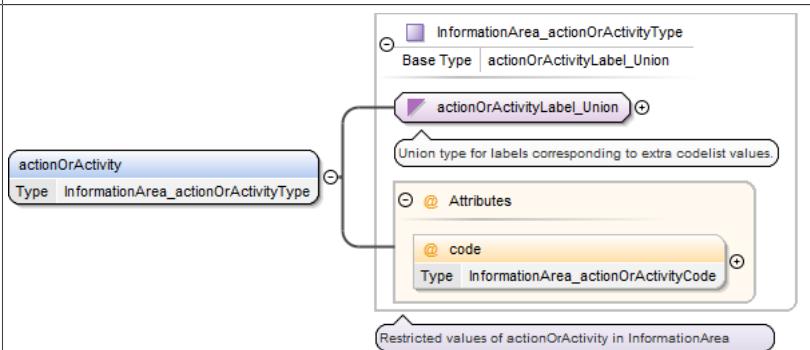
Namespace	http://www.ihc.int/S122/2.0											
Annotations	TextPlacement[0..1]											
Diagram	<p>The diagram shows the UML class <b>theCartographicText</b> which is a subtype of <b>gml:ReferenceType</b>. It has two attributes: <b>gml:OwnershipAttributeGroup</b> and <b>gml:AssociationAttributeGroup</b>. It also has a relationship with <b>TextPlacement[0..1]</b> and another with <b>gml:ReferenceType</b>.</p>											
Type	gml:ReferenceType											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>						content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex											
minOccurs:	0											
maxOccurs:	1											
Model												
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>							
	<b>nilReason</b>	gml:NilReasonType			optional							
	<b>owns</b>	boolean		false	optional							
	<b>xlink:actuate</b>	xlink:actuateType			optional							
	<b>xlink:arcrole</b>	xlink:arcroleType			optional							
	<b>xlink:href</b>	xlink:hrefType			optional							
	<b>xlink:role</b>	xlink:roleType			optional							
	<b>xlink:show</b>	xlink:showType			optional							
	<b>xlink:title</b>	xlink:titleAttrType			optional							
	<b>xlink:type</b>	xlink:typeType	simple		optional							

### Element InformationAreaType / categoryOfRelationship

Namespace	http://www.ihc.int/S122/2.0					
-----------	-----------------------------	--	--	--	--	--

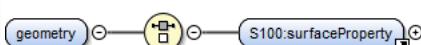
Diagram									
Type	InformationArea_categoryOfRelationshipType								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• InformationArea_categoryOfRelationshipLabel</li> <li>• InformationArea_categoryOfRelationshipType</li> </ul> </li> </ul>								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>InformationArea_categoryOfRelationshipCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	InformationArea_categoryOfRelationshipCode	required		
QName	Type	Use							
code	InformationArea_categoryOfRelationshipCode	required							

### Element InformationAreaType / actionOrActivity

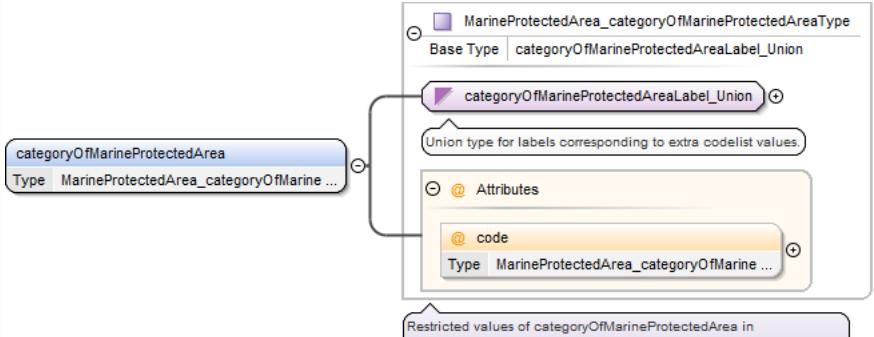
Namespace	http://www.aho.int/S122/2.0								
Diagram									
Type	InformationArea_actionOrActivityType								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:anySimpleType           <ul style="list-style-type: none"> <li>• actionOrActivityLabel_Union</li> <li>• InformationArea_actionOrActivityType</li> </ul> </li> </ul>								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>InformationArea_actionOrActivityCode</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	InformationArea_actionOrActivityCode	optional		
QName	Type	Use							
code	InformationArea_actionOrActivityCode	optional							

### Element InformationAreaType / geometry

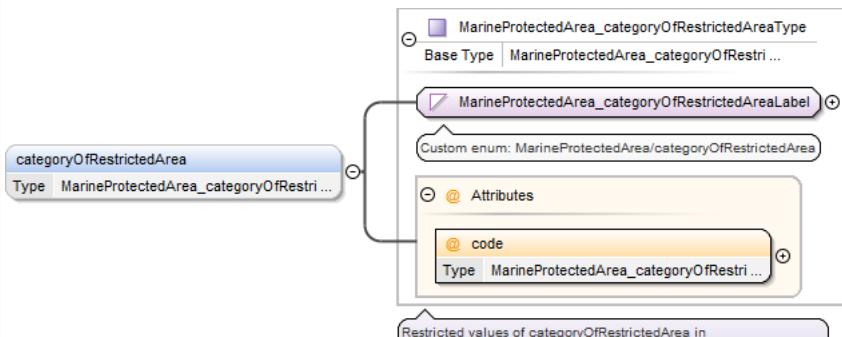
Namespace	http://www.aho.int/S122/2.0
-----------	-----------------------------

Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	surfaceProperty

### Element MarineProtectedAreaType / categoryOfMarineProtectedArea

Namespace	http://www.ihodata.org/S122/2.0						
Diagram							
Type	MarineProtectedArea_categoryOfMarineProtectedAreaType						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:anySimpleType           <ul style="list-style-type: none"> <li>categoryOfMarineProtectedAreaLabel_Union</li> <li>MarineProtectedArea_categoryOfMarineProtectedAreaType</li> </ul> </li> </ul>						
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p> <p>nillable: true</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>MarineProtectedArea_categoryOfMarineProtectedAreaCode</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	MarineProtectedArea_categoryOfMarineProtectedAreaCode	optional
QName	Type	Use					
code	MarineProtectedArea_categoryOfMarineProtectedAreaCode	optional					

### Element MarineProtectedAreaType / categoryOfRestrictedArea

Namespace	http://www.ihodata.org/S122/2.0
Diagram	
Type	MarineProtectedArea_categoryOfRestrictedAreaType
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>MarineProtectedArea_categoryOfRestrictedAreaLabel</li> <li>MarineProtectedArea_categoryOfRestrictedAreaType</li> </ul> </li> </ul>
Properties	content: complex

	minOccurs:	0	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	code	MarineProtectedArea_catego- ryOfRestrictedAreaCode	required

### Element MarineProtectedAreaType / jurisdiction

Namespace	http://www.ihodata.org/S122/2.0		
Diagram	<pre> classDiagram     class jurisdiction {         &lt;&lt;MarineProtectedArea_jurisdictionType&gt;&gt;         &lt;&lt;MarineProtectedArea_jurisdictionLabel&gt;&gt;         &lt;&lt;Custom enum: MarineProtectedArea/jurisdiction&gt;&gt;         &lt;&lt;@ Attributes&gt;&gt;         &lt;&lt;@ code&gt;&gt;         &lt;&lt;Type MarineProtectedArea_jurisdictionCode&gt;&gt;     }     jurisdiction &lt; -- jurisdictionType     jurisdiction &lt; -- jurisdictionLabel     jurisdiction &lt; -- Attributes     jurisdiction &lt; -- code   </pre> <p>Restricted values of jurisdiction in MarineProtectedArea</p>		
Type	MarineProtectedArea_jurisdictionType		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• MarineProtectedArea_jurisdictionLabel</li> <li>• MarineProtectedArea_jurisdictionType</li> </ul> </li> </ul>		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Attributes	QName	Type	Use
	code	MarineProtectedArea_jurisdictionCode	required

### Element MarineProtectedAreaType / restriction

Namespace	http://www.ihodata.org/S122/2.0		
Diagram	<pre> classDiagram     class restriction {         &lt;&lt;MarineProtectedArea_restrictionType&gt;&gt;         &lt;&lt;MarineProtectedArea_restrictionLabel&gt;&gt;         &lt;&lt;Custom enum: MarineProtectedArea/restriction&gt;&gt;         &lt;&lt;@ Attributes&gt;&gt;         &lt;&lt;@ code&gt;&gt;         &lt;&lt;Type MarineProtectedArea_restrictionCode&gt;&gt;     }     restriction &lt; -- restrictionType     restriction &lt; -- restrictionLabel     restriction &lt; -- Attributes     restriction &lt; -- code   </pre> <p>Restricted values of restriction in MarineProtectedArea</p>		
Type	MarineProtectedArea_restrictionType		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• MarineProtectedArea_restrictionLabel</li> <li>• MarineProtectedArea_restrictionType</li> </ul> </li> </ul>		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		

Attributes	QName	Type	Use
	code	MarineProtectedArea_restrictionCode	required

### Element MarineProtectedAreaType / status

Namespace	http://www.ihodata.org/S122/2.0		
Diagram	<pre> classDiagram     class MarineProtectedArea_statusType {         statusLabel : MarineProtectedAreaStatusLabel         code : MarineProtectedArea_statusCode     }     class MarineProtectedAreaStatusLabel {         Custom enum: MarineProtectedArea/status     }     class MarineProtectedArea_statusCode {         @ code     }     class jurisdiction     class text     class designationScheme     class designationIdentifier     class designationJurisdiction     class designationText     class designation   </pre>		
Type	MarineProtectedArea_statusType		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>MarineProtectedAreaStatusLabel</li> <li>MarineProtectedArea_statusType</li> </ul> </li> </ul>		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	code	MarineProtectedArea_statusCode	required

### Element MarineProtectedAreaType / designation

Namespace	http://www.ihodata.org/S122/2.0		
Diagram	<pre> classDiagram     class designationType {         designationScheme : designationSchemeType         designationIdentifier : designationIdentifierType         jurisdiction : designation_jurisdictionType         text : textType     }     class designation   </pre>		
Type	designationType		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		
Model	designationScheme{0,1} , designationIdentifier{0,1} , jurisdiction{0,1} , text{0,1}		

### Element MarineProtectedAreaType / responsibleAuthority

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Annotations	Authority[0..*]																																																		
Diagram	<p>The diagram illustrates the UML class <code>gml:ReferenceType</code>. It has a multiplicity of <code>0..*</code> for the attribute <code>responsibleAuthority</code>, which is of type <code>gml:ReferenceType</code> and also has a multiplicity of <code>0..*</code>. The class contains two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A general note at the bottom says: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
content:	complex																																																		
minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
Model	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>nilReason</code></td> <td><code>gml:nilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>owns</code></td> <td><code>boolean</code></td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td><code>xlink:actuate</code></td> <td><code>xlink:actuateType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:arcrole</code></td> <td><code>xlink:arcroleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:href</code></td> <td><code>xlink:hrefType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:role</code></td> <td><code>xlink:roleType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:show</code></td> <td><code>xlink:showType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:title</code></td> <td><code>xlink:titleAttrType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td><code>xlink:type</code></td> <td><code>xlink:typeType</code></td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:nilReasonType</code>			optional	<code>owns</code>	<code>boolean</code>		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional	<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional
QName	Type	Fixed	Default	Use																																															
<code>nilReason</code>	<code>gml:nilReasonType</code>			optional																																															
<code>owns</code>	<code>boolean</code>		false	optional																																															
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																															
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																															
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																															
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																															
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																															
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																															
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

### Element MarineProtectedAreaType / geometry

Namespace	http://www.ihc.int/S122/2.0				
Diagram	<p>The diagram illustrates the UML class <code>geometry</code>. It has two associations: one to <code>S100:curveProperty</code> and another to <code>S100:surfaceProperty</code>.</p>				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	<code>curveProperty   surfaceProperty</code>				

### Element RestrictedAreaType / categoryOfRestrictedArea

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram									
Type	RestrictedArea_categoryOfRestrictedAreaType								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• RestrictedArea_categoryOfRestrictedAreaLabel</li> <li>• RestrictedArea_categoryOfRestrictedAreaType</li> </ul> </li> </ul>								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px; text-align: center;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px; text-align: center;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px; text-align: center;">unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded		
content:	complex								
minOccurs:	0								
maxOccurs:	unbounded								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th> <th style="padding: 2px;">Type</th> <th style="padding: 2px;">Use</th> <th style="padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td> <td style="padding: 2px;">RestrictedArea_categoryOfRestrictedAreaCode</td> <td style="padding: 2px; text-align: center;">required</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	QName	Type	Use		code	RestrictedArea_categoryOfRestrictedAreaCode	required	
QName	Type	Use							
code	RestrictedArea_categoryOfRestrictedAreaCode	required							

### Element RestrictedAreaType / restriction

Namespace	http://www.aho.int/S122/2.0										
Diagram											
Type	RestrictedArea_restrictionType										
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• RestrictedArea_restrictionLabel</li> <li>• RestrictedArea_restrictionType</li> </ul> </li> </ul>										
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px; text-align: center;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px; text-align: center;">1</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px; text-align: center;">unbounded</td> </tr> <tr> <td style="padding: 2px;">nillable:</td> <td style="padding: 2px; text-align: center;">true</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	unbounded	nillable:	true
content:	complex										
minOccurs:	1										
maxOccurs:	unbounded										
nillable:	true										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th> <th style="padding: 2px;">Type</th> <th style="padding: 2px;">Use</th> <th style="padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td> <td style="padding: 2px;">RestrictedArea_restrictionCode</td> <td style="padding: 2px; text-align: center;">required</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>			QName	Type	Use		code	RestrictedArea_restrictionCode	required	
QName	Type	Use									
code	RestrictedArea_restrictionCode	required									

### Element RestrictedAreaType / status

Namespace	http://www.aho.int/S122/2.0		
-----------	-----------------------------	--	--

Diagram							
Type	RestrictedArea_statusType						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string</li> <li>• RestrictedAreaStatusLabel</li> <li>• RestrictedArea_statusType</li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RestrictedArea_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RestrictedArea_statusCode	required
QName	Type	Use					
code	RestrictedArea_statusCode	required					

### Element RestrictedAreaType / geometry

Namespace	http://www.ihoint/S122/2.0				
Diagram					
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

### Element VesselTrafficServiceAreaType / controlAuthority

Namespace	http://www.ihoint/S122/2.0				
Annotations	Authority[0..1]				
Diagram					
Type	gml:ReferenceType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs:	1				
Model						
Attributes	QName	Type	Fixed	Default	Use	
	<b>nilReason</b>	gml:NilReasonType			optional	
	<b>owns</b>	boolean		false	optional	
	<b>xlink:actuate</b>	xlink:actuateType			optional	
	<b>xlink:arcrole</b>	xlink:arcroleType			optional	
	<b>xlink:href</b>	xlink:hrefType			optional	
	<b>xlink:role</b>	xlink:roleType			optional	
	<b>xlink:show</b>	xlink:showType			optional	
	<b>xlink:title</b>	xlink:titleAttrType			optional	
	<b>xlink:type</b>	xlink:typeType	simple		optional	

### Element **vesselTrafficServiceAreaType / geometry**

Namespace	http://www.ihc.int/S122/2.0				
Diagram	<pre> classDiagram     class geometry     class S100:surfaceProperty     geometry "1" --&gt; "1" S100:surfaceProperty   </pre>				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

### Element **DataCoverageType / maximumDisplayScale**

Namespace	http://www.ihc.int/S122/2.0								
Diagram	<pre> classDiagram     class maximumDisplayScale     class maximumDisplayScaleType     maximumDisplayScale "1" --&gt; "1" maximumDisplayScaleType     note over maximumDisplayScaleType: The largest intended viewing scale for the data   </pre>								
Type	maximumDisplayScaleType								
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Facets	minInclusive 1								

### Element **DataCoverageType / minimumDisplayScale**

Namespace	http://www.ihc.int/S122/2.0								
Diagram	<pre> classDiagram     class minimumDisplayScale     class minimumDisplayScaleType     minimumDisplayScale "1" --&gt; "1" minimumDisplayScaleType     note over minimumDisplayScaleType: The smallest intended viewing scale for the data   </pre>								
Type	minimumDisplayScaleType								
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Facets	minInclusive 1								

### Element **DataCoverageType / optimumDisplayScale**

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram							
Type	optimumDisplayScaleType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						

### Element DataCoverageType / interoperabilityIdentifier

Namespace	http://www.ihodata.org/S122/2.0						
Diagram							
Type	interoperabilityIdentifierType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Model	surfaceProperty						

### Element DataCoverageType / geometry

Namespace	http://www.ihodata.org/S122/2.0				
Diagram					
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

### Element QualityOfNonBathymetricDataType / categoryOfTemporalVariation

Namespace	http://www.ihodata.org/S122/2.0						
Diagram							
Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• QualityOfNonBathymetricData_categoryOfTemporalVariationLabel</li> <li>• QualityOfNonBathymetricData_categoryOfTemporalVariationType</li> </ul> </li> </ul>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						

Attributes	QName	Type	Use
	code	QualityOfNonBathymetricData_categoryOfTemporalVariationCode	required

### Element QualityOfNonBathymetricDataType / horizontalDistanceUncertainty

Namespace	http://www.ihodata.org/S122/2.0	
Diagram		
Type	horizontalDistanceUncertaintyType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minInclusive	0

### Element QualityOfNonBathymetricDataType / horizontalPositionUncertainty

Namespace	http://www.ihodata.org/S122/2.0	
Diagram		
Type	horizontalPositionUncertaintyType	
Properties	content: complex minOccurs: 0 maxOccurs: 1	
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}	

### Element QualityOfNonBathymetricDataType / orientationUncertainty

Namespace	http://www.ihodata.org/S122/2.0	
Diagram		
Type	orientationUncertaintyType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	

### Element QualityOfNonBathymetricDataType / interoperabilityIdentifier

Namespace	http://www.ihodata.org/S122/2.0	
Diagram		

Type	interoperabilityIdentifierType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

### Element QualityOfNonBathymetricDataType / sourceIndication

Namespace	http://www.ihodata.org/S122/2.0
Diagram	<pre> classDiagram     class sourceIndicationType {         categoryOfAuthority : sourceIndication_categoryOfAuthorityType         countryName : countryNameType         source : sourceType         sourceType : sourceIndication_sourceTypeType         reportedDate : reportedDateType         &lt;&lt;0..&gt;&gt; featureName : featureNameType     }     sourceIndicationType &lt; -- sourceIndication   </pre>
Type	sourceIndicationType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*

### Element QualityOfNonBathymetricDataType / surveyDateRange

Namespace	http://www.ihodata.org/S122/2.0
Diagram	<pre> classDiagram     class surveyDateRangeType {         dateStart : dateStartType         dateEnd : dateEndType     }     surveyDateRangeType &lt; -- surveyDateRange   </pre>
Type	surveyDateRangeType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	dateStart{0,1} , dateEnd

### Element QualityOfNonBathymetricDataType / information

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Diagram	<pre> classDiagram     informationType {         fileLocator : fileLocatorType         fileReference : fileReferenceType         headline : headlineType         language : languageType         text : textType     }     information : informationType     information "0..oo" --&gt; informationType     note : Textual information about the feature. The information may be provided as a string of text or as a file name of a...   </pre>						
Type	informationType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						

### Element QualityOfNonBathymetricDataType / geometry

Namespace	http://www.ihoint/S122/2.0				
Diagram	<pre> classDiagram     geometry     S100:surfaceProperty : surfaceProperty     geometry --&gt; S100:surfaceProperty   </pre>				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

### Element TextPlacementType / textOffsetBearing

Namespace	http://www.ihoint/S122/2.0								
Diagram	<pre> classDiagram     textOffsetBearing {         textOffsetBearingType     }     textOffsetBearingType     textOffsetBearing --&gt; textOffsetBearingType     note : The angular distance measured from true north that text associated with a feature is positioned from the feature in an end-user system.   </pre>								
Type	textOffsetBearingType								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">nillable:</td><td style="padding: 2px;">true</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">maxExclusive</td><td style="padding: 2px;">360</td></tr> <tr> <td style="padding: 2px;">minInclusive</td><td style="padding: 2px;">0</td></tr> </table>	maxExclusive	360	minInclusive	0				
maxExclusive	360								
minInclusive	0								

### Element TextPlacementType / textOffsetDistance

Namespace	http://www.ihoint/S122/2.0
Diagram	<pre> classDiagram     textOffsetDistance {         textOffsetDistanceType     }     textOffsetDistanceType     textOffsetDistance --&gt; textOffsetDistanceType     note : The distance that text associated with a feature is positioned from the feature in an end-user system.   </pre>
Type	textOffsetDistanceType

Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Facets	maxInclusive 50 minExclusive 0

### Element TextPlacementType / textRotation

Namespace	http://www.ihoint/S122/2.0
Diagram	
Type	textRotationType
Properties	content: simple minOccurs: 0 maxOccurs: 1

### Element TextPlacementType / textType

Namespace	http://www.ihoint/S122/2.0						
Diagram							
Type	TextPlacement_textTypeType						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string</li> <li>TextPlacement_textTypeLabel</li> <li>TextPlacement_textTypeType</li> </ul>						
Properties	content: complex minOccurs: 1 maxOccurs: 2 nillable: true						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>TextPlacement_textTypeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	TextPlacement_textTypeCode	required
QName	Type	Use					
code	TextPlacement_textTypeCode	required					

### Element TextPlacementType / scaleMinimum

Namespace	http://www.ihoint/S122/2.0
Diagram	

Type	scaleMinimumType						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

### Element TextPlacementType / thePositionProvider

Namespace	http://www.ih0.int/S122/2.0																																																		
Annotations	FeatureType[1..1]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1																																												
content:	complex																																																		
minOccurs:	1																																																		
maxOccurs:	1																																																		
Model																																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:nilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:nilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional	xlink:href	xlink:hrefType			optional	xlink:role	xlink:roleType			optional	xlink:show	xlink:showType			optional	xlink:title	xlink:titleAttrType			optional	xlink:type	xlink:typeType	simple		optional
QName	Type	Fixed	Default	Use																																															
nilReason	gml:nilReasonType			optional																																															
owns	boolean		false	optional																																															
xlink:actuate	xlink:actuateType			optional																																															
xlink:arcrole	xlink:arcroleType			optional																																															
xlink:href	xlink:hrefType			optional																																															
xlink:role	xlink:roleType			optional																																															
xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

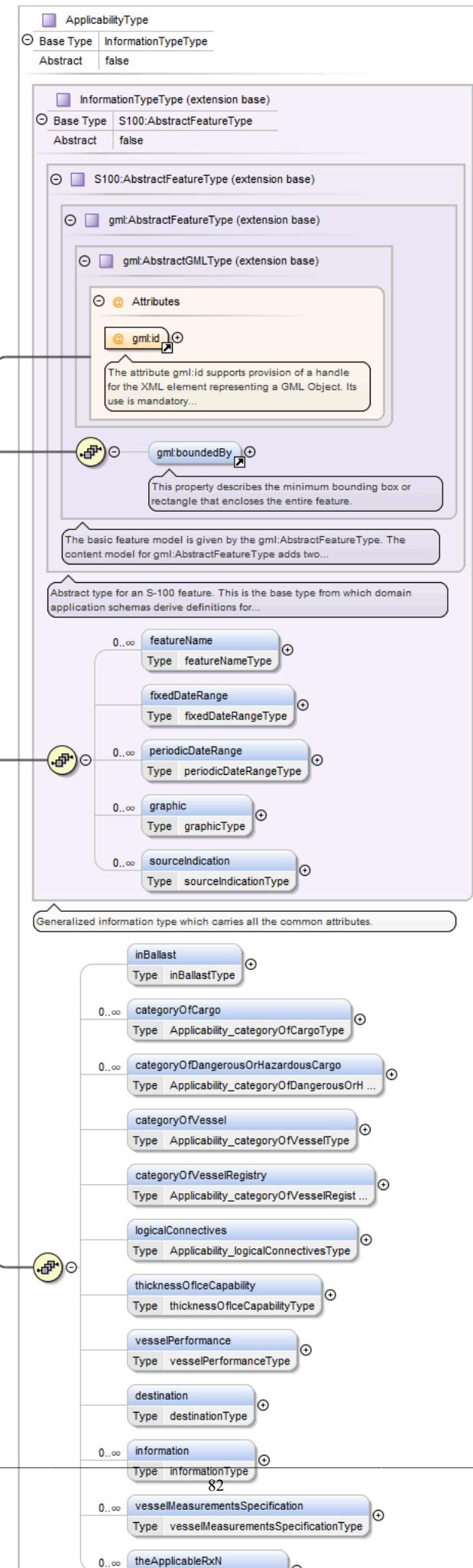
### Element TextPlacementType / geometry

Namespace	http://www.ih0.int/S122/2.0				
Diagram					
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty				

### Element Applicability

Namespace	http://www.ih0.int/S122/2.0
-----------	-----------------------------

Diagram

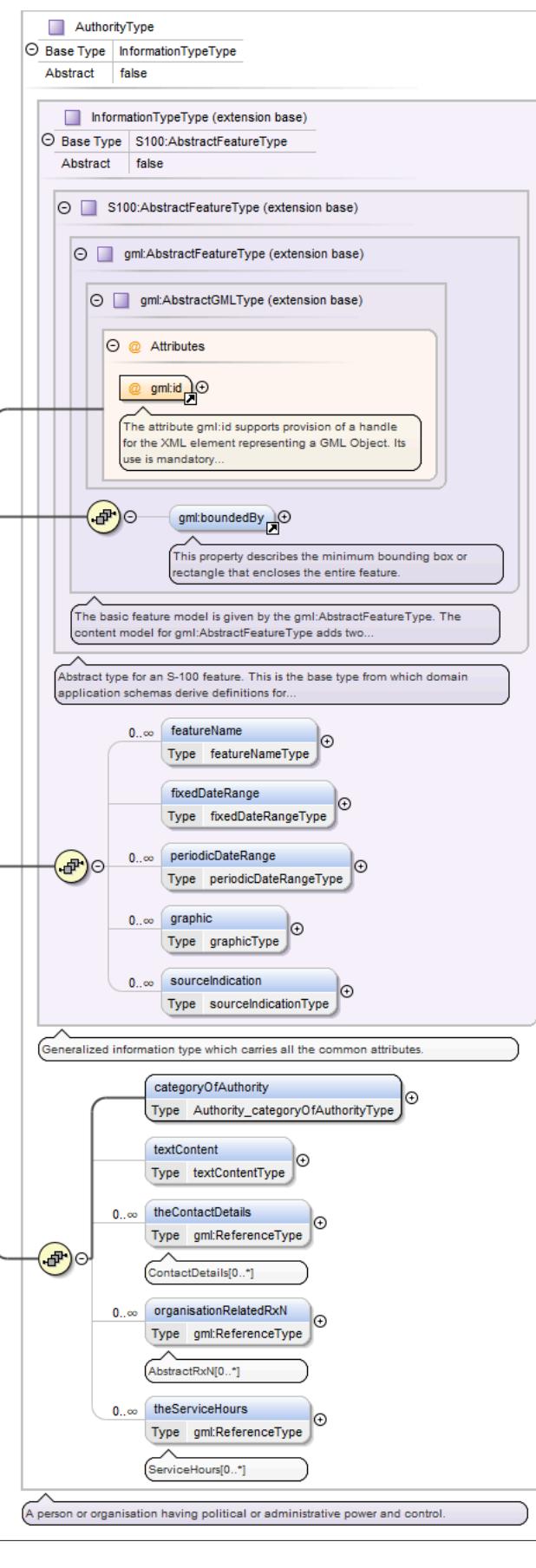


Type	ApplicabilityType										
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• InformationTypeType</li> <li>• ApplicabilityType</li> </ul>										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , inBallast{0,1} , categoryOfCargo* , categoryOfDangerousOrHazardousCargo* , categoryOfVessel{0,1} , categoryOfVesselRegistry{0,1} , logicalConnectives{0,1} , thicknessOfIceCapability{0,1} , vesselPerformance{0,1} , destination{0,1} , information* , vesselMeasurementsSpecification* , theApplicableRxN*										
Attributes	<table border="1" style="width: 100%;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		<b>gml:id</b>	ID	required		<p>The attribute <b>gml:id</b> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
<b>gml:id</b>	ID	required									

## Element Authority

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram



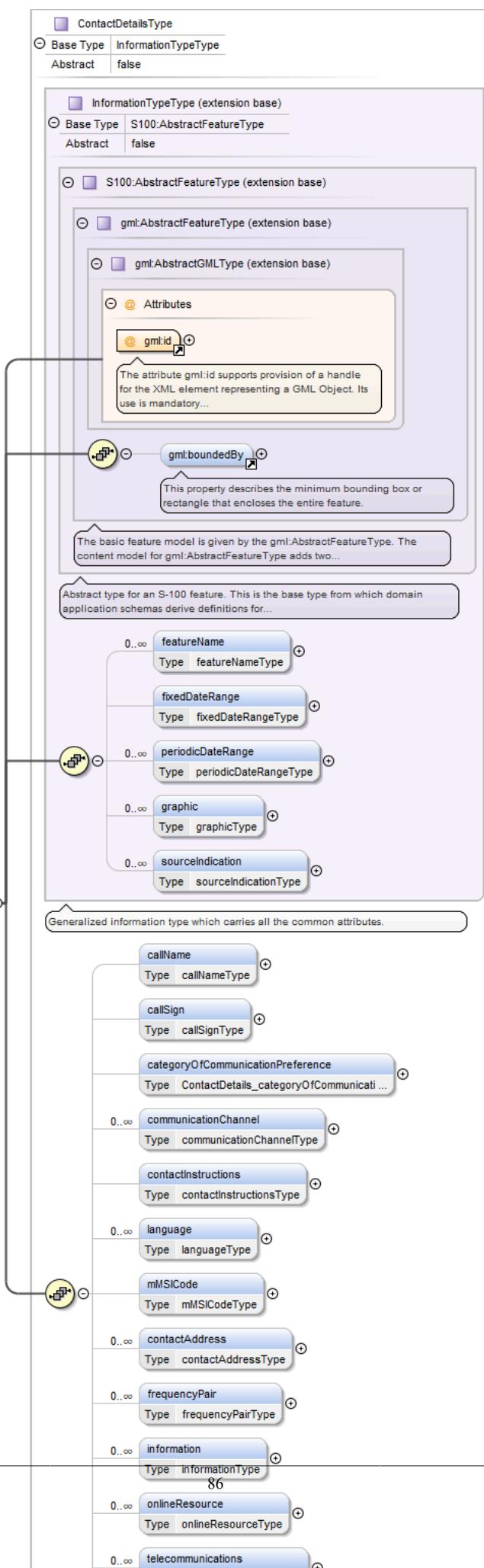
Type	AuthorityType
------	---------------

Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>AuthorityType</code></li> </ul>			
Properties	content: <code>complex</code>			
Used by	Element Group              MemberObjects			
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority</code> , <code>textContent{0,1}</code> , <code>theContactDetails*</code> , <code>organisationRelatedRxN*</code> , <code>theServiceHours*</code>			
Attributes	<b>QName</b> <code>gml:id</code>	<b>Type</b> ID	<b>Use</b> required	
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>			

## Element ContactDetails

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
-----------	---

Diagram

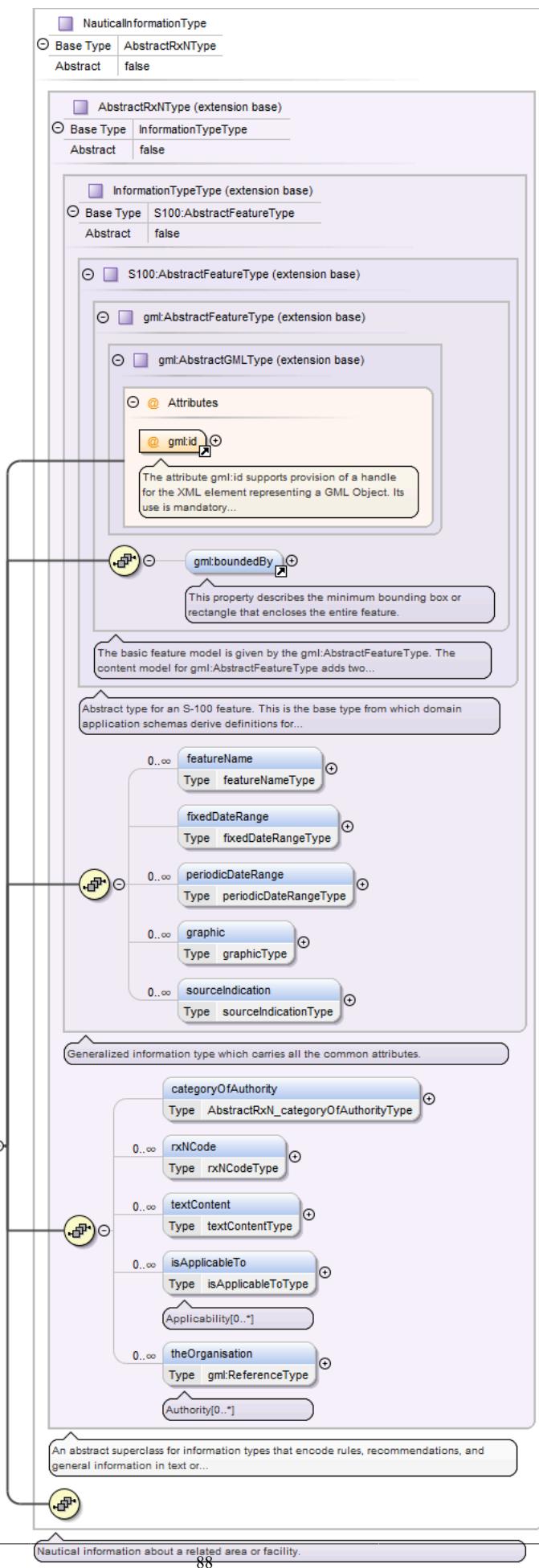


Type	ContactDetailsType										
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType               <ul style="list-style-type: none"> <li>• InformationTypeType</li> <li>• ContactDetailsType</li> </ul> </li> </ul> </li> </ul>										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , callName{0,1} , callSign{0,1} , categoryOfCommunicationPreference{0,1} , communicationChannel* , contactInstructions{0,1} , language* , mMSICode{0,1} , contactAddress* , frequencyPair* , information* , onlineResource* , telecommunications* , theAuthority*										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
gml:id	ID	required									

## Element NauticalInformation

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram

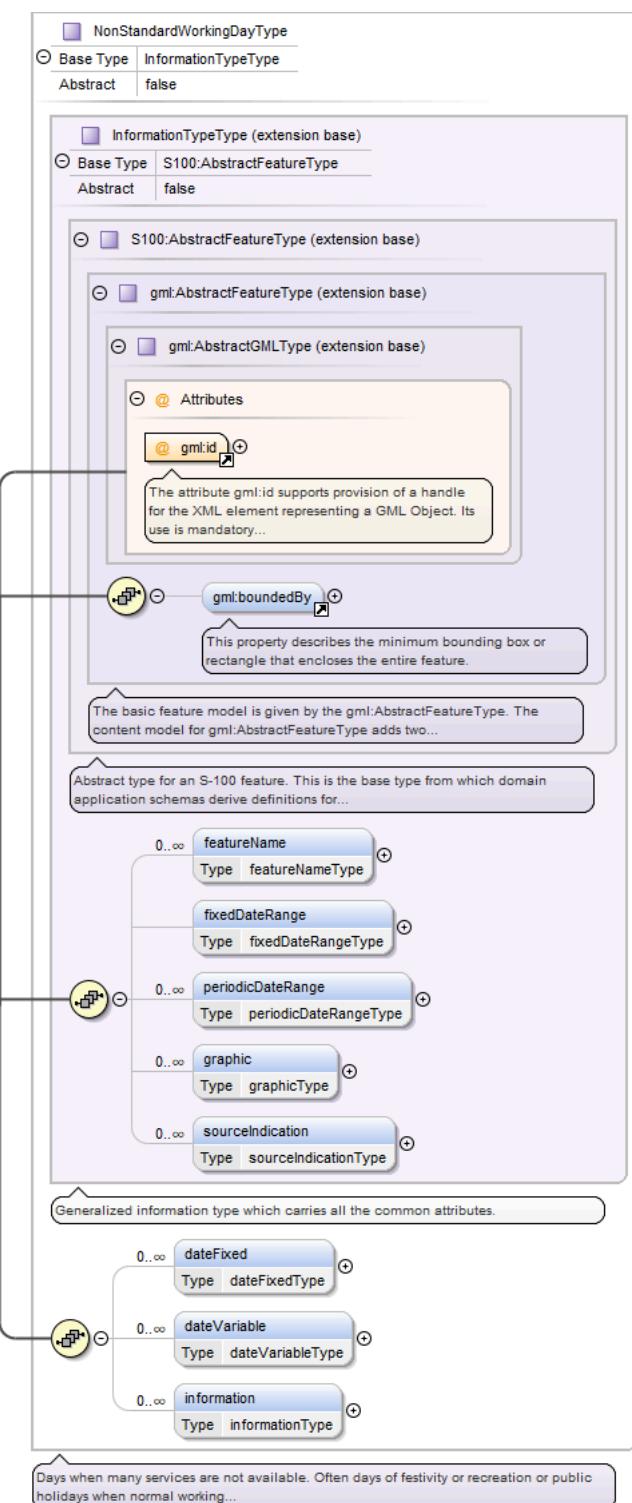


Type	NauticalInformationType														
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType</li> <li>• InformationTypeType</li> <li>• AbstractRxNType</li> <li>• NauticalInformationType</li> </ul> </li> </ul>														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3">           The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.         </td></tr> </tbody> </table>			QName	Type	Use		<b>gml:id</b>	ID	required			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
QName	Type	Use													
<b>gml:id</b>	ID	required													
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.														

## Element NonStandardWorkingDay

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram



Type	NonStandardWorkingDayType
------	---------------------------

Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType</li> <li>gml:AbstractFeatureType</li> <li>AbstractFeatureType</li> <li>InformationTypeType</li> <li>NonStandardWorkingDayType</li> </ul>
----------------	---

Properties	content: complex
------------	------------------

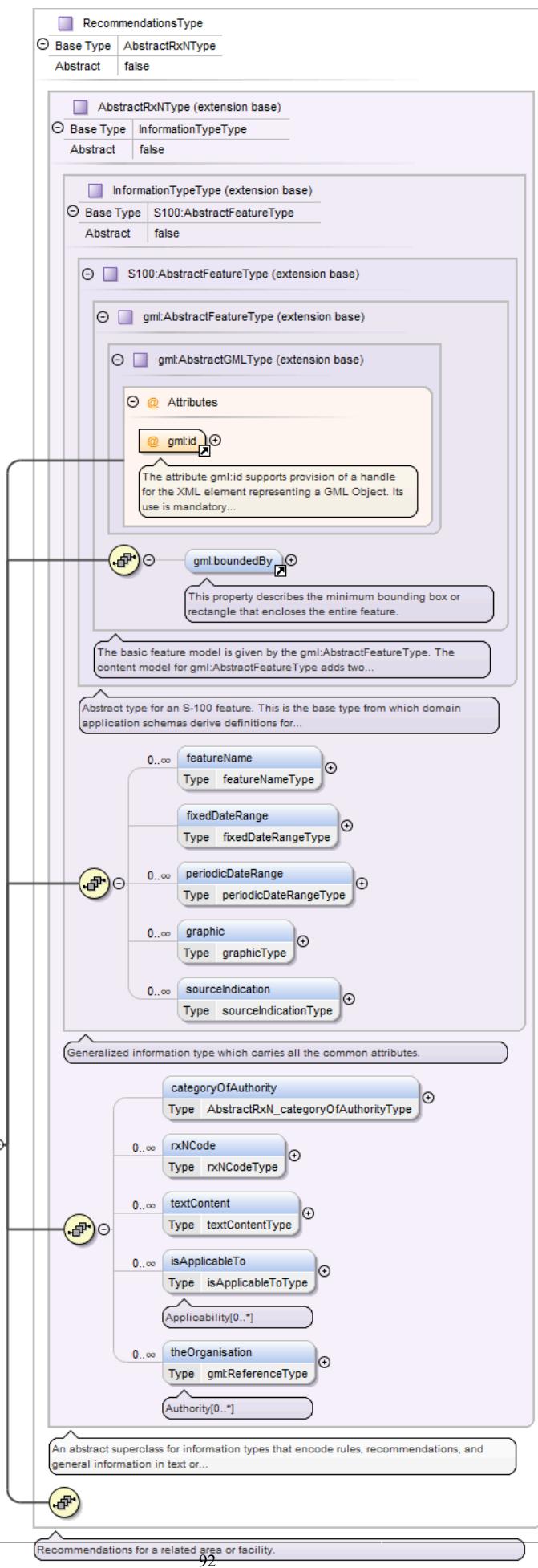
Used by	Element Group	MemberObjects	
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , dateFixed* , dateVariable* , information*		
Attributes	QName	Type	Use
	<b>gml:id</b>	ID	required

The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

## Element Recommendations

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram

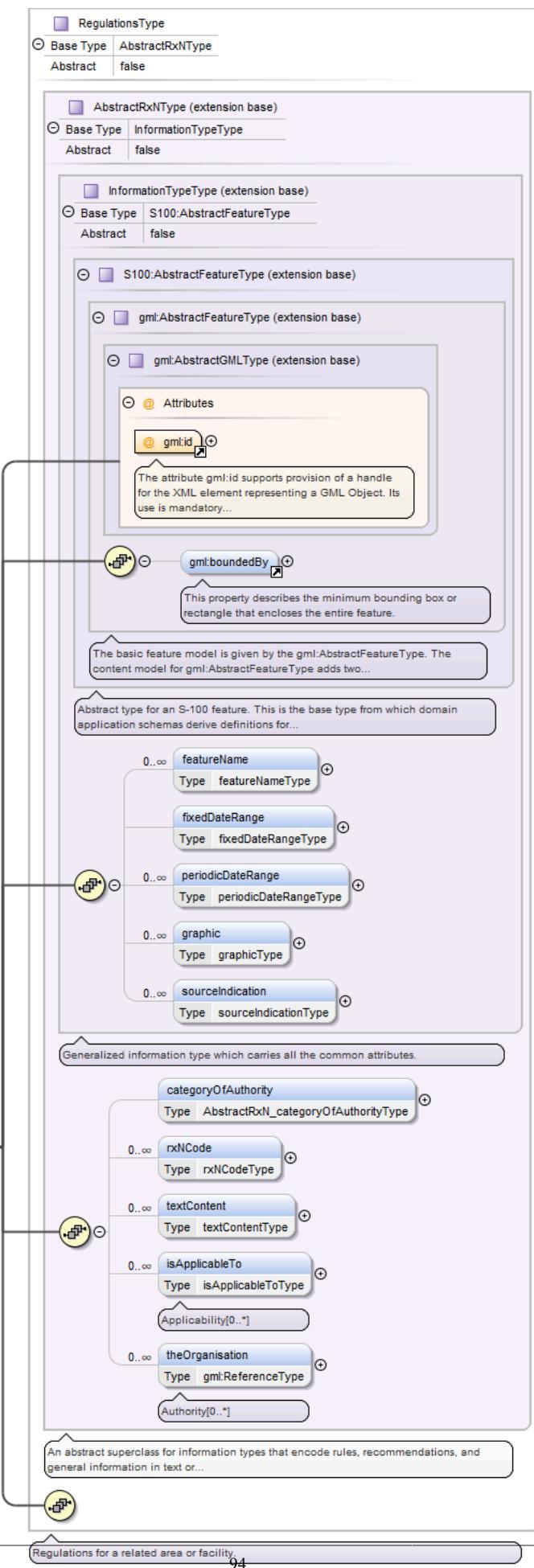


Type	RecommendationsType														
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType               <ul style="list-style-type: none"> <li>• InformationTypeType</li> <li>• AbstractRxNType</li> <li>• RecommendationsType</li> </ul> </li> </ul> </li> </ul>														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3">           The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.         </td> </tr> </tbody> </table>			QName	Type	Use		<b>gml:id</b>	ID	required			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
QName	Type	Use													
<b>gml:id</b>	ID	required													
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.														

## Element Regulations

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram

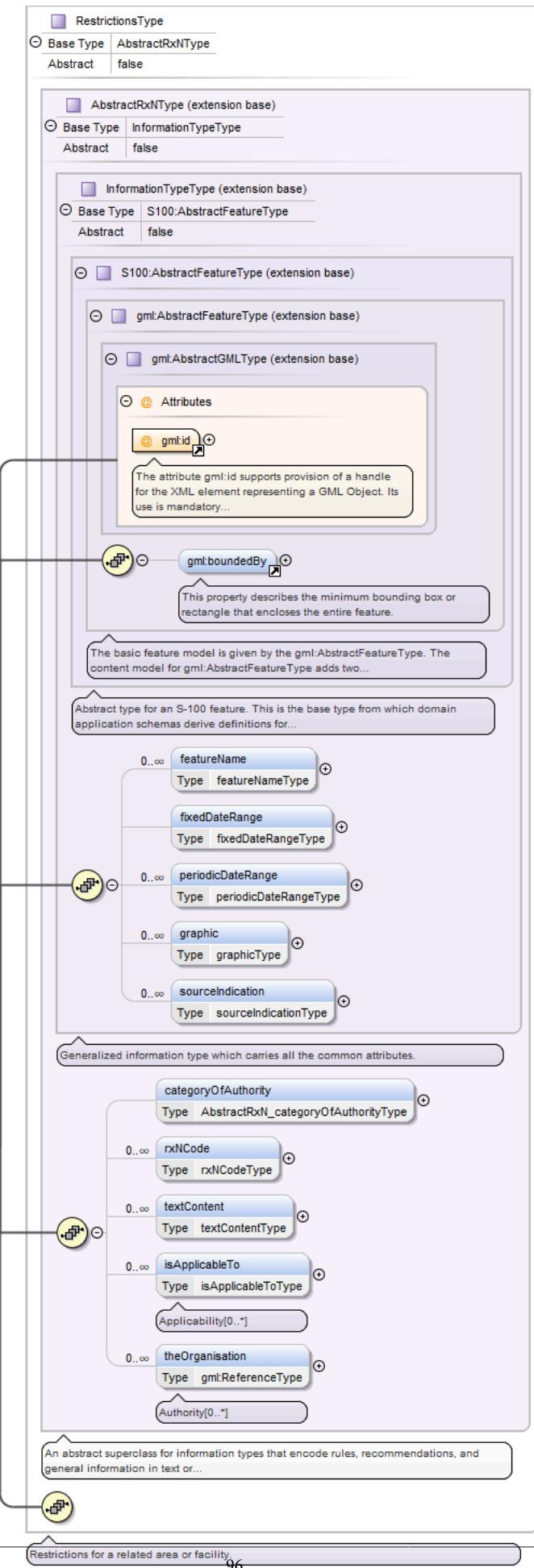


Type	RegulationsType														
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType               <ul style="list-style-type: none"> <li>• InformationTypeType</li> <li>• AbstractRxNType</li> <li>• RegulationsType</li> </ul> </li> </ul> </li> </ul>														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3">           The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.         </td> </tr> </tbody> </table>			QName	Type	Use		<b>gml:id</b>	ID	required			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		
QName	Type	Use													
<b>gml:id</b>	ID	required													
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.														

## Element Restrictions

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram

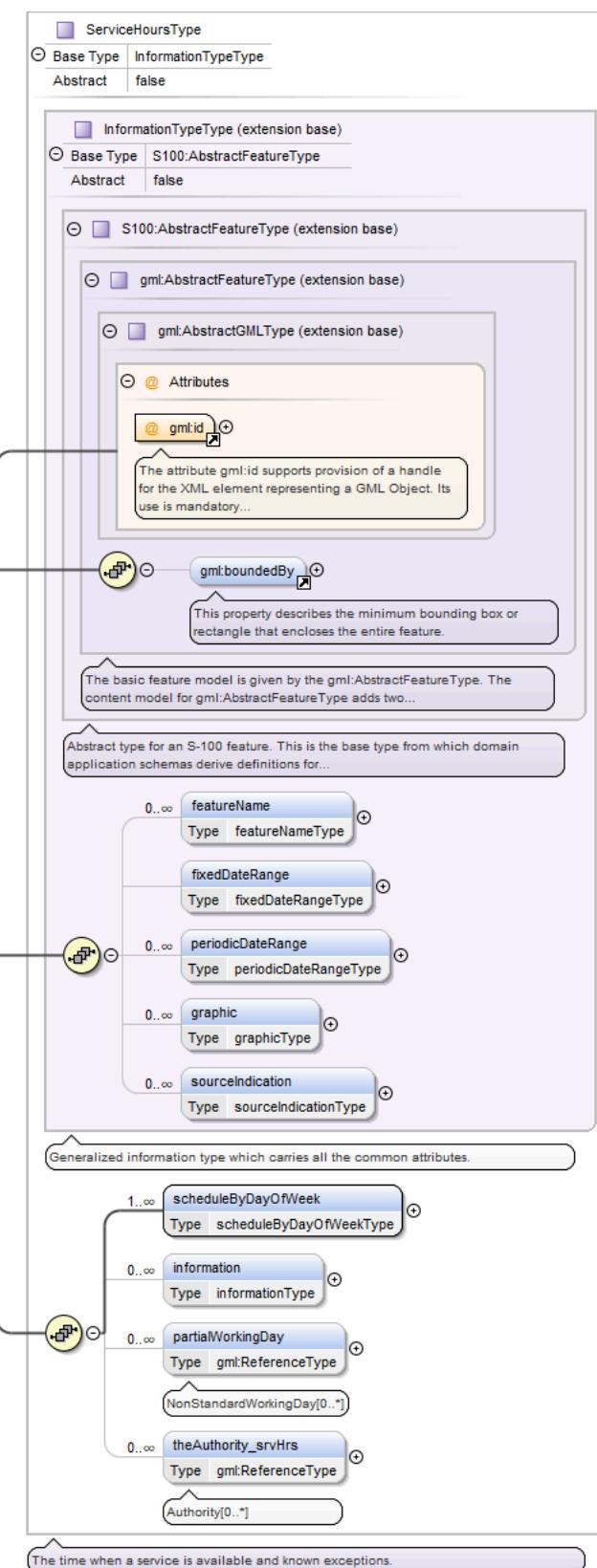


Type	RestrictionsType														
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>AbstractRxNType</code></li> <li>• <code>RestrictionsType</code></li> </ul>														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority{0,1}</code> , <code>rxNCode*</code> , <code>textContent*</code> , <code>isApplicableTo*</code> , <code>theOrganisation*</code>														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3"> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p> </td></tr> </tbody> </table>			QName	Type	Use		<code>gml:id</code>	ID	required			<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		
QName	Type	Use													
<code>gml:id</code>	ID	required													
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>														

## Element ServiceHours

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
-----------	---

Diagram



Type	ServiceHoursType
------	------------------

Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> </ul>
----------------	--

	<ul style="list-style-type: none"> <li>• InformationTypeType</li> <li>• ServiceHoursType</li> </ul>						
Properties	content: complex						
Used by	Element Group MemberObjects						
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , scheduleByDayOfWeek+ , information* , partialWorkingDay* , theAuthority_srvHrs*						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	gml:id	ID	required
QName	Type	Use					
gml:id	ID	required					

## Element SpatialQuality

Namespace	http://www.ihc.int/S122/2.0
Diagram	<p>SpatialQualityType</p> <p>Base Type: S100:AbstractFeatureType</p> <p>Abstract: false</p> <p>S100:AbstractFeatureType (extension base)</p> <p>gml:AbstractFeatureType (extension base)</p> <p>gml:AbstractGMLType (extension base)</p> <p>Attributes:</p> <ul style="list-style-type: none"> <li>gml:id</li> </ul> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p> <p>gml:boundedBy</p> <p>This property describes the minimum bounding box or rectangle that encloses the entire feature.</p> <p>The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...</p> <p>Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...</p> <p>qualityOfHorizontalMeasurement</p> <p>spatialAccuracy</p> <p>The indication of the quality of the locational information for features in a dataset.</p>
Type	SpatialQualityType
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• SpatialQualityType</li> </ul>
Properties	content: complex
Used by	Element Group MemberObjects
Model	gml:boundedBy{0,1} , qualityOfHorizontalMeasurement{0,1} , spatialAccuracy*

Attributes	QName	Type	Use	
	gml:id	ID	required	
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.		

## Element InformationArea

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram

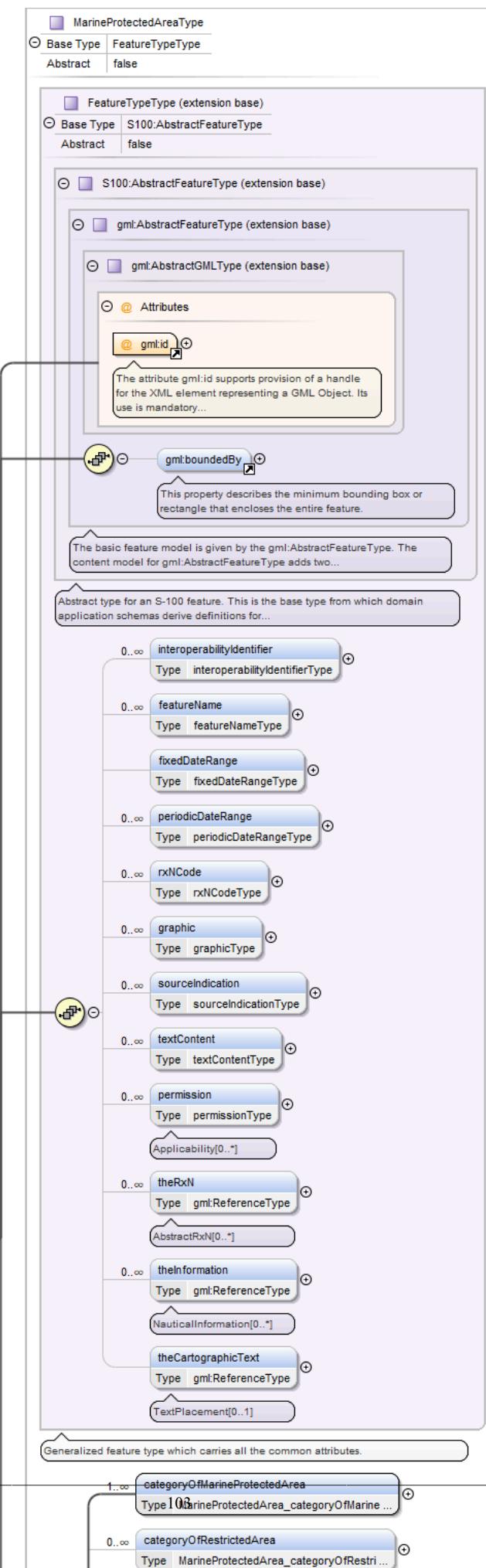


Type	InformationAreaType		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType</li> <li>• FeatureTypeType</li> <li>• InformationAreaType</li> </ul> </li> </ul>		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfRelationship , actionOrActivity , geometry+		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
		ID	required
		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	

## Element MarineProtectedArea

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Diagram

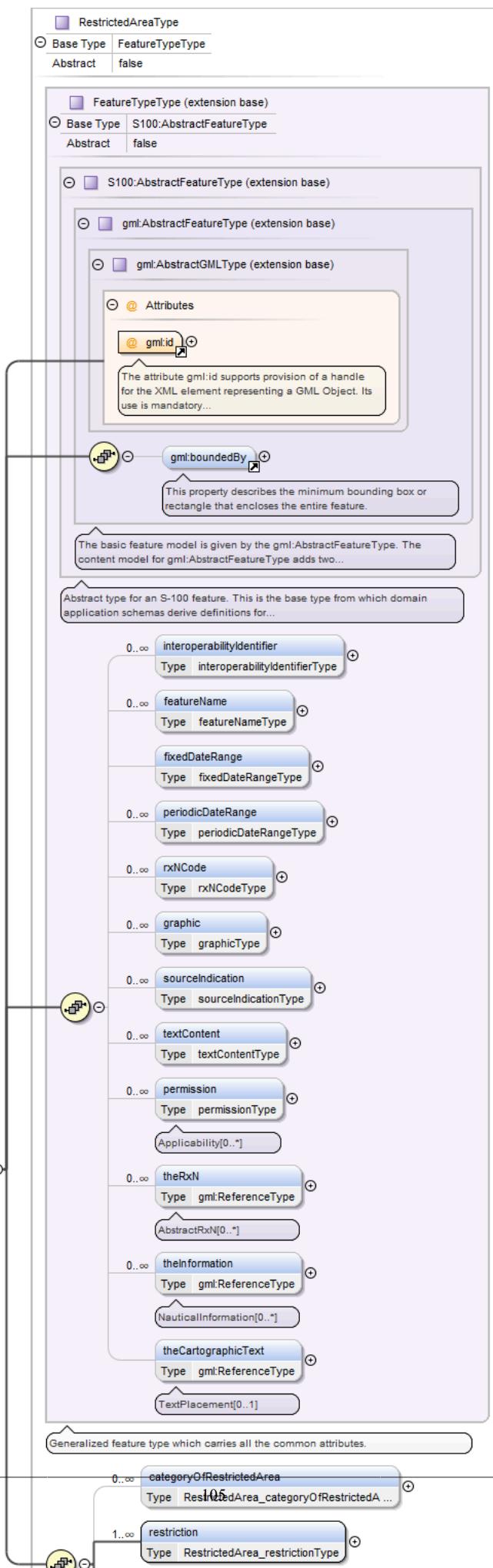


Type	MarineProtectedAreaType										
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType</li> <li>• FeatureTypeType</li> </ul> </li> <li>• MarineProtectedAreaType</li> </ul>										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfMarineProtectedArea+ , categoryOfRestrictedArea* , jurisdiction{0,1} , restriction* , status* , designation* , responsibleAuthority* , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		<b>gml:id</b>	ID	required		<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
<b>gml:id</b>	ID	required									

## Element RestrictedArea

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram

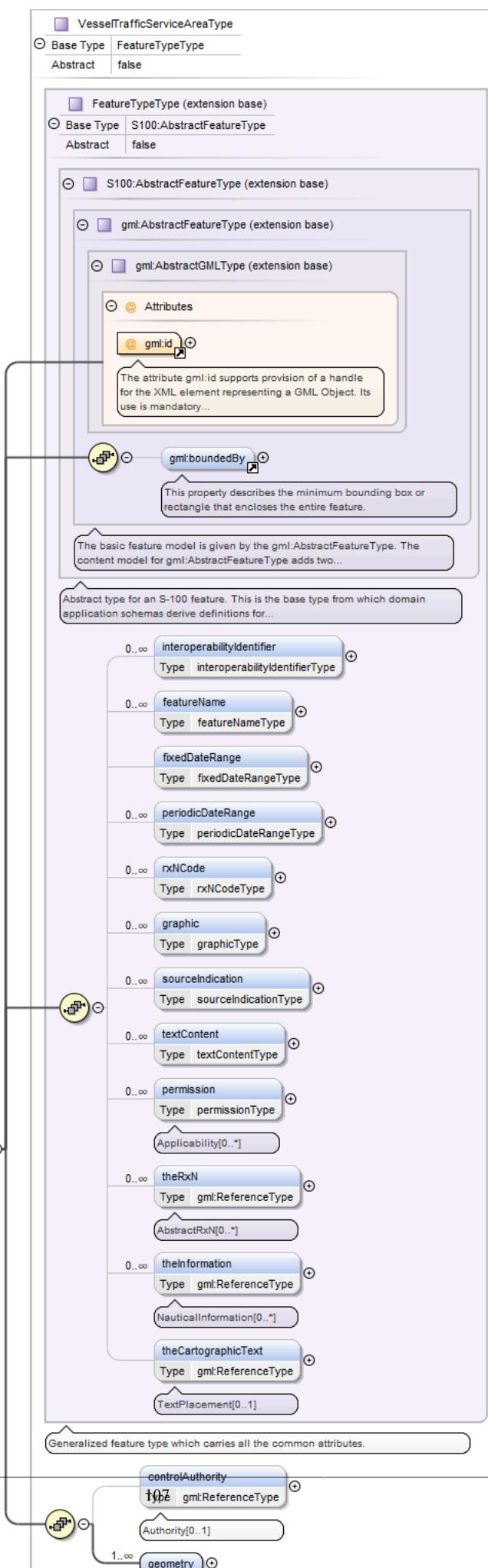


Type	RestrictedAreaType		
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>FeatureTypeType</code></li> <li>• <code>RestrictedAreaType</code></li> </ul>		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	<code>gml:boundedBy{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>categoryOfRestrictedArea*</code> , <code>restriction+</code> , <code>status*</code> , <code>geometry+</code>		
Attributes	<b>QName</b> <code>gml:id</code>	<b>Type</b> ID	<b>Use</b> required
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

## Element **vesselTrafficServiceArea**

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram



Type	VesselTrafficServiceAreaType		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• FeatureTypeType</li> <li>• VesselTrafficServiceAreaType</li> </ul>		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , controlAuthority{0,1} , geometry+		
Attributes	<b>QName</b> <b>gml:id</b>	<b>Type</b>	<b>Use</b>
		ID	required
		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	

## Element DataCoverage

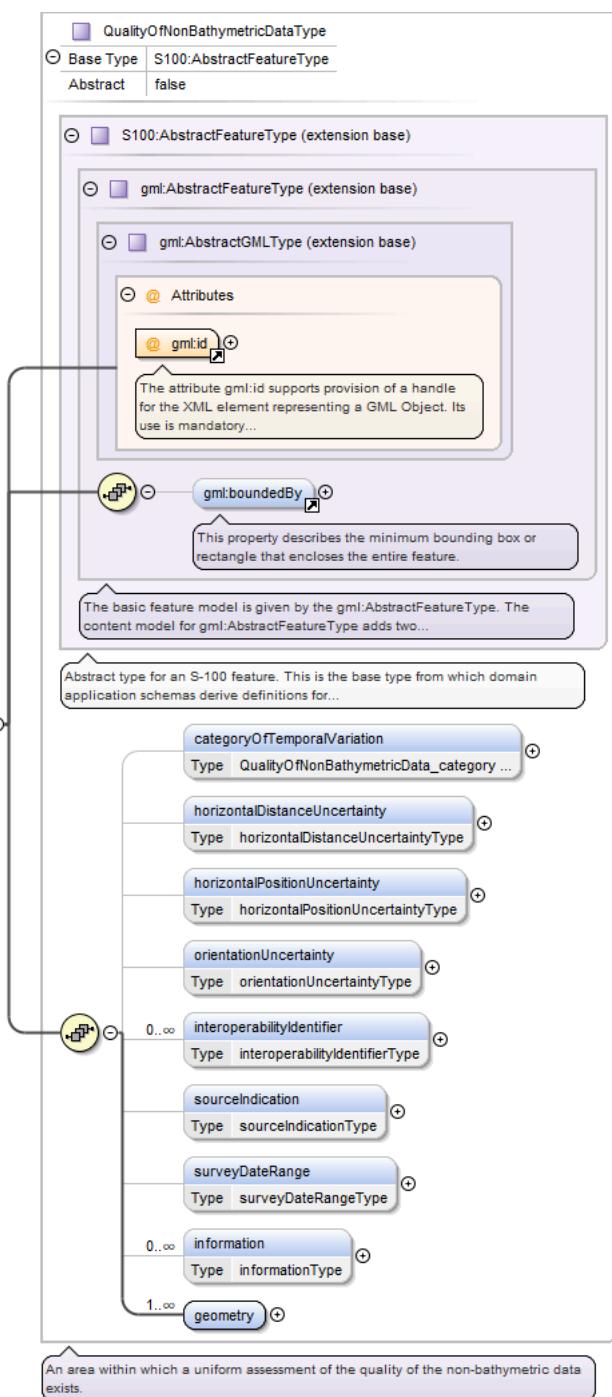
Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram	<pre> classDiagram     DataCoverageType &lt; -- S100:AbstractFeatureType     S100:AbstractFeatureType &lt; -- gml:AbstractFeatureType     gml:AbstractFeatureType &lt; -- gml:AbstractGMLType      DataCoverageType "1..&gt;" -- "0..1" gml:boundedBy : gml:boundedBy   </pre> <p><b>DataCoverageType</b></p> <ul style="list-style-type: none"> <li>Base Type: S100:AbstractFeatureType</li> <li>Abstract: false</li> </ul> <p><b>S100:AbstractFeatureType (extension base)</b></p> <p><b>gml:AbstractFeatureType (extension base)</b></p> <p><b>gml:AbstractGMLType (extension base)</b></p> <p><b>@ Attributes</b></p> <ul style="list-style-type: none"> <li><b>gml:id</b>: The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</li> </ul> <p><b>gml:boundedBy</b>: This property describes the minimum bounding box or rectangle that encloses the entire feature.</p> <p>The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...</p> <p>Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...</p> <p><b>maximumDisplayScale</b>: Type maximumDisplayScaleType</p> <p><b>minimumDisplayScale</b>: Type minimumDisplayScaleType</p> <p><b>optimumDisplayScale</b>: Type optimumDisplayScaleType</p> <p><b>interoperabilityIdentifier</b>: Type interoperabilityIdentifierType</p> <p><b>geometry</b></p> <p>A geographical area that describes the coverage and extent of spatial objects.</p>									
Type	DataCoverageType									
Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType           <ul style="list-style-type: none"> <li>gml:AbstractFeatureType               <ul style="list-style-type: none"> <li>AbstractFeatureType                   <ul style="list-style-type: none"> <li>DataCoverageType</li> </ul> </li> </ul> </li> </ul> </li> </ul>									
Properties	content: complex									
Used by	Element Group MemberObjects									
Model	gml:boundedBy{0,1} , maximumDisplayScale , minimumDisplayScale , optimumDisplayScale{0,1} , interoperabilityIdentifier* , geometry+									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td> </tr> </tbody> </table>	QName	Type	Use	<b>gml:id</b>	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
<b>gml:id</b>	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

## Element QualityOfNonBathymetricData

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram



Type	<code>QualityOfNonBathymetricDataType</code>	
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>QualityOfNonBathymetricDataType</code></li> </ul>	
Properties	content:	complex
Used by	Element Group	MemberObjects
Model	<code>gml:boundedBy{0,1}</code> , <code>categoryOfTemporalVariation{0,1}</code> , <code>horizontalDistanceUncertainty{0,1}</code> , <code>horizontalPositionUncertainty{0,1}</code> , <code>orientationUncertainty{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>sourceIndication{0,1}</code> , <code>surveyDateRange{0,1}</code> , <code>information*</code> , <code>geometry+</code>	

Attributes	QName	Type	Use
	gml:id	ID	required

The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of type ID, so is constrained to be unique in the XML document within which it occurs.

## Element TextPlacement

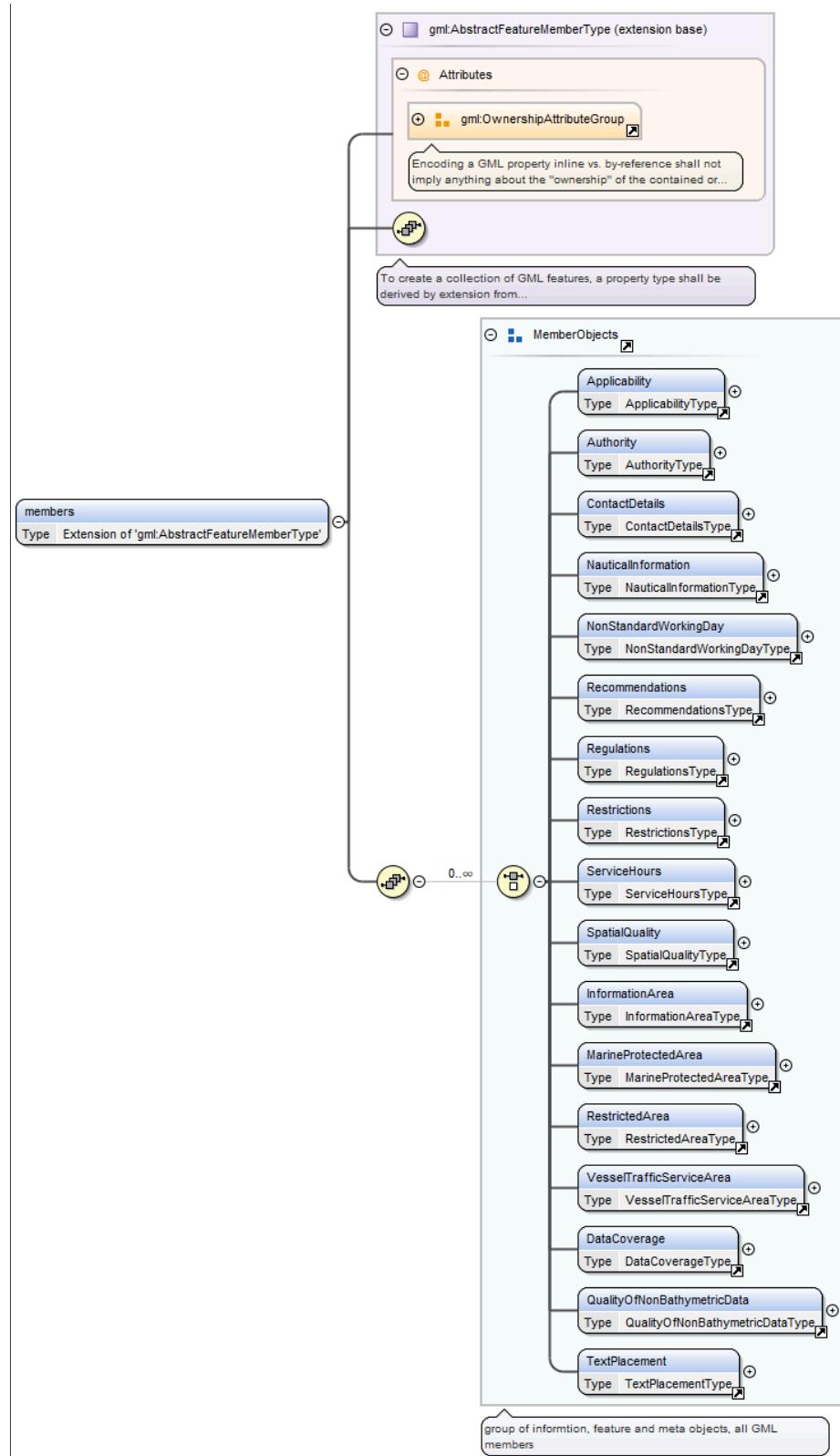
Namespace	http://www.ihc.int/S122/2.0
Diagram	<p>The diagram illustrates the inheritance path of the <b>TextPlacement</b> element. It starts with the <b>TextPlacement</b> class, which is a subtype of <b>TextPlacementType</b>. <b>TextPlacementType</b> is an abstract base type for S-100 features. It has several attributes: <b>gml:id</b> (mandatory), <b>gml:boundedBy</b> (describes the minimum bounding box or rectangle that encloses the entire feature), <b>textOffsetBearing</b>, <b>textOffsetDistance</b>, <b>textRotation</b>, <b>textType</b> (with multiplicity 1..2), <b>scaleMinimum</b>, <b>thePositionProvider</b> (of type <b>gml:ReferenceType</b>), and <b>geometry</b> (with multiplicity 1..oo). The <b>gml:id</b> attribute is highlighted with a yellow box and a callout box explaining its purpose: "The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of type ID, so is constrained to be unique in the XML document within which it occurs." Other attributes like <b>gml:boundedBy</b> also have explanatory callout boxes.</p>
Type	TextPlacementType
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• TextPlacementType</li> </ul>

Properties	content: complex		
Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , textOffsetBearing , textOffsetDistance , textRotation{0,1} , textType{1,2} , scaleMinimum{0,1} , thePositionProvider , geometry+		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
	<b>gml:id</b>	ID	required
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

### Element ThisDatasetType / members

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Diagram



Type	extension of <code>gml:AbstractFeatureMemberType</code>
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractFeatureMemberType</code></li> </ul>
Properties	content: complex
Model	(Applicability   Authority   ContactDetails   NauticalInformation   NonStandardWorkingDay   Recommendations   Regulations   Restrictions   ServiceHours   SpatialQuality   InformationArea   MarineProtectedArea   RestrictedArea   VesselTrafficServiceArea   DataCoverage   QualityOfNonBathymetricData   TextPlacement)

Attributes	QName	Type	Default	Use	
	owns	boolean	false	optional	

## Element Dataset

Namespace	http://www.ihg.int/S122/2.0
Diagram	<pre> classDiagram     class ThisDatasetType {         &lt;&lt;Base Type   S100:DatasetType&gt;&gt;         &lt;&lt;S100:DatasetType (extension base)&gt;&gt;         &lt;&lt;gml:AbstractFeatureType (extension base)&gt;&gt;         &lt;&lt;gml:AbstractGMLType (extension base)&gt;&gt;         &lt;&lt;Attributes&gt;&gt;         &lt;&lt;@ gml:id&gt;&gt;         &lt;&lt;The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...&gt;&gt;         &lt;&lt;gml:boundedBy&gt;&gt;         &lt;&lt;This property describes the minimum bounding box or rectangle that encloses the entire feature.&gt;&gt;         &lt;&lt;DatasetIdentificationInformation&gt;&gt;         &lt;&lt;Dataset identification information&gt;&gt;         &lt;&lt;Geometry&gt;&gt;         &lt;&lt;Point&gt;&gt;         &lt;&lt;MultiPoint&gt;&gt;         &lt;&lt;curves&gt;&gt;         &lt;&lt;Curve&gt;&gt;         &lt;&lt;CompositeCurve&gt;&gt;         &lt;&lt;OrientableCurve&gt;&gt;         &lt;&lt;S-100 orientable curve is the same as GML orientable curve. Added for consistency.&gt;&gt;         &lt;&lt;Group of all S-100 curve types.&gt;&gt;         &lt;&lt;Surface&gt;&gt;         &lt;&lt;Polygon&gt;&gt;         &lt;&lt;S100 version of polygon type&gt;&gt;         &lt;&lt;Allows spatial objects to be located outside feature objects.&gt;&gt;         &lt;&lt;Dataset element for dataset as "GML document"&gt;&gt;         &lt;&lt;members&gt;&gt;         &lt;&lt;Type Extension of 'gml:AbstractFeatureMemberType'&gt;&gt;     } </pre>
Type	ThisDatasetType
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• DatasetType</li> <li>• ThisDatasetType</li> </ul>
Properties	content: complex
Model	gml:boundedBy{0,1} , DatasetIdentificationInformation , (Point   MultiPoint   Curve   CompositeCurve   OrientableCurve   Surface   Polygon) , members

Attributes	QName	Type	Use
	gml:id	ID	required
			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

## Simple Type(s)

### Simple Type codelistTypeType

Namespace	http://www.ihodata.org/S122/2.0											
Annotations	An S-100 codelist.											
Diagram	<p>An S-100 codelist.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>											
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>openEnumeration</td> <td>Open enumeration</td> </tr> <tr> <td>enumeration</td> <td>openDictionary</td> <td>Open dictionary</td> </tr> <tr> <td>enumeration</td> <td>closedDictionary</td> <td>Closed Dictionary</td> </tr> </table>			enumeration	openEnumeration	Open enumeration	enumeration	openDictionary	Open dictionary	enumeration	closedDictionary	Closed Dictionary
enumeration	openEnumeration	Open enumeration										
enumeration	openDictionary	Open dictionary										
enumeration	closedDictionary	Closed Dictionary										
Used by	Attributes	actionOrActivityType/@codelistType, categoryOfMarineProtectedAreaType/@codelistType, category-OfRxNType/@codelistType, categoryOfVesselType/@codelistType										

### Simple Type extraLabelType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an alphanumeric character and not ending in whitespace. Introduced for the new S-100 5.0 GML encoding.		
Diagram	<p>Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	pattern ([a-zA-Z0-9]   [a-zA-Z0-9].*)*		

### Simple Type extraValueType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Value type for the extra values in open enumeration codelists. Currently just an alphanumeric string, but should perhaps conform to S-100 3-6.7.		
Diagram	<p>Value type for the extra values in open enumeration codelists. Currently just an alphanumeric string, but should...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	pattern [a-zA-Z0-9]+([a-zA-Z0-9]*)*		
Used by	Attributes	actionOrActivityType/@otherValue, categoryOfMarineProtectedAreaType/@otherValue, category-OfRxNType/@otherValue, categoryOfVesselType/@otherValue	

### Simple Type administrativeDivisionType

Namespace	http://www.ihodata.org/S122/2.0		
-----------	---------------------------------	--	--

Annotations	A generic term for an administrative region within a country at a level below that of the sovereign state.
Diagram	 <pre> classDiagram     class administrativeDivisionType {         xs:string     }     administrativeDivisionType "1" -- "1" xs:string   </pre> <p>A generic term for an administrative region within a country at a level below that of the sovereign state.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element contactAddressType/administrativeDivision

#### **Simple Type applicationProfileType**

Namespace	http://www.ihc.int/S122/2.0
Annotations	Name of an application profile that can be used with the online resource.
Diagram	<pre> graph LR     AP(applicationProfileType) --- xs(xs:string)     </pre> <p>The diagram shows a UML class named "applicationProfileType" connected by an association line to another class named "xs:string". Both classes are represented by rounded rectangles with a purple-to-white gradient fill and a thin black border. The association line is a simple black line with open circles at both ends, indicating a directed relationship from applicationProfileType to xs:string.</p>
Type	xs:string
Used by	Element onlineResourceType/applicationProfile

### Simple Type callNameType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The designated call name of a station; for example, radio station, radar station, pilot.
Diagram	<pre> classDiagram     callNameType "1" -- "0..1" xs:string     </pre> <p>The diagram shows a UML class named 'callNameType' connected by a line with a hollow circle at its end to another element. This second element is a rounded rectangle containing the text 'xs:string'. Below the diagram, two callout boxes provide descriptions: one for 'callNameType' and one for 'xs:string'.</p>
Type	xs:string
Used by	Element ContactDetailsType/callName

### **Simple Type callSignType**

Namespace	http://www.ihc.int/S122/2.0
Annotations	The designated call-sign of a station (radio station, radar station, pilot, ...).
Diagram	<pre> classDiagram     class callSignType     class xsString      callSignType "1" -- "0..1" xsString   </pre> <p>The diagram shows a UML class named 'callSignType' connected by a line with a hollow circle at the end to another line representing the type 'xs:string'. The multiplicity '1' is placed near 'callSignType' and '0..1' is placed near 'xs:string'.</p>
	<p>The designated call-sign of a station (radio station, radar station, pilot, ...).</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element ContactDetailsType/callSign

### Simple Type cardinalDirectionLabel

Namespace	http://www.ihc.int/S122/2.0												
Annotations	Principal and intermediate compass points.												
Diagram	<pre> classDiagram     class cardinalDirectionLabel     class xs{string}     cardinalDirectionLabel &lt; -- xs{string}     </pre> <p>Principal and intermediate compass points.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>												
Type	restriction of xs:string												
Facets	<table> <tr> <td>enumeration</td> <td>North</td> <td>1: 348.75-011.25 degrees (true north).</td> </tr> <tr> <td>enumeration</td> <td>North Northeast</td> <td>2: 011.25 - 033.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>Northeast</td> <td>3: 033.75 - 056.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>East Northeast</td> <td>4: 056.25-078.75 degrees.</td> </tr> </table>	enumeration	North	1: 348.75-011.25 degrees (true north).	enumeration	North Northeast	2: 011.25 - 033.75 degrees.	enumeration	Northeast	3: 033.75 - 056.25 degrees.	enumeration	East Northeast	4: 056.25-078.75 degrees.
enumeration	North	1: 348.75-011.25 degrees (true north).											
enumeration	North Northeast	2: 011.25 - 033.75 degrees.											
enumeration	Northeast	3: 033.75 - 056.25 degrees.											
enumeration	East Northeast	4: 056.25-078.75 degrees.											

	enumeration	East	5: 078.75-101.25 degrees.
	enumeration	East Southeast	6: 101.25-123.75 degrees.
	enumeration	Southeast	7: 123.75-146.25 degrees.
	enumeration	South Southeast	8: 146.25-168.75 degrees.
	enumeration	South	9: 168.75-191.25 degrees.
	enumeration	South Southwest	10: 191.25-213.75 degrees.
	enumeration	Southwest	11: 213.75-236.25 degrees.
	enumeration	West Southwest	12: 236.25-258.75 degrees.
	enumeration	West	13: 258.75-281.25 degrees.
	enumeration	West Northwest	14: 281.25-303.75 degrees.
	enumeration	Northwest	15: 303.75 - 326.25 degrees.
	enumeration	North Northwest	16: 326.25 - 348.75 degrees.
Used by	Complex Type	cardinalDirectionType	

### Simple Type cardinalDirectionCode

Namespace	http://www.ihc.int/S122/2.0																																																		
Annotations	Principal and intermediate compass points.																																																		
Diagram	<p>Principal and intermediate compass points.</p>																																																		
Type	restriction of xs:integer																																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>348.75-011.25 degrees (true north).</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>011.25 - 033.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>033.75 - 056.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>056.25-078.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>078.75-101.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>101.25-123.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>123.75-146.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>146.25-168.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>168.75-191.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>191.25-213.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>213.75-236.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>236.25-258.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>258.75-281.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>281.25-303.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>15</td> <td>303.75 - 326.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>16</td> <td>326.25 - 348.75 degrees.</td> </tr> </table>			enumeration	1	348.75-011.25 degrees (true north).	enumeration	2	011.25 - 033.75 degrees.	enumeration	3	033.75 - 056.25 degrees.	enumeration	4	056.25-078.75 degrees.	enumeration	5	078.75-101.25 degrees.	enumeration	6	101.25-123.75 degrees.	enumeration	7	123.75-146.25 degrees.	enumeration	8	146.25-168.75 degrees.	enumeration	9	168.75-191.25 degrees.	enumeration	10	191.25-213.75 degrees.	enumeration	11	213.75-236.25 degrees.	enumeration	12	236.25-258.75 degrees.	enumeration	13	258.75-281.25 degrees.	enumeration	14	281.25-303.75 degrees.	enumeration	15	303.75 - 326.25 degrees.	enumeration	16	326.25 - 348.75 degrees.
enumeration	1	348.75-011.25 degrees (true north).																																																	
enumeration	2	011.25 - 033.75 degrees.																																																	
enumeration	3	033.75 - 056.25 degrees.																																																	
enumeration	4	056.25-078.75 degrees.																																																	
enumeration	5	078.75-101.25 degrees.																																																	
enumeration	6	101.25-123.75 degrees.																																																	
enumeration	7	123.75-146.25 degrees.																																																	
enumeration	8	146.25-168.75 degrees.																																																	
enumeration	9	168.75-191.25 degrees.																																																	
enumeration	10	191.25-213.75 degrees.																																																	
enumeration	11	213.75-236.25 degrees.																																																	
enumeration	12	236.25-258.75 degrees.																																																	
enumeration	13	258.75-281.25 degrees.																																																	
enumeration	14	281.25-303.75 degrees.																																																	
enumeration	15	303.75 - 326.25 degrees.																																																	
enumeration	16	326.25 - 348.75 degrees.																																																	
Used by	Attribute cardinalDirectionType/@code																																																		

### Simple Type bearingInformation\_cardinalDirectionLabel

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Restricted values of bearingInformation/cardinalDirection								
Diagram	<p>Restricted values of bearingInformation/cardinalDirection</p>								
Type	restriction of xs:string								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>North</td> <td></td> </tr> <tr> <td>enumeration</td> <td>North Northeast</td> <td></td> </tr> </table>			enumeration	North		enumeration	North Northeast	
enumeration	North								
enumeration	North Northeast								

	enumeration	Northeast
	enumeration	East Northeast
	enumeration	East
	enumeration	East Southeast
	enumeration	Southeast
	enumeration	South Southeast
	enumeration	South
	enumeration	South Southwest
	enumeration	Southwest
	enumeration	West Southwest
	enumeration	West
	enumeration	West Northwest
	enumeration	Northwest
	enumeration	North Northwest
Used by	Complex Type	bearingInformation_cardinalDirectionType

### Simple Type bearingInformation\_cardinalDirectionCode

Namespace	http://www.ihoint/S122/2.0																																																	
Annotations	Restricted values of bearingInformation/cardinalDirection																																																	
Diagram	<p>The diagram shows a UML class named 'bearingInformation_cardinalDirectionCode' with a hollow diamond symbol indicating it is derived from another class. A line connects this diamond to a second hollow diamond labeled 'xs:integer'. A callout box points to the first diamond with the text 'Restricted values of bearingInformation/cardinalDirection'. Another callout box points to the second diamond with the text 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>																																																	
Type	restriction of xs:integer																																																	
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>348.75–011.25 degrees (true north).</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>011.25 – 033.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>033.75 – 056.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>056.25–078.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>078.75–101.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>101.25–123.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>123.75–146.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>146.25–168.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>168.75–191.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>191.25–213.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>213.75–236.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>236.25–258.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>258.75–281.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>281.25–303.75 degrees.</td> </tr> <tr> <td>enumeration</td> <td>15</td> <td>303.75 – 326.25 degrees.</td> </tr> <tr> <td>enumeration</td> <td>16</td> <td>326.25 – 348.75 degrees.</td> </tr> </table>		enumeration	1	348.75–011.25 degrees (true north).	enumeration	2	011.25 – 033.75 degrees.	enumeration	3	033.75 – 056.25 degrees.	enumeration	4	056.25–078.75 degrees.	enumeration	5	078.75–101.25 degrees.	enumeration	6	101.25–123.75 degrees.	enumeration	7	123.75–146.25 degrees.	enumeration	8	146.25–168.75 degrees.	enumeration	9	168.75–191.25 degrees.	enumeration	10	191.25–213.75 degrees.	enumeration	11	213.75–236.25 degrees.	enumeration	12	236.25–258.75 degrees.	enumeration	13	258.75–281.25 degrees.	enumeration	14	281.25–303.75 degrees.	enumeration	15	303.75 – 326.25 degrees.	enumeration	16	326.25 – 348.75 degrees.
enumeration	1	348.75–011.25 degrees (true north).																																																
enumeration	2	011.25 – 033.75 degrees.																																																
enumeration	3	033.75 – 056.25 degrees.																																																
enumeration	4	056.25–078.75 degrees.																																																
enumeration	5	078.75–101.25 degrees.																																																
enumeration	6	101.25–123.75 degrees.																																																
enumeration	7	123.75–146.25 degrees.																																																
enumeration	8	146.25–168.75 degrees.																																																
enumeration	9	168.75–191.25 degrees.																																																
enumeration	10	191.25–213.75 degrees.																																																
enumeration	11	213.75–236.25 degrees.																																																
enumeration	12	236.25–258.75 degrees.																																																
enumeration	13	258.75–281.25 degrees.																																																
enumeration	14	281.25–303.75 degrees.																																																
enumeration	15	303.75 – 326.25 degrees.																																																
enumeration	16	326.25 – 348.75 degrees.																																																
Used by	Attribute bearingInformation_cardinalDirectionType/@code																																																	

### Simple Type categoryOfAuthorityLabel

Namespace	http://www.ihoint/S122/2.0	
Annotations	The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.	
Diagram	<p>The diagram shows a UML class named 'categoryOfAuthorityLabel' with a hollow diamond symbol indicating it is derived from another class. A line connects this diamond to a second hollow diamond labeled 'xs:string'. A callout box points to the first diamond with the text 'The type of person, government agency or organisation granted powers of managing or controlling access to and/or...'. Another callout box points to the second diamond with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	

Type	restriction of xs:string		
Facets	enumeration	Border Control	2: The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	Police	3: The department of government, or civil force, charged with maintaining public order.
	enumeration	Port	4: Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	Immigration	5: The authority controlling people entering a country.
	enumeration	Health	6: The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	Coast Guard	7: Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	Agricultural	8: The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	Military	9: A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	Private Company	10: A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	Maritime Police	11: A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	Environmental	12: An authority with responsibility for the protection of the environment.
	enumeration	Fishery	13: An authority with responsibility for the control of fisheries.
	enumeration	Finance	14: An authority with responsibility for the control and movement of money.
	enumeration	Maritime	15: A national or regional authority charged with administration of maritime affairs.
	enumeration	Customs	16: The agency or establishment for collecting duties, tolls.
Used by	Complex Type	categoryOfAuthorityType	

### Simple Type categoryOfAuthorityCode

Namespace	http://www.ihc.int/S122/2.0											
Annotations	The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.											
Diagram	<p>The diagram shows a UML class named "categoryOfAuthorityCode" with a hollow diamond symbol indicating it is a restriction. It is connected to another class, "xs:integer", by a line with a hollow circle symbol, representing a generalization relationship. Below the classes, two callouts provide additional information: one for "categoryOfAuthorityCode" stating "The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.", and another for "xs:integer" stating "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>											
Type	restriction of xs:integer											
Facets	<table border="1"> <tr> <td>enumeration</td> <td>2</td> <td>The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The department of government, or civil force, charged with maintaining public order.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.</td> </tr> </table>			enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.	enumeration	3	The department of government, or civil force, charged with maintaining public order.	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.										
enumeration	3	The department of government, or civil force, charged with maintaining public order.										
enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.										

enumeration	5	The authority controlling people entering a country.
enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
enumeration	12	An authority with responsibility for the protection of the environment.
enumeration	13	An authority with responsibility for the control of fisheries.
enumeration	14	An authority with responsibility for the control and movement of money.
enumeration	15	A national or regional authority charged with administration of maritime affairs.
enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Attribute	categoryOfAuthorityType/@code

### Simple Type AbstractRxN\_categoryOfAuthorityLabel

Namespace	http://www.oho.int/S122/2.0																															
Annotations	Custom enum: AbstractRxN/categoryOfAuthority																															
Diagram	<pre> classDiagram     class AbstractRxN_categoryOfAuthorityLabel {         &lt;&lt;Custom enum: AbstractRxN/categoryOfAuthority&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     AbstractRxN_categoryOfAuthorityLabel "1" -- "0..1" xsString   </pre>																															
Type	restriction of xs:string																															
Facets	<table border="1"> <tr><td>enumeration</td><td>Border Control</td></tr> <tr><td>enumeration</td><td>Police</td></tr> <tr><td>enumeration</td><td>Port</td></tr> <tr><td>enumeration</td><td>Immigration</td></tr> <tr><td>enumeration</td><td>Health</td></tr> <tr><td>enumeration</td><td>Coast Guard</td></tr> <tr><td>enumeration</td><td>Agricultural</td></tr> <tr><td>enumeration</td><td>Military</td></tr> <tr><td>enumeration</td><td>Private Company</td></tr> <tr><td>enumeration</td><td>Maritime Police</td></tr> <tr><td>enumeration</td><td>Environmental</td></tr> <tr><td>enumeration</td><td>Fishery</td></tr> <tr><td>enumeration</td><td>Finance</td></tr> <tr><td>enumeration</td><td>Maritime</td></tr> <tr><td>enumeration</td><td>Customs</td></tr> </table>		enumeration	Border Control	enumeration	Police	enumeration	Port	enumeration	Immigration	enumeration	Health	enumeration	Coast Guard	enumeration	Agricultural	enumeration	Military	enumeration	Private Company	enumeration	Maritime Police	enumeration	Environmental	enumeration	Fishery	enumeration	Finance	enumeration	Maritime	enumeration	Customs
enumeration	Border Control																															
enumeration	Police																															
enumeration	Port																															
enumeration	Immigration																															
enumeration	Health																															
enumeration	Coast Guard																															
enumeration	Agricultural																															
enumeration	Military																															
enumeration	Private Company																															
enumeration	Maritime Police																															
enumeration	Environmental																															
enumeration	Fishery																															
enumeration	Finance																															
enumeration	Maritime																															
enumeration	Customs																															
Used by	Complex Type	AbstractRxN_categoryOfAuthorityType																														

## Simple Type AbstractRxN\_categoryOfAuthorityCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: AbstractRxN/categoryOfAuthority		
Diagram	<p>The diagram shows a UML class named "AbstractRxN_categoryOfAuthorityCode" with a solid line connecting it to the built-in type "xs:integer". A callout box for "Custom enum: AbstractRxN/categoryOfAuthority" points to the class itself. Another callout box for "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..." points to the connection to "xs:integer".</p>		
Type	restriction of xs:integer		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	12	An authority with responsibility for the protection of the environment.
	enumeration	13	An authority with responsibility for the control of fisheries.
	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Attribute	AbstractRxN_categoryOfAuthorityType/@code	

## Simple Type Authority\_categoryOfAuthorityLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: Authority/categoryOfAuthority	
Diagram	<p>The diagram shows a UML class named "Authority_categoryOfAuthorityLabel" with a solid line connecting it to the built-in type "xs:string". A callout box for "Custom enum: Authority/categoryOfAuthority" points to the class itself. Another callout box for "Built-in primitive type. The string datatype represents character strings in XML." points to the connection to "xs:string".</p>	
Type	restriction of xs:string	
Facets	enumeration	Border Control

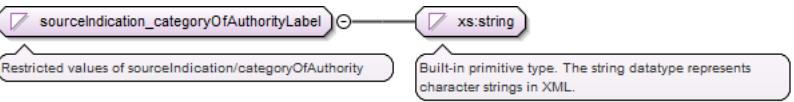
	enumeration	Police
	enumeration	Port
	enumeration	Immigration
	enumeration	Health
	enumeration	Coast Guard
	enumeration	Agricultural
	enumeration	Military
	enumeration	Private Company
	enumeration	Maritime Police
	enumeration	Environmental
	enumeration	Fishery
	enumeration	Finance
	enumeration	Maritime
	enumeration	Customs
Used by	Complex Type	Authority_categoryOfAuthorityType

### Simple Type Authority\_categoryOfAuthorityCode

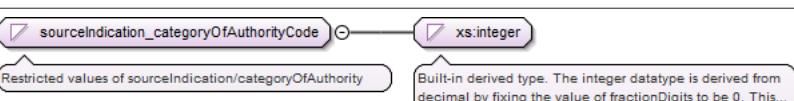
Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: Authority/categoryOfAuthority		
Diagram	<p>The diagram shows a UML class named 'Authority_categoryOfAuthorityCode' with a multiplicity of 0..1. It has a directed association to another class named 'xs:integer' with a multiplicity of 0..1. A callout box indicates that 'Authority_categoryOfAuthorityCode' is a 'Custom enum' and 'xs:integer' is a 'Built-in derived type'. A note below states: 'The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	12	An authority with responsibility for the protection of the environment.
	enumeration	13	An authority with responsibility for the control of fisheries.

	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Attribute	Authority_categoryOfAuthorityType/@code	

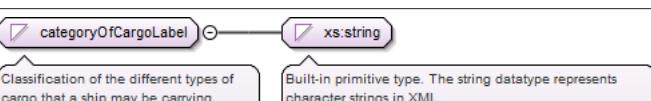
### Simple Type sourceIndication\_categoryOfAuthorityLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of sourceIndication/categoryOfAuthority		
Diagram			
Type	xs:string		
Used by	Complex Type	sourceIndication_categoryOfAuthorityType	

### Simple Type sourceIndication\_categoryOfAuthorityCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of sourceIndication/categoryOfAuthority		
Diagram			
Type	xs:integer		
Used by	Attribute	sourceIndication_categoryOfAuthorityType/@code	

### Simple Type categoryOfCargoLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of the different types of cargo that a ship may be carrying.		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Bulk	1: Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.
	enumeration	Container	2: One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.
	enumeration	General	3: Break bulk cargo normally loaded by crane.
	enumeration	Liquid	4: Any cargo loaded by pipeline.
	enumeration	Passenger	5: A fee paying traveller.
	enumeration	Livestock	6: Live animals carried in bulk.
	enumeration	Dangerous or Hazardous	7: Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.
	enumeration	Heavy Lift	8: Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.
	enumeration	Dry Bulk Cargo	10: Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.

	enumeration	Liquid Bulk Cargo	11: Liquids or gases that are transported in bulk and carried unpackaged.
	enumeration	Reefer Container Cargo	12: Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.
	enumeration	Ro-Ro Cargo	13: Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.
	enumeration	Project Cargo	14: Project cargo is a term used to broadly describe the national or international transportation of large, heavy, high value, or critical (to the project they are intended for) pieces of equipment. Also commonly referred to as heavy lift, this includes shipments made of various components which need disassembly for shipment and reassembly after delivery.
	enumeration	Break Bulk Cargo	15: Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.
Used by	Complex Type	categoryOfCargoType	

### Simple Type categoryOfCargoCode

Namespace	http://www.ihc.int/S122/2.0																																									
Annotations	Classification of the different types of cargo that a ship may be carrying.																																									
Diagram	<p>categoryOfCargoCode → xs:integer</p> <p>Classification of the different types of cargo that a ship may be carrying.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>																																									
Type	restriction of xs:integer																																									
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Break bulk cargo normally loaded by crane.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Any cargo loaded by pipeline.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A fee paying traveller.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Live animals carried in bulk.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>Liquids or gases that are transported in bulk and carried unpackaged.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>Project cargo is a term used to broadly describe the national or international transportation</td> </tr> </table>			enumeration	1	Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.	enumeration	2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.	enumeration	3	Break bulk cargo normally loaded by crane.	enumeration	4	Any cargo loaded by pipeline.	enumeration	5	A fee paying traveller.	enumeration	6	Live animals carried in bulk.	enumeration	7	Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.	enumeration	8	Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.	enumeration	10	Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.	enumeration	11	Liquids or gases that are transported in bulk and carried unpackaged.	enumeration	12	Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.	enumeration	13	Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.	enumeration	14	Project cargo is a term used to broadly describe the national or international transportation
enumeration	1	Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.																																								
enumeration	2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.																																								
enumeration	3	Break bulk cargo normally loaded by crane.																																								
enumeration	4	Any cargo loaded by pipeline.																																								
enumeration	5	A fee paying traveller.																																								
enumeration	6	Live animals carried in bulk.																																								
enumeration	7	Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.																																								
enumeration	8	Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.																																								
enumeration	10	Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.																																								
enumeration	11	Liquids or gases that are transported in bulk and carried unpackaged.																																								
enumeration	12	Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.																																								
enumeration	13	Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.																																								
enumeration	14	Project cargo is a term used to broadly describe the national or international transportation																																								

		of large, heavy, high value, or critical (to the project they are intended for) pieces of equipment. Also commonly referred to as heavy lift, this includes shipments made of various components which need disassembly for shipment and reassembly after delivery.
	enumeration 15	Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.
Used by	Attribute categoryOfCargoType/@code	

### Simple Type Applicability\_categoryOfCargoLabel

Namespace	http://www.oho.int/S122/2.0	
Annotations	Custom enum: Applicability/categoryOfCargo	
Diagram	<pre> classDiagram     class Applicability_categoryOfCargoLabel {         &lt;&lt;Custom enum: Applicability/categoryOfCargo&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     Applicability_categoryOfCargoLabel "1" -- "0..1" xsString   </pre>	
Type	restriction of xs:string	
Facets	enumeration Bulk	
	enumeration Container	
	enumeration General	
	enumeration Liquid	
	enumeration Passenger	
	enumeration Livestock	
	enumeration Dangerous or Hazardous	
	enumeration Heavy Lift	
	enumeration Dry Bulk Cargo	
	enumeration Liquid Bulk Cargo	
	enumeration Reefer Container Cargo	
	enumeration Ro-Ro Cargo	
	enumeration Project Cargo	
	enumeration Break Bulk Cargo	
Used by	Complex Type	Applicability_categoryOfCargoType

### Simple Type Applicability\_categoryOfCargoCode

Namespace	http://www.oho.int/S122/2.0	
Annotations	Custom enum: Applicability/categoryOfCargo	
Diagram	<pre> classDiagram     class Applicability_categoryOfCargoCode {         &lt;&lt;Custom enum: Applicability/categoryOfCargo&gt;&gt;     }     class xsInteger {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     Applicability_categoryOfCargoCode "1" -- "0..1" xsInteger   </pre>	
Type	restriction of xs:integer	
Facets	enumeration 1	Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.
	enumeration 2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.
	enumeration 3	Break bulk cargo normally loaded by crane.
	enumeration 4	Any cargo loaded by pipeline.
	enumeration 5	A fee paying traveller.
	enumeration 6	Live animals carried in bulk.
	enumeration 7	Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.

	enumeration	8	Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.
	enumeration	10	Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.
	enumeration	11	Liquids or gases that are transported in bulk and carried unpackaged.
	enumeration	12	Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.
	enumeration	13	Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.
	enumeration	14	Project cargo is a term used to broadly describe the national or international transportation of large, heavy, high value, or critical (to the project they are intended for) pieces of equipment. Also commonly referred to as heavy lift, this includes shipments made of various components which need disassembly for shipment and reassembly after delivery.
	enumeration	15	Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.
Used by	Attribute	Applicability_categoryOfCargoType/@code	

### Simple Type categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S122/2.0		
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.		
Diagram	<p>The diagram shows a UML class named 'categoryOfCommunicationPreferenceLabel' with a multiplicity of 0..1. It has a directed association to another class named 'xs:string' with a multiplicity of 0..1. A callout box under 'categoryOfCommunicationPreferenceLabel' states: 'Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.' A callout box under 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	Preferred Calling	1: The first choice channel or frequency to be used when calling a radio station.
	enumeration	Alternate Calling	2: A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	Preferred Working	3: The first choice channel or frequency to be used when working with a radio station.
	enumeration	Alternate Working	4: A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Complex Type	categoryOfCommunicationPreferenceType	

### Simple Type categoryOfCommunicationPreferenceCode

Namespace	http://www.oho.int/S122/2.0		
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.		
Diagram	<p>The diagram shows a UML class named 'categoryOfCommunicationPreferenceCode' with a multiplicity of 0..1. It has a directed association to another class named 'xs.integer' with a multiplicity of 0..1. A callout box under 'categoryOfCommunicationPreferenceCode' states: 'Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.' A callout box under 'xs.integer' states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'</p>		

Type	restriction of xs:integer		
Facets	enumeration	1	The first choice channel or frequency to be used when calling a radio station.
	enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3	The first choice channel or frequency to be used when working with a radio station.
	enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Attribute	categoryOfCommunicationPreferenceType/@code	

### Simple Type ContactDetails\_categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S122/2.0														
Annotations	Custom enum: ContactDetails/categoryOfCommunicationPreference														
Diagram	<p>Custom enum: ContactDetails/categoryOfCommunicationPreference</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>														
Type	restriction of xs:string														
Facets	<table> <tr> <td>enumeration</td> <td>Preferred Calling</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Alternate Calling</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Preferred Working</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Alternate Working</td> <td></td> </tr> </table>			enumeration	Preferred Calling		enumeration	Alternate Calling		enumeration	Preferred Working		enumeration	Alternate Working	
enumeration	Preferred Calling														
enumeration	Alternate Calling														
enumeration	Preferred Working														
enumeration	Alternate Working														
Used by	Complex Type	ContactDetails_categoryOfCommunicationPreferenceType													

### Simple Type ContactDetails\_categoryOfCommunicationPreferenceCode

Namespace	http://www.oho.int/S122/2.0														
Annotations	Custom enum: ContactDetails/categoryOfCommunicationPreference														
Diagram	<p>Custom enum: ContactDetails/categoryOfCommunicationPreference</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>														
Type	restriction of xs:integer														
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The first choice channel or frequency to be used when calling a radio station.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The first choice channel or frequency to be used when working with a radio station.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.</td> </tr> </table>			enumeration	1	The first choice channel or frequency to be used when calling a radio station.	enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.	enumeration	3	The first choice channel or frequency to be used when working with a radio station.	enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
enumeration	1	The first choice channel or frequency to be used when calling a radio station.													
enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.													
enumeration	3	The first choice channel or frequency to be used when working with a radio station.													
enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.													
Used by	Attribute	ContactDetails_categoryOfCommunicationPreferenceType/@code													

### Simple Type telecommunications\_categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S122/2.0		
Annotations	Restricted values of telecommunications/categoryOfCommunicationPreference		
Diagram	<p>Restricted values of telecommunications/categoryOfCommunicationPreference</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		

Type	restriction of xs:string	
Facets	enumeration	Preferred Calling
	enumeration	Alternate Calling
	enumeration	Preferred Working
	enumeration	Alternate Working
Used by	Complex Type	telecommunications_categoryOfCommunicationPreferenceType

### Simple Type telecommunications\_categoryOfCommunicationPreferenceCode

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Restricted values of telecommunications/categoryOfCommunicationPreference	
Diagram	<p>The diagram shows a UML class named 'telecommunications_categoryOfCommunicationPreferenceCode' with a multiplicity of 0..1. It has a directed association labeled 'xs:integer' with another unnamed class. A callout box for 'telecommunications_categoryOfCommunicationPreferenceCode' states 'Restricted values of telecommunications/categoryOfCommunicationPreference'. A callout box for 'xs:integer' states 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>	
Type	restriction of xs:integer	
Facets	enumeration	1 The first choice channel or frequency to be used when calling a radio station.
	enumeration	2 A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3 The first choice channel or frequency to be used when working with a radio station.
	enumeration	4 A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Attribute	telecommunications_categoryOfCommunicationPreferenceType/@code

### Simple Type categoryOfDangerousOrHazardousCargoLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).	
Diagram	<p>The diagram shows a UML class named 'categoryOfDangerousOrHazardousCargoLabel' with a multiplicity of 0..1. It has a directed association labeled 'xs:string' with another unnamed class. A callout box for 'categoryOfDangerousOrHazardousCargoLabel' states 'Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG...'. A callout box for 'xs:string' states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	enumeration	IMDG Code Class 1 Div. 1.1 1: Explosives, Division 1: Substances and articles which have a mass explosion hazard.
	enumeration	IMDG Code Class 1 Div. 1.2 2: Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
	enumeration	IMDG Code Class 1 Div. 1.3 3: Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
	enumeration	IMDG Code Class 1 Div. 1.4 4: Explosives, Division 4: Substances and articles which present no significant hazard.
	enumeration	IMDG Code Class 1 Div. 1.5 5: Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.
	enumeration	IMDG Code Class 1 Div. 1.6 6: Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
	enumeration	IMDG Code Class 2 Div. 2.1 7: Gases, flammable gases.
	enumeration	IMDG Code Class 2 Div. 2.2 8: Gases, non-flammable, non-toxic gases.

	enumeration	IMDG Code Class 2 Div. 2.3	9: Gases, toxic gases.
	enumeration	IMDG Code Class 3	10: Flammable liquids.
	enumeration	IMDG Code Class 4 Div. 4.1	11: Flammable solids, self-reactive substances and desensitized explosives.
	enumeration	IMDG Code Class 4 Div. 4.2	12: Substances liable to spontaneous combustion.
	enumeration	IMDG Code Class 4 Div. 4.3	13: Substances which, in contact with water, emit flammable gases.
	enumeration	IMDG Code Class 5 Div. 5.1	14: Oxidizing substances.
	enumeration	IMDG Code Class 5 Div. 5.2	15: Organic peroxides.
	enumeration	IMDG Code Class 6 Div. 6.1	16: Toxic substances.
	enumeration	IMDG Code Class 6 Div. 6.2	17: Infectious substances.
	enumeration	IMDG Code Class 7	18: Radioactive material.
	enumeration	IMDG Code Class 8	19: Corrosive substances.
	enumeration	IMDG Code Class 9	20: Miscellaneous dangerous substances and articles.
	enumeration	Harmful Substances in Packaged Form	21: Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Complex Type	categoryOfDangerousOrHazardousCargoType	

### Simple Type categoryOfDangerousOrHazardousCargoCode

Namespace	http://www.oho.int/S122/2.0																																			
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).																																			
Diagram	<p>The diagram shows a UML class named "categoryOfDangerousOrHazardousCargoCode" with a hollow diamond symbol indicating it is derived from another class. A solid diamond symbol is placed next to it, representing the derived type. An arrow points from the class name to a box containing the text: "Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG...)".</p> <p>Another box contains the text: "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>																																			
Type	restriction of xs:integer																																			
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Explosives, Division 1: Substances and articles which have a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Explosives, Division 4: Substances and articles which present no significant hazard.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Gases, flammable gases.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Gases, non-flammable, non-toxic gases.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>Gases, toxic gases.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Flammable liquids.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>Flammable solids, self-reactive substances and desensitized explosives.</td> </tr> </table>			enumeration	1	Explosives, Division 1: Substances and articles which have a mass explosion hazard.	enumeration	2	Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.	enumeration	3	Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.	enumeration	4	Explosives, Division 4: Substances and articles which present no significant hazard.	enumeration	5	Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.	enumeration	6	Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.	enumeration	7	Gases, flammable gases.	enumeration	8	Gases, non-flammable, non-toxic gases.	enumeration	9	Gases, toxic gases.	enumeration	10	Flammable liquids.	enumeration	11	Flammable solids, self-reactive substances and desensitized explosives.
enumeration	1	Explosives, Division 1: Substances and articles which have a mass explosion hazard.																																		
enumeration	2	Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.																																		
enumeration	3	Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.																																		
enumeration	4	Explosives, Division 4: Substances and articles which present no significant hazard.																																		
enumeration	5	Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.																																		
enumeration	6	Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.																																		
enumeration	7	Gases, flammable gases.																																		
enumeration	8	Gases, non-flammable, non-toxic gases.																																		
enumeration	9	Gases, toxic gases.																																		
enumeration	10	Flammable liquids.																																		
enumeration	11	Flammable solids, self-reactive substances and desensitized explosives.																																		

	enumeration	12	Substances liable to spontaneous combustion.
	enumeration	13	Substances which, in contact with water, emit flammable gases.
	enumeration	14	Oxidizing substances.
	enumeration	15	Organic peroxides.
	enumeration	16	Toxic substances.
	enumeration	17	Infectious substances.
	enumeration	18	Radioactive material.
	enumeration	19	Corrosive substances.
	enumeration	20	Miscellaneous dangerous substances and articles.
	enumeration	21	Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Attribute	categoryOfDangerousOrHazardousCargoType/@code	

### Simple Type Applicability\_categoryOfDangerousOrHazardousCargoLabel

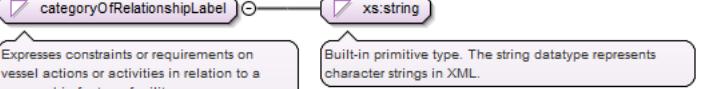
Namespace	http://www.ihc.int/S122/2.0																																																		
Annotations	Custom enum: Applicability/categoryOfDangerousOrHazardousCargo																																																		
Diagram	<pre> classDiagram     class Applicability_categoryOfDangerousOrHazardousCargoLabel {         &lt;&lt;Custom enum: Applicability/categoryOfDangerousOrHazardousCargo&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     Applicability_categoryOfDangerousOrHazardousCargoLabel &lt; -- xsString   </pre>																																																		
Type	restriction of xs:string																																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.4</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.5</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.6</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 2 Div. 2.1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 2 Div. 2.2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 2 Div. 2.3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 4 Div. 4.1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 4 Div. 4.2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 4 Div. 4.3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 5 Div. 5.1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 5 Div. 5.2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 6 Div. 6.1</td> <td></td> </tr> </table>			enumeration	IMDG Code Class 1 Div. 1.1		enumeration	IMDG Code Class 1 Div. 1.2		enumeration	IMDG Code Class 1 Div. 1.3		enumeration	IMDG Code Class 1 Div. 1.4		enumeration	IMDG Code Class 1 Div. 1.5		enumeration	IMDG Code Class 1 Div. 1.6		enumeration	IMDG Code Class 2 Div. 2.1		enumeration	IMDG Code Class 2 Div. 2.2		enumeration	IMDG Code Class 2 Div. 2.3		enumeration	IMDG Code Class 3		enumeration	IMDG Code Class 4 Div. 4.1		enumeration	IMDG Code Class 4 Div. 4.2		enumeration	IMDG Code Class 4 Div. 4.3		enumeration	IMDG Code Class 5 Div. 5.1		enumeration	IMDG Code Class 5 Div. 5.2		enumeration	IMDG Code Class 6 Div. 6.1	
enumeration	IMDG Code Class 1 Div. 1.1																																																		
enumeration	IMDG Code Class 1 Div. 1.2																																																		
enumeration	IMDG Code Class 1 Div. 1.3																																																		
enumeration	IMDG Code Class 1 Div. 1.4																																																		
enumeration	IMDG Code Class 1 Div. 1.5																																																		
enumeration	IMDG Code Class 1 Div. 1.6																																																		
enumeration	IMDG Code Class 2 Div. 2.1																																																		
enumeration	IMDG Code Class 2 Div. 2.2																																																		
enumeration	IMDG Code Class 2 Div. 2.3																																																		
enumeration	IMDG Code Class 3																																																		
enumeration	IMDG Code Class 4 Div. 4.1																																																		
enumeration	IMDG Code Class 4 Div. 4.2																																																		
enumeration	IMDG Code Class 4 Div. 4.3																																																		
enumeration	IMDG Code Class 5 Div. 5.1																																																		
enumeration	IMDG Code Class 5 Div. 5.2																																																		
enumeration	IMDG Code Class 6 Div. 6.1																																																		

	enumeration	IMDG Code Class 6 Div. 6.2
	enumeration	IMDG Code Class 7
	enumeration	IMDG Code Class 8
	enumeration	IMDG Code Class 9
	enumeration	Harmful Substances in Packaged Form
Used by	Complex Type	Applicability_categoryOfDangerousOrHazardousCargoType

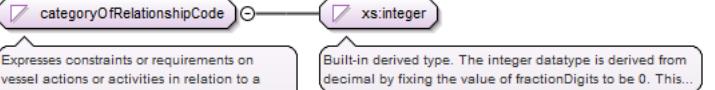
### Simple Type Applicability\_categoryOfDangerousOrHazardousCargoCode

Namespace	http://www.oho.int/S122/2.0		
Annotations	Custom enum: Applicability/categoryOfDangerousOrHazardousCargo		
Diagram	<p>The diagram illustrates the relationship between the custom enum and its base type. A rounded rectangle labeled "Applicability_categoryOfDangerousOrHazardousCargoCode" contains a small icon of a purple square with a white circle. An association line connects this box to another rounded rectangle labeled "xs:integer", which also contains a similar icon. A callout bubble points from the "xs:integer" box to a note stating: "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Explosives, Division 1: Substances and articles which have a mass explosion hazard.
	enumeration	2	Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
	enumeration	3	Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
	enumeration	4	Explosives, Division 4: Substances and articles which present no significant hazard.
	enumeration	5	Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.
	enumeration	6	Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
	enumeration	7	Gases, flammable gases.
	enumeration	8	Gases, non-flammable, non-toxic gases.
	enumeration	9	Gases, toxic gases.
	enumeration	10	Flammable liquids.
	enumeration	11	Flammable solids, self-reactive substances and desensitized explosives.
	enumeration	12	Substances liable to spontaneous combustion.
	enumeration	13	Substances which, in contact with water, emit flammable gases.
	enumeration	14	Oxidizing substances.
	enumeration	15	Organic peroxides.
	enumeration	16	Toxic substances.
	enumeration	17	Infectious substances.
	enumeration	18	Radioactive material.
	enumeration	19	Corrosive substances.
	enumeration	20	Miscellaneous dangerous substances and articles.
	enumeration	21	Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Attribute	Applicability_categoryOfDangerousOrHazardousCargoType/@code	

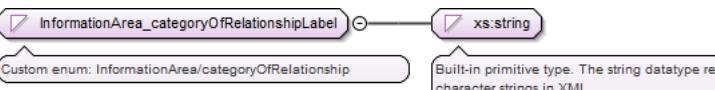
### Simple Type categoryOfRelationshipLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.		
Diagram	 <p>Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Prohibited	1: Use of facility, waterway or service is forbidden.
	enumeration	Not Recommended	2: Use of facility, waterway or service is not recommended.
	enumeration	Permitted	3: Use of facility, waterway, or service is permitted but not required.
	enumeration	Recommended	4: Use of facility, waterway, or service is recommended.
	enumeration	Required	5: Use of facility, waterway, or service is required.
	enumeration	Not Required	6: Use of facility, waterway, or service is not required.
	enumeration	Exclusively Permitted	7: Only vessels of the specified characteristics may use the facility, waterway, or service.
Used by	Complex Type	categoryOfRelationshipType	

### Simple Type categoryOfRelationshipCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.		
Diagram	 <p>Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Use of facility, waterway or service is forbidden.
	enumeration	2	Use of facility, waterway or service is not recommended.
	enumeration	3	Use of facility, waterway, or service is permitted but not required.
	enumeration	4	Use of facility, waterway, or service is recommended.
	enumeration	5	Use of facility, waterway, or service is required.
	enumeration	6	Use of facility, waterway, or service is not required.
	enumeration	7	Only vessels of the specified characteristics may use the facility, waterway, or service.
Used by	Attribute	categoryOfRelationshipType/@code	

### Simple Type InformationArea\_categoryOfRelationshipLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: InformationArea/categoryOfRelationship		
Diagram	 <p>Custom enum: InformationArea/categoryOfRelationship</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		

Facets	enumeration	Prohibited
	enumeration	Permitted
Used by	Complex Type	InformationArea_categoryOfRelationshipType

### Simple Type InformationArea\_categoryOfRelationshipCode

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	Custom enum: InformationArea/categoryOfRelationship	
Diagram		<p>Custom enum: InformationArea/categoryOfRelationship</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>
Type	restriction of xs:integer	
Facets	enumeration 1 enumeration 3	Use of facility, waterway or service is forbidden. Use of facility, waterway, or service is permitted but not required.
Used by	Attribute	InformationArea_categoryOfRelationshipType/@code

### Simple Type categoryOfRestrictedAreaLabel

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	The official legal status of each kind of restricted area defines the kind of restriction(s), for example the restriction for a 'game reserve' may be 'entering prohibited'.	
Diagram		<p>The official legal status of each kind of restricted area defines the kind of restriction(s), for example the...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration Offshore Safety Zone enumeration Nature Reserve enumeration Bird Sanctuary enumeration Game Reserve enumeration Seal Sanctuary enumeration Historic Wreck Area enumeration Research Area enumeration Fish Sanctuary enumeration Ecological Reserve enumeration Environmentally Sensitive Sea Area enumeration Particularly Sensitive Sea Area	1: The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone. 4: A tract of land or water managed so as to preserve its flora, fauna, physical features, etc. 5: A place where birds are bred and protected. 6: A place where wild animals or birds hunted for sport or food are kept undisturbed for private use. 7: A place where seals are protected. 10: An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring). 20: An area where marine research takes place. 22: A place where fish (including shellfish and crustaceans) are protected. 23: A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings. 27: A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons. 28: An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.

	enumeration	Coral Sanctuary	31: A place where coral is protected.
	enumeration	Recreation Area	32: An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
	enumeration	Ship Pollution Emission Control	33: An area within which the ship pollution emission is controlled.
Used by	Complex Type	categoryOfRestrictedAreaType	

### Simple Type categoryOfRestrictedAreaCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The official legal status of each kind of restricted area defines the kind of restriction(s), for example the restriction for a 'game reserve' may be 'entering prohibited'.		
Diagram	<pre> classDiagram     class categoryOfRestrictedAreaCode {         &lt;&lt;The official legal status of each kind of restricted area defines the kind of restriction(s), for example the...&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     categoryOfRestrictedAreaCode &lt; -- xs_integer   </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.
	enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
	enumeration	5	A place where birds are bred and protected.
	enumeration	6	A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
	enumeration	7	A place where seals are protected.
	enumeration	10	An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
	enumeration	20	An area where marine research takes place.
	enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
	enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
	enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
	enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
	enumeration	31	A place where coral is protected.
	enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
	enumeration	33	An area within which the ship pollution emission is controlled.
Used by	Attribute	categoryOfRestrictedAreaType/@code	

### Simple Type MarineProtectedArea\_categoryOfRestrictedAreaLabel

Namespace	http://www.ihc.int/S122/2.0
Annotations	Custom enum: MarineProtectedArea/categoryOfRestrictedArea

Diagram	<p>Custom enum: MarineProtectedArea/categoryOfRestrictedArea</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Offshore Safety Zone
	enumeration	Nature Reserve
	enumeration	Bird Sanctuary
	enumeration	Game Reserve
	enumeration	Seal Sanctuary
	enumeration	Historic Wreck Area
	enumeration	Research Area
	enumeration	Fish Sanctuary
	enumeration	Ecological Reserve
	enumeration	Environmentally Sensitive Sea Area
	enumeration	Particularly Sensitive Sea Area
	enumeration	Coral Sanctuary
	enumeration	Recreation Area
	enumeration	Ship Pollution Emission Control
Used by	Complex Type	MarineProtectedArea_categoryOfRestrictedAreaType

### Simple Type MarineProtectedArea\_categoryOfRestrictedAreaCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/categoryOfRestrictedArea		
Diagram	<p>Custom enum: MarineProtectedArea/categoryOfRestrictedArea</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.
	enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
	enumeration	5	A place where birds are bred and protected.
	enumeration	6	A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
	enumeration	7	A place where seals are protected.
	enumeration	10	An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
	enumeration	20	An area where marine research takes place.
	enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
	enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
	enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.

	enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
	enumeration	31	A place where coral is protected.
	enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
	enumeration	33	An area within which the ship pollution emission is controlled.
Used by	Attribute	MarineProtectedArea_categoryOfRestrictedAreaType/@code	

### Simple Type RestrictedArea\_categoryOfRestrictedAreaLabel

Namespace	http://www.ihc.int/S122/2.0																														
Annotations	Custom enum: RestrictedArea/categoryOfRestrictedArea																														
Diagram	<pre> classDiagram     class RestrictedArea_categoryOfRestrictedAreaLabel {         &lt;&lt;Custom enum: RestrictedArea/categoryOfRestrictedArea&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     RestrictedArea_categoryOfRestrictedAreaLabel &lt; -- xsString   </pre>																														
Type	restriction of xs:string																														
Facets	<table border="1"> <tr><td>enumeration</td><td>Offshore Safety Zone</td></tr> <tr><td>enumeration</td><td>Nature Reserve</td></tr> <tr><td>enumeration</td><td>Bird Sanctuary</td></tr> <tr><td>enumeration</td><td>Game Reserve</td></tr> <tr><td>enumeration</td><td>Seal Sanctuary</td></tr> <tr><td>enumeration</td><td>Historic Wreck Area</td></tr> <tr><td>enumeration</td><td>Research Area</td></tr> <tr><td>enumeration</td><td>Fish Sanctuary</td></tr> <tr><td>enumeration</td><td>Ecological Reserve</td></tr> <tr><td>enumeration</td><td>Environmentally Sensitive Sea Area</td></tr> <tr><td>enumeration</td><td>Particularly Sensitive Sea Area</td></tr> <tr><td>enumeration</td><td>Coral Sanctuary</td></tr> <tr><td>enumeration</td><td>Recreation Area</td></tr> <tr><td>enumeration</td><td>Ship Pollution Emission Control</td></tr> </table>			enumeration	Offshore Safety Zone	enumeration	Nature Reserve	enumeration	Bird Sanctuary	enumeration	Game Reserve	enumeration	Seal Sanctuary	enumeration	Historic Wreck Area	enumeration	Research Area	enumeration	Fish Sanctuary	enumeration	Ecological Reserve	enumeration	Environmentally Sensitive Sea Area	enumeration	Particularly Sensitive Sea Area	enumeration	Coral Sanctuary	enumeration	Recreation Area	enumeration	Ship Pollution Emission Control
enumeration	Offshore Safety Zone																														
enumeration	Nature Reserve																														
enumeration	Bird Sanctuary																														
enumeration	Game Reserve																														
enumeration	Seal Sanctuary																														
enumeration	Historic Wreck Area																														
enumeration	Research Area																														
enumeration	Fish Sanctuary																														
enumeration	Ecological Reserve																														
enumeration	Environmentally Sensitive Sea Area																														
enumeration	Particularly Sensitive Sea Area																														
enumeration	Coral Sanctuary																														
enumeration	Recreation Area																														
enumeration	Ship Pollution Emission Control																														
Used by	Complex Type	RestrictedArea_categoryOfRestrictedAreaType																													

### Simple Type RestrictedArea\_categoryOfRestrictedAreaCode

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Custom enum: RestrictedArea/categoryOfRestrictedArea								
Diagram	<pre> classDiagram     class RestrictedArea_categoryOfRestrictedAreaCode {         &lt;&lt;Custom enum: RestrictedArea/categoryOfRestrictedArea&gt;&gt;     }     class xsInteger {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     RestrictedArea_categoryOfRestrictedAreaCode &lt; -- xsInteger   </pre>								
Type	restriction of xs:integer								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.</td> </tr> </table>			enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.	enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.							
enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.							

enumeration	5	A place where birds are bred and protected.
enumeration	6	A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
enumeration	7	A place where seals are protected.
enumeration	10	An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
enumeration	20	An area where marine research takes place.
enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
enumeration	31	A place where coral is protected.
enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
enumeration	33	An area within which the ship pollution emission is controlled.
Used by	Attribute	RestrictedArea_categoryOfRestrictedAreaType/@code

### Simple Type categoryOfScheduleLabel

Namespace	http://www.oho.int/S122/2.0											
Annotations	The type of schedule, for instance opening, closure, etc.											
Diagram	<pre> graph LR     A([categoryOfScheduleLabel]) --&gt; B(xs:string)     </pre> <p>The diagram shows a UML class named "categoryOfScheduleLabel" connected by a directed association to a class named "xs:string". Both classes are enclosed in rounded rectangles with a purple-to-white gradient. Below the diagram, two callout boxes provide descriptions: one for "categoryOfScheduleLabel" stating "The type of schedule, for instance opening, closure, etc." and another for "xs:string" stating "Built-in primitive type. The string datatype represents character strings in XML."</p>											
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>Normal Operation</td> <td>1: The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.</td> </tr> <tr> <td>enumeration</td> <td>Closure</td> <td>2: The service, office, or area is closed.</td> </tr> <tr> <td>enumeration</td> <td>Unmanned Operation</td> <td>3: The service is available but not manned.</td> </tr> </table>			enumeration	Normal Operation	1: The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.	enumeration	Closure	2: The service, office, or area is closed.	enumeration	Unmanned Operation	3: The service is available but not manned.
enumeration	Normal Operation	1: The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.										
enumeration	Closure	2: The service, office, or area is closed.										
enumeration	Unmanned Operation	3: The service is available but not manned.										
Used by	Complex Type	categoryOfScheduleType										

### Simple Type categoryOfScheduleCode

Namespace	http://www.oho.int/S122/2.0											
Annotations	The type of schedule, for instance opening, closure, etc.											
Diagram	<pre> graph LR     A([categoryOfScheduleCode]) --&gt; B(xs:integer)     </pre> <p>The diagram shows a UML class named "categoryOfScheduleCode" connected by a directed association to a class named "xs:integer". Both classes are enclosed in rounded rectangles with a purple-to-white gradient. Below the diagram, two callout boxes provide descriptions: one for "categoryOfScheduleCode" stating "The type of schedule, for instance opening, closure, etc." and another for "xs:integer" stating "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>											
Type	restriction of xs:integer											
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The service, office, or area is closed.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The service is available but not manned.</td> </tr> </table>			enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.	enumeration	2	The service, office, or area is closed.	enumeration	3	The service is available but not manned.
enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.										
enumeration	2	The service, office, or area is closed.										
enumeration	3	The service is available but not manned.										

Used by	Attribute	categoryOfScheduleType/@code
---------	-----------	------------------------------

### Simple Type scheduleByDayOfWeek\_categoryOfScheduleLabel

Namespace	http://www.ihc.int/S122/2.0							
Annotations	Restricted values of scheduleByDayOfWeek/categoryOfSchedule							
Diagram	<pre> graph LR     A(scheduleByDayOfWeek_categoryOfScheduleLabel) --- B(xs:string)     </pre> <p>The diagram shows a UML class named "scheduleByDayOfWeek_categoryOfScheduleLabel" connected by a line to a box labeled "xs:string". Below the class is a callout box containing "Restricted values of scheduleByDayOfWeek/categoryOfSchedule". To the right of the xs:string box is another callout box stating "Built-in primitive type. The string datatype represents character strings in XML."</p>							
Type	restriction of xs:string							
Facets	<table> <tr> <td>enumeration</td> <td>Normal Operation</td> </tr> <tr> <td>enumeration</td> <td>Closure</td> </tr> <tr> <td>enumeration</td> <td>Unmanned Operation</td> </tr> </table>		enumeration	Normal Operation	enumeration	Closure	enumeration	Unmanned Operation
enumeration	Normal Operation							
enumeration	Closure							
enumeration	Unmanned Operation							
Used by	Complex Type	scheduleByDayOfWeek_categoryOfScheduleType						

### Simple Type scheduleByDayOfWeek\_categoryOfScheduleCode

Namespace	http://www.ihc.int/S122/2.0										
Annotations	Restricted values of scheduleByDayOfWeek/categoryOfSchedule										
Diagram	<pre> graph LR     A(scheduleByDayOfWeek_categoryOfScheduleCode) --- B(xs:integer)     </pre> <p>The diagram shows a UML class named "scheduleByDayOfWeek_categoryOfScheduleCode" connected by a line to a box labeled "xs:integer". Below the class is a callout box containing "Restricted values of scheduleByDayOfWeek/categoryOfSchedule". To the right of the xs:integer box is another callout box stating "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>										
Type	restriction of xs:integer										
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The service, office, or area is closed.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The service is available but not manned.</td> </tr> </table>		enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.	enumeration	2	The service, office, or area is closed.	enumeration	3	The service is available but not manned.
enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.									
enumeration	2	The service, office, or area is closed.									
enumeration	3	The service is available but not manned.									
Used by	Attribute	scheduleByDayOfWeek_categoryOfScheduleType/@code									

### Simple Type categoryOfTemporalVariationLabel

Namespace	http://www.ihc.int/S122/2.0													
Annotations	An assessment of the likelihood of change over time.													
Diagram	<pre> graph LR     A(categoryOfTemporalVariationLabel) --- B(xs:string)     </pre> <p>The diagram shows a UML class named "categoryOfTemporalVariationLabel" connected by a line to a box labeled "xs:string". Below the class is a callout box containing "An assessment of the likelihood of change over time". To the right of the xs:string box is another callout box stating "Built-in primitive type. The string datatype represents character strings in XML."</p>													
Type	restriction of xs:string													
Facets	<table> <tr> <td>enumeration</td> <td>Extreme Event</td> <td>1: Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.</td> </tr> <tr> <td>enumeration</td> <td>Likely to Change</td> <td>4: Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).</td> </tr> <tr> <td>enumeration</td> <td>Unlikely to Change</td> <td>5: Significant change to the seafloor is not expected.</td> </tr> <tr> <td>enumeration</td> <td>Unassessed</td> <td>6: Not having been assessed.</td> </tr> </table>		enumeration	Extreme Event	1: Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.	enumeration	Likely to Change	4: Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).	enumeration	Unlikely to Change	5: Significant change to the seafloor is not expected.	enumeration	Unassessed	6: Not having been assessed.
enumeration	Extreme Event	1: Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.												
enumeration	Likely to Change	4: Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).												
enumeration	Unlikely to Change	5: Significant change to the seafloor is not expected.												
enumeration	Unassessed	6: Not having been assessed.												
Used by	Complex Type	categoryOfTemporalVariationType												

### Simple Type categoryOfTemporalVariationCode

Namespace	http://www.ihc.int/S122/2.0	
Annotations	An assessment of the likelihood of change over time.	

Diagram	<p>An assessment of the likelihood of change over time.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1 Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.
	enumeration	4 Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration	5 Significant change to the seafloor is not expected.
	enumeration	6 Not having been assessed.
Used by	Attribute	categoryOfTemporalVariationType/@code

### Simple Type QualityOfNonBathymetricData\_categoryOfTemporalVariationLabel

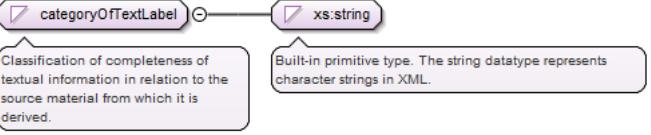
Namespace	http://www.ihodata.org/S122/2.0									
Annotations	Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation									
Diagram	<p>Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>									
Type	restriction of xs:string									
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Extreme Event</td> </tr> <tr> <td>enumeration</td> <td>Likely to Change</td> </tr> <tr> <td>enumeration</td> <td>Unlikely to Change</td> </tr> <tr> <td>enumeration</td> <td>Unassessed</td> </tr> </table>		enumeration	Extreme Event	enumeration	Likely to Change	enumeration	Unlikely to Change	enumeration	Unassessed
enumeration	Extreme Event									
enumeration	Likely to Change									
enumeration	Unlikely to Change									
enumeration	Unassessed									
Used by	Complex Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType								

### Simple Type QualityOfNonBathymetricData\_categoryOfTemporalVariationCode

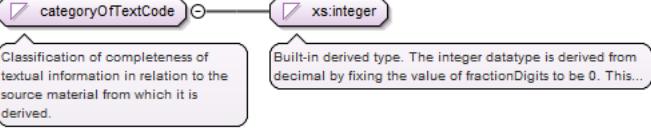
Namespace	http://www.ihodata.org/S122/2.0									
Annotations	Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation									
Diagram	<p>Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>									
Type	restriction of xs:integer									
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1 Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.</td> </tr> <tr> <td>enumeration</td> <td>4 Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).</td> </tr> <tr> <td>enumeration</td> <td>5 Significant change to the seafloor is not expected.</td> </tr> <tr> <td>enumeration</td> <td>6 Not having been assessed.</td> </tr> </table>		enumeration	1 Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.	enumeration	4 Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).	enumeration	5 Significant change to the seafloor is not expected.	enumeration	6 Not having been assessed.
enumeration	1 Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.									
enumeration	4 Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).									
enumeration	5 Significant change to the seafloor is not expected.									
enumeration	6 Not having been assessed.									
Used by	Attribute	QualityOfNonBathymetricData_categoryOfTemporalVariationType/@code								

### Simple Type categoryOfTextLabel

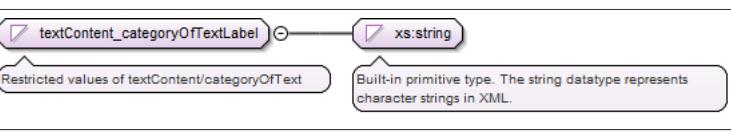
Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.		
Diagram	 <p>Classification of completeness of textual information in relation to the source material from which it is derived.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Abstract or Summary	1: A statement summarizing the important points of a text.
	enumeration	Extract	2: An excerpt or excerpts from a text.
	enumeration	Full Text	3: The whole text.
Used by	Complex Type	categoryOfTextType	

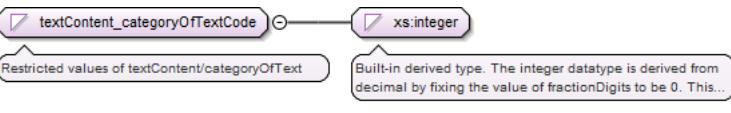
### Simple Type categoryOfTextCode

Namespace	http://www.aho.int/S122/2.0		
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.		
Diagram	 <p>Classification of completeness of textual information in relation to the source material from which it is derived.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	A statement summarizing the important points of a text.
	enumeration	2	An excerpt or excerpts from a text.
	enumeration	3	The whole text.
Used by	Attribute	categoryOfTextType/@code	

### Simple Type textContent\_categoryOfTextLabel

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of textContent/categoryOfText		
Diagram	 <p>Restricted values of textContent/categoryOfText</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Abstract or Summary	
	enumeration	Extract	
	enumeration	Full Text	
Used by	Complex Type	textContent_categoryOfTextType	

### Simple Type textContent\_categoryOfTextCode

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of textContent/categoryOfText		
Diagram	 <p>Restricted values of textContent/categoryOfText</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	Abstract or Summary	
	enumeration	Extract	
	enumeration	Full Text	

Facets	enumeration	1	A statement summarizing the important points of a text.
	enumeration	2	An excerpt or excerpts from a text.
	enumeration	3	The whole text.
Used by	Attribute	textContent_categoryOfTextType/@code	

### Simple Type categoryOfVesselRegistryLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative area, exclusive zone or other location.		
Diagram	<pre> classDiagram     class categoryOfVesselRegistryLabel {         &lt;&lt;The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     categoryOfVesselRegistryLabel &lt; -- xs_string   </pre>		
Type	restriction of xs:string		
Facets	enumeration	Domestic	1: The vessel is registered or enrolled under the same national flag as the port, harbour, territorial sea, exclusive economic zone, or administrative area in which the object that possesses this attribute applies or is located.
	enumeration	Foreign	2: The vessel is registered or enrolled under a national flag different from the port, harbour, territorial sea, exclusive economic zone, or other administrative area in which the object that possesses this attribute applies or is located.
Used by	Complex Type	categoryOfVesselRegistryType	

### Simple Type categoryOfVesselRegistryCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative area, exclusive zone or other location.		
Diagram	<pre> classDiagram     class categoryOfVesselRegistryCode {         &lt;&lt;The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     categoryOfVesselRegistryCode &lt; -- xs_integer   </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	The vessel is registered or enrolled under the same national flag as the port, harbour, territorial sea, exclusive economic zone, or administrative area in which the object that possesses this attribute applies or is located.
	enumeration	2	The vessel is registered or enrolled under a national flag different from the port, harbour, territorial sea, exclusive economic zone, or other administrative area in which the object that possesses this attribute applies or is located.
Used by	Attribute	categoryOfVesselRegistryType/@code	

### Simple Type Applicability\_categoryOfVesselRegistryLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: Applicability/categoryOfVesselRegistry		
Diagram	<pre> classDiagram     class Applicability_categoryOfVesselRegistryLabel {         &lt;&lt;Custom enum: Applicability/categoryOfVesselRegistry&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     Applicability_categoryOfVesselRegistryLabel &lt; -- xs_string   </pre>		

Type	restriction of xs:string	
Facets	enumeration	Domestic
	enumeration	Foreign
Used by	Complex Type	Applicability_categoryOfVesselRegistryType

### Simple Type Applicability\_categoryOfVesselRegistryCode

Namespace	http://www.oho.int/S122/2.0	
Annotations	Custom enum: Applicability/categoryOfVesselRegistry	
Diagram	<p>Applicability_categoryOfVesselRegistryCode → xs:integer</p> <p>Custom enum: Applicability/categoryOfVesselRegistry</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..</p>	
Type	restriction of xs:integer	
Facets	enumeration	1
	enumeration	2
		The vessel is registered or enrolled under the same national flag as the port, harbour, territorial sea, exclusive economic zone, or administrative area in which the object that possesses this attribute applies or is located.
		The vessel is registered or enrolled under a national flag different from the port, harbour, territorial sea, exclusive economic zone, or other administrative area in which the object that possesses this attribute applies or is located.
Used by	Attribute	Applicability_categoryOfVesselRegistryType/@code

### Simple Type cityNameType

Namespace	http://www.oho.int/S122/2.0	
Annotations	The name of a town or city.	
Diagram	<p>cityNameType → xs:string</p> <p>The name of a town or city.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element	contactAddressType/cityName

### Simple Type communicationChannelType

Namespace	http://www.oho.int/S122/2.0	
Annotations	A channel number assigned to a specific radio frequency, frequencies or frequency band.	
Diagram	<p>communicationChannelType → xs:string</p> <p>A channel number assigned to a specific radio frequency, frequencies or frequency band.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element	ContactDetailsType/communicationChannel

### Simple Type comparisonOperatorLabel

Namespace	http://www.oho.int/S122/2.0	
Annotations	Numerical comparison.	
Diagram	<p>comparisonOperatorLabel → xs:string</p> <p>Numerical comparison.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	

Type	restriction of xs:string		
Facets	enumeration	Greater Than	1: The value of the left value is greater than that of the right.
	enumeration	Greater Than or Equal To	2: The value of the left expression is greater than or equal to that of the right.
	enumeration	Less Than	3: The value of the left expression is less than that of the right.
	enumeration	Less Than or Equal To	4: The value of the left expression is less than or equal to that of the right.
	enumeration	Equal To	5: The two values are equivalent.
	enumeration	Not Equal To	6: The two values are not equivalent.
Used by	Complex Type	comparisonOperatorType	

### Simple Type comparisonOperatorCode

Namespace	http://www.oho.int/S122/2.0		
Annotations	Numerical comparison.		
Diagram	<p>Numerical comparison.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The value of the left value is greater than that of the right.
	enumeration	2	The value of the left expression is greater than or equal to that of the right.
	enumeration	3	The value of the left expression is less than that of the right.
	enumeration	4	The value of the left expression is less than or equal to that of the right.
	enumeration	5	The two values are equivalent.
	enumeration	6	The two values are not equivalent.
Used by	Attribute	comparisonOperatorType/@code	

### Simple Type vesselMeasurementsSpecification\_comparisonOperatorLabel

Namespace	http://www.oho.int/S122/2.0		
Annotations	Restricted values of vesselMeasurementsSpecification/comparisonOperator		
Diagram	<p>Restricted values of vesselMeasurementsSpecification/comparisonOperator</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Greater Than	
	enumeration	Greater Than or Equal To	
	enumeration	Less Than	
	enumeration	Less Than or Equal To	
	enumeration	Equal To	
	enumeration	Not Equal To	
Used by	Complex Type	vesselMeasurementsSpecification_comparisonOperatorType	

### Simple Type vesselMeasurementsSpecification\_comparisonOperatorCode

Namespace	http://www.oho.int/S122/2.0		
Annotations	Restricted values of vesselMeasurementsSpecification/comparisonOperator		

Diagram	<p>vesselMeasurementsSpecification_comparisonOperatorCode</p> <p>xs:integer</p> <p>Restricted values of vesselMeasurementsSpecification/comparisonOperator</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1
	enumeration	2
	enumeration	3
	enumeration	4
	enumeration	5
	enumeration	6
Used by	Attribute vesselMeasurementsSpecification_comparisonOperatorType/@code	

### Simple Type contactInstructionsType

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Instructions provided on how to contact a particular person, organisation or service.	
Diagram	<p>contactInstructionsType</p> <p>xs:string</p> <p>Instructions provided on how to contact a particular person, organisation or service.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements ContactDetailsType/contactInstructions, telecommunicationsType/contactInstructions	

### Simple Type countryNameType

Namespace	http://www.ihc.int/S122/2.0	
Annotations	The name of a nation.	
Diagram	<p>countryNameType</p> <p>xs:string</p> <p>The name of a nation.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements contactAddressType/countryName, sourceIndicationType/countryName	

### Simple Type dateVariableType

Namespace	http://www.ihc.int/S122/2.0	
Annotations	A day which is not fixed in the Gregorian calendar.	
Diagram	<p>dateVariableType</p> <p>xs:string</p> <p>A day which is not fixed in the Gregorian calendar.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element NonStandardWorkingDayType/dateVariable	

### Simple Type dayOfWeekLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Any one of seven days in a week.	

Diagram	<p>Any one of seven days in a week.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Sunday 1: The day of the week following Saturday and preceding Monday.
	enumeration	Monday 2: The day of the week following Sunday and preceding Tuesday.
	enumeration	Tuesday 3: The day of the week following Monday and preceding Wednesday.
	enumeration	Wednesday 4: The day of the week following Tuesday and preceding Thursday.
	enumeration	Thursday 5: The day of the week following Wednesday and preceding Friday.
	enumeration	Friday 6: The day of the week following Thursday and preceding Saturday.
	enumeration	Saturday 7: The day of the week following Friday and preceding Sunday.
Used by	Complex Type	dayOfWeekType

### Simple Type dayOfWeekCode

Namespace	http://www.aho.int/S122/2.0	
Annotations	Any one of seven days in a week.	
Diagram	<p>Any one of seven days in a week.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1 The day of the week following Saturday and preceding Monday.
	enumeration	2 The day of the week following Sunday and preceding Tuesday.
	enumeration	3 The day of the week following Monday and preceding Wednesday.
	enumeration	4 The day of the week following Tuesday and preceding Thursday.
	enumeration	5 The day of the week following Wednesday and preceding Friday.
	enumeration	6 The day of the week following Thursday and preceding Saturday.
	enumeration	7 The day of the week following Friday and preceding Sunday.
Used by	Attribute	dayOfWeekType/@code

### Simple Type timeIntervalsByDayOfWeak\_dayOfWeekLabel

Namespace	http://www.aho.int/S122/2.0	
Annotations	Restricted values of timeIntervalsByDayOfWeak/dayOfWeek	
Diagram	<p>Restricted values of timeIntervalsByDayOfWeak/dayOfWeek</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Sunday
	enumeration	Monday
	enumeration	Tuesday
	enumeration	Wednesday

	enumeration	Thursday
	enumeration	Friday
	enumeration	Saturday
Used by	Complex Type	timeIntervalsByDayOfWeek_dayOfWeekType

### Simple Type timeIntervalsByDayOfWeek\_dayOfWeekCode

Namespace	http://www.aho.int/S122/2.0																						
Annotations	Restricted values of timeIntervalsByDayOfWeek/dayOfWeek																						
Diagram		<p>timeIntervalsByDayOfWeek_dayOfWeekCode → xs:integer</p> <p>Restricted values of timeIntervalsByDayOfWeek/dayOfWeek</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>																					
Type	restriction of xs:integer																						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The day of the week following Saturday and preceding Monday.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The day of the week following Sunday and preceding Tuesday.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The day of the week following Monday and preceding Wednesday.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>The day of the week following Tuesday and preceding Thursday.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>The day of the week following Wednesday and preceding Friday.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>The day of the week following Thursday and preceding Saturday.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>The day of the week following Friday and preceding Sunday.</td> </tr> </table>	enumeration	1	The day of the week following Saturday and preceding Monday.	enumeration	2	The day of the week following Sunday and preceding Tuesday.	enumeration	3	The day of the week following Monday and preceding Wednesday.	enumeration	4	The day of the week following Tuesday and preceding Thursday.	enumeration	5	The day of the week following Wednesday and preceding Friday.	enumeration	6	The day of the week following Thursday and preceding Saturday.	enumeration	7	The day of the week following Friday and preceding Sunday.	
enumeration	1	The day of the week following Saturday and preceding Monday.																					
enumeration	2	The day of the week following Sunday and preceding Tuesday.																					
enumeration	3	The day of the week following Monday and preceding Wednesday.																					
enumeration	4	The day of the week following Tuesday and preceding Thursday.																					
enumeration	5	The day of the week following Wednesday and preceding Friday.																					
enumeration	6	The day of the week following Thursday and preceding Saturday.																					
enumeration	7	The day of the week following Friday and preceding Sunday.																					
Used by	Attribute	timeIntervalsByDayOfWeek_dayOfWeekType/@code																					

### Simple Type dayOfWeekIsRangeType

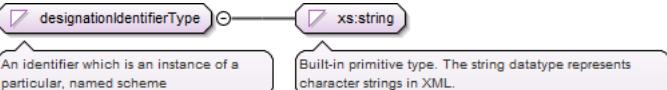
Namespace	http://www.aho.int/S122/2.0	
Annotations	A statement expressing if the days of the week identified define a range or not.	
Diagram		<p>dayOfWeekIsRangeType → xs:boolean</p> <p>A statement expressing if the days of the week identified define a range or not.</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>
Type	xs:boolean	
Used by	Element	timeIntervalsByDayOfWeekType/dayOfWeekIsRange

### Simple Type deliveryPointType

Namespace	http://www.aho.int/S122/2.0	
Annotations	Details of where post can be delivered such as the apartment, name and/or number of a street, building or PO Box.	
Diagram		<p>deliveryPointType → xs:string</p> <p>Details of where post can be delivered such as the apartment, name and/or number of a street, building or PO Box.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string	
Used by	Element	contactAddressType/deliveryPoint

### Simple Type designationIdentifierType

Namespace	http://www.aho.int/S122/2.0	
-----------	-----------------------------	--

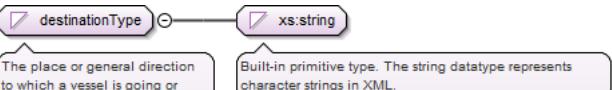
Annotations	An identifier which is an instance of a particular, named scheme
Diagram	 <p>An identifier which is an instance of a particular, named scheme</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element designationType/designationIdentifier

### Simple Type designationSchemeType

Namespace	http://www.ihc.int/S122/2.0
Annotations	An official name, title or description. This can be an identifier itself, or an identifier which is an instance of a named designation scheme.
Diagram	 <p>An official name, title or description. This can be an identifier itself, or an identifier which is an instance of a...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string

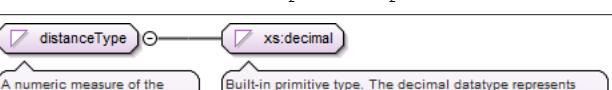
Used by Element designationType/designationScheme

### Simple Type destinationType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The place or general direction to which a vessel is going or directed.
Diagram	 <p>The place or general direction to which a vessel is going or directed.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string

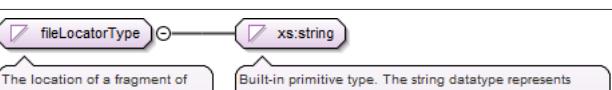
Used by Element ApplicabilityType/destination

### Simple Type distanceType

Namespace	http://www.ihc.int/S122/2.0
Annotations	A numeric measure of the spatial separation between two locations.
Diagram	 <p>A numeric measure of the spatial separation between two locations.</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>
Type	xs:decimal

Used by Element bearingInformationType/distance

### Simple Type fileLocatorType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The location of a fragment of text or other information in a support file.
Diagram	 <p>The location of a fragment of text or other information in a support file.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string

Used by Element informationType/fileLocator

## Simple Type fileReferenceType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The file name of an externally referenced text file.
Diagram	<pre> classDiagram     class fileReferenceType {         &lt;&lt;The file name of an externally referenced text file.&gt;&gt;     }     class xs:string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     fileReferenceType "1" -- "0..1" xs:string   </pre>
Type	xs:string
Used by	Element informationType/fileReference

## Simple Type frequencyShoreStationReceivesType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The shore station receiver frequency.
Diagram	<pre> classDiagram     class frequencyShoreStationReceivesType {         &lt;&lt;The shore station receiver frequency.&gt;&gt;     }     class xs:integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     frequencyShoreStationReceivesType "1" -- "0..1" xs:integer   </pre>
Type	restriction of xs:integer
Facets	minExclusive 0
Used by	Element frequencyPairType/frequencyShoreStationReceives

## Simple Type frequencyShoreStationTransmitsType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The shore station transmitter frequency.
Diagram	<pre> classDiagram     class frequencyShoreStationTransmitsType {         &lt;&lt;The shore station transmitter frequency.&gt;&gt;     }     class xs:integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     frequencyShoreStationTransmitsType "1" -- "0..1" xs:integer   </pre>
Type	restriction of xs:integer
Facets	minExclusive 0
Used by	Element frequencyPairType/frequencyShoreStationTransmits

## Simple Type headlineType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Words set at the head of a passage or page to introduce or categorize.
Diagram	<pre> classDiagram     class headlineType {         &lt;&lt;Words set at the head of a passage or page to introduce or categorize.&gt;&gt;     }     class xs:string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     headlineType "1" -- "0..1" xs:string   </pre>
Type	xs:string
Used by	Elements informationType/headline, rxNCodeType/headline

## Simple Type horizontalDistanceUncertaintyType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The best estimate of the horizontal accuracy of horizontal clearances and distances.
Diagram	<pre> classDiagram     class horizontalDistanceUncertaintyType {         &lt;&lt;The best estimate of the horizontal accuracy of horizontal clearances and distances.&gt;&gt;     }     class xs:decimal {         &lt;&lt;Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.&gt;&gt;     }     horizontalDistanceUncertaintyType "1" -- "0..1" xs:decimal   </pre>

Type	restriction of xs:decimal	
Facets	minInclusive	0
Used by	Element	QualityOfNonBathymetricDataType/horizontalDistanceUncertainty

### Simple Type inBallastType

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	Whether the vessel is in ballast.	
Diagram	<pre> classDiagram     class inBallastType {         &lt;&lt;xs:boolean&gt;&gt;     }     class xs {         class boolean     }     inBallastType &lt; -- xs.boolean   </pre> <p>The diagram shows a UML class named 'inBallastType' with a constraint arrow pointing to the 'xs:boolean' class. A callout box under 'inBallastType' says 'Whether the vessel is in ballast.' A callout box under 'xs:boolean' says 'Built-in primitive type. It defines the boolean values true and false.'</p>	
Type	xs:boolean	
Used by	Element	ApplicabilityType/inBallast

### Simple Type interoperabilityIdentifierType

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	A common unique identifier for entities which describe a single real-world feature, and which is used to identify instances of the feature in end-user systems where the feature may be included in multiple data product types.	
Diagram	<pre> classDiagram     class interoperabilityIdentifierType {         &lt;&lt;xs:anyURI&gt;&gt;     }     class xs {         class anyURI     }     interoperabilityIdentifierType &lt; -- xs.anyURI   </pre> <p>The diagram shows a UML class named 'interoperabilityIdentifierType' with a constraint arrow pointing to the 'xs:anyURI' class. A callout box under 'interoperabilityIdentifierType' says 'A common unique identifier for entities which describe a single real-world feature, and which is used to identify...'. A callout box under 'xs:anyURI' says 'Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).'</p>	
Type	xs:anyURI	
Used by	Elements	DataCoverageType/interoperabilityIdentifier, FeatureTypeType/interoperabilityIdentifier, QualityOfNonBathymetricDataType/interoperabilityIdentifier

### Simple Type jurisdictionLabel

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	The jurisdiction applicable to an administrative area.	
Diagram	<pre> classDiagram     class jurisdictionLabel {         &lt;&lt;xs:string&gt;&gt;     }     class xs {         class string     }     jurisdictionLabel &lt; -- xs.string   </pre> <p>The diagram shows a UML class named 'jurisdictionLabel' with a constraint arrow pointing to the 'xs:string' class. A callout box under 'jurisdictionLabel' says 'The jurisdiction applicable to an administrative area.'. A callout box under 'xs:string' says 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	enumeration	International 1: Involving more than one country; covering more than one national area.
	enumeration	National 2: An area administered or controlled by a single nation.
	enumeration	National Sub-Division 3: An area smaller than the nation in which it lies.
Used by	Complex Type	jurisdictionType

### Simple Type jurisdictionCode

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	The jurisdiction applicable to an administrative area.	
Diagram	<pre> classDiagram     class jurisdictionCode {         &lt;&lt;xs:integer&gt;&gt;     }     class xs {         class integer     }     jurisdictionCode &lt; -- xs.integer   </pre> <p>The diagram shows a UML class named 'jurisdictionCode' with a constraint arrow pointing to the 'xs:integer' class. A callout box under 'jurisdictionCode' says 'The jurisdiction applicable to an administrative area.'. A callout box under 'xs:integer' says 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'</p>	
Type	restriction of xs:integer	

Facets	enumeration	1	Involving more than one country; covering more than one national area.
	enumeration	2	An area administered or controlled by a single nation.
	enumeration	3	An area smaller than the nation in which it lies.
Used by	Attribute	jurisdictionType/@code	

### Simple Type MarineProtectedArea\_jurisdictionLabel

Namespace	http://www.aho.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/jurisdiction		
Diagram	<pre> classDiagram     class MarineProtectedArea_jurisdictionLabel {         &lt;&lt;Custom enum: MarineProtectedArea/jurisdiction&gt;&gt;     }     class xs.string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     MarineProtectedArea_jurisdictionLabel &lt; -- xs.string   </pre>		
Type	restriction of xs:string	International	
Facets		National	
		National Sub-Division	
Used by	Complex Type	MarineProtectedArea_jurisdictionType	

### Simple Type MarineProtectedArea\_jurisdictionCode

Namespace	http://www.aho.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/jurisdiction		
Diagram	<pre> classDiagram     class MarineProtectedArea_jurisdictionCode {         &lt;&lt;Custom enum: MarineProtectedArea/jurisdiction&gt;&gt;     }     class xs.integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     MarineProtectedArea_jurisdictionCode &lt; -- xs.integer   </pre>		
Type	restriction of xs:integer	International	Involving more than one country; covering more than one national area.
Facets		National	An area administered or controlled by a single nation.
		National Sub-Division	An area smaller than the nation in which it lies.
Used by	Attribute	MarineProtectedArea_jurisdictionType/@code	

### Simple Type designation\_jurisdictionLabel

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of designation/jurisdiction		
Diagram	<pre> classDiagram     class designation_jurisdictionLabel {         &lt;&lt;Restricted values of designation/jurisdiction&gt;&gt;     }     class xs.string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     designation_jurisdictionLabel &lt; -- xs.string   </pre>		
Type	restriction of xs:string	International	
Facets		National	
		National Sub-Division	
Used by	Complex Type	designation_jurisdictionType	

### Simple Type designation\_jurisdictionCode

Namespace	http://www.aho.int/S122/2.0		
-----------	-----------------------------	--	--

Annotations	Restricted values of designation/jurisdiction		
Diagram			
	<p>Restricted values of designation/jurisdiction</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Involving more than one country; covering more than one national area.
	enumeration	2	An area administered or controlled by a single nation.
	enumeration	3	An area smaller than the nation in which it lies.
Used by	Attribute	designation_jurisdictionType/@code	

### Simple Type languageType

Namespace	http://www.aho.int/S122/2.0		
Annotations	The method of human communication, either spoken or written, consisting of the use of words in a structured and conventional way.		
Diagram			
	<p>The method of human communication, either spoken or written, consisting of the use of words in a structured and...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	xs:string		
Used by	Elements	ContactDetailsType/language, featureNameType/language, informationType/language	

### Simple Type linkageType

Namespace	http://www.aho.int/S122/2.0		
Annotations	Location (address) for online access using a URL/URI address or similar addressing scheme.		
Diagram			
	<p>Location (address) for online access using a URL/URI address or similar addressing scheme.</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>		
Type	xs:anyURI		
Used by	Element	onlineResourceType/linkage	

### Simple Type logicalConnectivesLabel

Namespace	http://www.aho.int/S122/2.0		
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.		
Diagram			
	<p>Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Logical Conjunction	1: All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.
	enumeration	Logical Disjunction	2: At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.
Used by	Complex Type	logicalConnectivesType	

## Simple Type logicalConnectivesCode

Namespace	http://www.aho.int/S122/2.0							
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.							
Diagram	<pre> classDiagram     class logicalConnectivesCode {         &lt;&lt;Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint...&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     logicalConnectivesCode "1" -- "0..1" xs_integer   </pre>							
Type	restriction of xs:integer							
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.</td> </tr> </table>		enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.	enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.
enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.						
enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.						
Used by	Attribute logicalConnectivesType/@code							

## Simple Type Applicability\_logicalConnectivesLabel

Namespace	http://www.aho.int/S122/2.0					
Annotations	Custom enum: Applicability/logicalConnectives					
Diagram	<pre> classDiagram     class Applicability_logicalConnectivesLabel {         &lt;&lt;Custom enum: Applicability/logicalConnectives&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     Applicability_logicalConnectivesLabel "1" -- "0..1" xs_string   </pre>					
Type	restriction of xs:string					
Facets	<table> <tr> <td>enumeration</td> <td>Logical Conjunction</td> </tr> <tr> <td>enumeration</td> <td>Logical Disjunction</td> </tr> </table>		enumeration	Logical Conjunction	enumeration	Logical Disjunction
enumeration	Logical Conjunction					
enumeration	Logical Disjunction					
Used by	Complex Type Applicability_logicalConnectivesType					

## Simple Type Applicability\_logicalConnectivesCode

Namespace	http://www.aho.int/S122/2.0							
Annotations	Custom enum: Applicability/logicalConnectives							
Diagram	<pre> classDiagram     class Applicability_logicalConnectivesCode {         &lt;&lt;Custom enum: Applicability/logicalConnectives&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     Applicability_logicalConnectivesCode "1" -- "0..1" xs_integer   </pre>							
Type	restriction of xs:integer							
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.</td> </tr> </table>		enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.	enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.
enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.						
enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.						
Used by	Attribute Applicability_logicalConnectivesType/@code							

## Simple Type maximumDisplayScaleType

Namespace	http://www.aho.int/S122/2.0	
Annotations	The largest intended viewing scale for the data.	
Diagram	<pre> classDiagram     class maximumDisplayScaleType {         &lt;&lt;The largest intended viewing scale for the data.&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     maximumDisplayScaleType "1" -- "0..1" xs_integer   </pre>	

Type	restriction of xs:integer	
Facets	minInclusive	1
Used by	Element	DataCoverageType/maximumDisplayScale

### Simple Type membershipLabel

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.		
Diagram	<pre> classDiagram     class membershipLabel {         &lt;&lt;Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     membershipLabel &lt; -- xsString   </pre>		
Type	restriction of xs:string		
Facets	enumeration	Included	1: Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.
	enumeration	Excluded	2: Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.
Used by	Complex Type	membershipType	

### Simple Type membershipCode

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.		
Diagram	<pre> classDiagram     class membershipCode {         &lt;&lt;Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.&gt;&gt;     }     class xsInteger {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     membershipCode &lt; -- xsInteger   </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.
	enumeration	2	Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.
Used by	Attribute	membershipType/@code	

### Simple Type minimumDisplayScaleType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	The smallest intended viewing scale for the data.		
Diagram	<pre> classDiagram     class minimumDisplayScaleType {         &lt;&lt;The smallest intended viewing scale for the data.&gt;&gt;     }     class xsInteger {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     minimumDisplayScaleType &lt; -- xsInteger   </pre>		
Type	restriction of xs:integer		
Facets	minInclusive	1	
Used by	Element	DataCoverageType/minimumDisplayScale	

### Simple Type mMSICodeType

Namespace	http://www.ihodata.org/S122/2.0		
-----------	---------------------------------	--	--

Annotations	The Maritime Mobile Service Identity (MMSI) Code is formed of a series of nine digits which are transmitted over the radio path in order to uniquely identify ship stations, ship earth stations, coast stations, coast earth stations, and group calls. These identities are formed in such a way that the identity or part thereof can be used by telephone and telex subscribers connected to the general telecommunications network principally to call ships automatically.
Diagram	<pre> classDiagram     class mMSICodeType     class xsString     mMSICodeType "1" -- "0..1" xsString   </pre> <p>The diagram shows a UML class named 'mMSICodeType' connected to another class 'xs.string' via a relationship line. There are two callouts: one pointing to 'mMSICodeType' with the text 'The Maritime Mobile Service Identity (MMSI) Code is formed of a series of nine digits which are transmitted over the...', and another pointing to 'xs.string' with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Used by	Element ContactDetailsType/mMSICode

### Simple Type nameType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The individual name of a feature.
Diagram	<pre> classDiagram     class nameType     class xsString     nameType "1" -- "0..1" xsString   </pre> <p>The diagram shows a UML class named 'nameType' connected to another class 'xs.string' via a relationship line. There are two callouts: one pointing to 'nameType' with the text 'The individual name of a feature.', and another pointing to 'xs.string' with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Used by	Element featureNameType/name

### Simple Type nameOfResourceType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Name of the online resource.
Diagram	<pre> classDiagram     class nameOfResourceType     class xsString     nameOfResourceType "1" -- "0..1" xsString   </pre> <p>The diagram shows a UML class named 'nameOfResourceType' connected to another class 'xs.string' via a relationship line. There are two callouts: one pointing to 'nameOfResourceType' with the text 'Name of the online resource.', and another pointing to 'xs.string' with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Used by	Element onlineResourceType/nameOfResource

### Simple Type nameUsageLabel

Namespace	http://www.ihc.int/S122/2.0									
Annotations	Classification of the type and display level of the name of a feature in an end-user system.									
Diagram	<pre> classDiagram     class nameUsageLabel     class xsString     nameUsageLabel "1" -- "0..1" xsString   </pre> <p>The diagram shows a UML class named 'nameUsageLabel' connected to another class 'xs.string' via a relationship line. There are two callouts: one pointing to 'nameUsageLabel' with the text 'Classification of the type and display level of the name of a feature in an end-user system.', and another pointing to 'xs.string' with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>									
Type	restriction of xs:string									
Facets	<table> <tr> <td>enumeration</td> <td>Default Name Display</td> <td>1: The name is intended to be displayed when the end-user system is set to the default name/text display setting.</td> </tr> <tr> <td>enumeration</td> <td>Alternate Name Display</td> <td>2: The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.</td> </tr> <tr> <td>enumeration</td> <td>No Chart Display</td> <td>3: The name or text is not intended to be displayed.</td> </tr> </table>	enumeration	Default Name Display	1: The name is intended to be displayed when the end-user system is set to the default name/text display setting.	enumeration	Alternate Name Display	2: The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.	enumeration	No Chart Display	3: The name or text is not intended to be displayed.
enumeration	Default Name Display	1: The name is intended to be displayed when the end-user system is set to the default name/text display setting.								
enumeration	Alternate Name Display	2: The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.								
enumeration	No Chart Display	3: The name or text is not intended to be displayed.								
Used by	Complex Type nameUsageType									

### Simple Type nameUsageCode

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Annotations	Classification of the type and display level of the name of a feature in an end-user system.		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration	2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration	3	The name or text is not intended to be displayed.
Used by	Attribute	nameUsageType/@code	

### Simple Type `featureName_nameUsageLabel`

Namespace	http://www.aho.int/S122/2.0											
Annotations	Restricted values of <code>featureName/nameUsage</code>											
Diagram												
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>Default Name Display</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Alternate Name Display</td> <td></td> </tr> <tr> <td>enumeration</td> <td>No Chart Display</td> <td></td> </tr> </table>			enumeration	Default Name Display		enumeration	Alternate Name Display		enumeration	No Chart Display	
enumeration	Default Name Display											
enumeration	Alternate Name Display											
enumeration	No Chart Display											
Used by	Complex Type	<code>featureName_nameUsageType</code>										

### Simple Type `featureName_nameUsageCode`

Namespace	http://www.aho.int/S122/2.0											
Annotations	Restricted values of <code>featureName/nameUsage</code>											
Diagram												
Type	restriction of xs:integer											
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The name is intended to be displayed when the end-user system is set to the default name/text display setting.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The name or text is not intended to be displayed.</td> </tr> </table>			enumeration	1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.	enumeration	2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.	enumeration	3	The name or text is not intended to be displayed.
enumeration	1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.										
enumeration	2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.										
enumeration	3	The name or text is not intended to be displayed.										
Used by	Attribute	<code>featureName_nameUsageType/@code</code>										

### Simple Type `onlineFunctionLabel`

Namespace	http://www.aho.int/S122/2.0		
Annotations	Code for function performed by the online resource (ISO 19115)		
Diagram			

Type	restriction of xs:string		
Facets	enumeration	Download	1: Online instructions for transferring data from one storage device or system to another.
	enumeration	Offline Access	3: Online instructions for requesting the resource from the provider.
	enumeration	Order	4: Online order process for obtaining the resource.
	enumeration	Search	5: To make painstaking investigation or examination.
	enumeration	Complete Metadata	6: Complete metadata provided.
	enumeration	Browse Graphic	7: Browse graphic provided.
	enumeration	Upload	8: Online resource upload capability provided.
	enumeration	Email Service	9: Online email service provided.
	enumeration	Browsing	10: Online browsing provided.
	enumeration	File Access	11: Online file access provided.
Used by	Complex Type	onlineFunctionType	

### Simple Type onlineFunctionCode

Namespace	http://www.aho.int/S122/2.0		
Annotations	Code for function performed by the online resource (ISO 19115)		
Diagram	<p>The diagram shows a UML class named 'onlineFunctionCode' with a generalization arrow pointing to the 'xs:integer' class. A callout box for 'onlineFunctionCode' states: 'Code for function performed by the online resource (ISO 19115)'. A callout box for 'xs:integer' states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Online instructions for transferring data from one storage device or system to another.
	enumeration	3	Online instructions for requesting the resource from the provider.
	enumeration	4	Online order process for obtaining the resource.
	enumeration	5	To make painstaking investigation or examination.
	enumeration	6	Complete metadata provided.
	enumeration	7	Browse graphic provided.
	enumeration	8	Online resource upload capability provided.
	enumeration	9	Online email service provided.
	enumeration	10	Online browsing provided.
	enumeration	11	Online file access provided.
Used by	Attribute	onlineFunctionType/@code	

### Simple Type onlineResource\_onlineFunctionLabel

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of onlineResource/onlineFunction		
Diagram	<p>The diagram shows a UML class named 'onlineResource_onlineFunctionLabel' with a generalization arrow pointing to the 'xs:string' class. A callout box for 'onlineResource_onlineFunctionLabel' states: 'Restricted values of onlineResource/onlineFunction'. A callout box for 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	Download	
	enumeration	Offline Access	
	enumeration	Order	
	enumeration	Search	
	enumeration	Complete Metadata	

	enumeration	<a href="#">Browse Graphic</a>
	enumeration	<a href="#">Upload</a>
	enumeration	<a href="#">Email Service</a>
	enumeration	<a href="#">Browsing</a>
	enumeration	<a href="#">File Access</a>
Used by	Complex Type	<a href="#">onlineResource_onlineFunctionType</a>

### Simple Type onlineResource\_onlineFunctionCode

Namespace	<a href="http://www.aho.int/S122/2.0">http://www.aho.int/S122/2.0</a>	
Annotations	Restricted values of onlineResource/onlineFunction	
Diagram	<p>onlineResource_onlineFunctionCode <math>\ominus</math> xs:integer</p> <p>Restricted values of onlineResource/onlineFunction</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1
	Online instructions for transferring data from one storage device or system to another.	
	enumeration	3
	Online instructions for requesting the resource from the provider.	
	enumeration	4
	Online order process for obtaining the resource.	
	enumeration	5
	To make painstaking investigation or examination.	
	enumeration	6
	Complete metadata provided.	
	enumeration	7
	Browse graphic provided.	
	enumeration	8
	Online resource upload capability provided.	
	enumeration	9
	Online email service provided.	
	enumeration	10
	Online browsing provided.	
	enumeration	11
	Online file access provided.	
Used by	Attribute	<a href="#">onlineResource_onlineFunctionType/@code</a>

### Simple Type onlineResourceDescriptionType

Namespace	<a href="http://www.aho.int/S122/2.0">http://www.aho.int/S122/2.0</a>	
Annotations	Detailed text description of what the online resource is/does (ISO 19115)	
Diagram	<p>onlineResourceDescriptionType <math>\ominus</math> xs:string</p> <p>Detailed text description of what the online resource is/does (ISO 19115)</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element	<a href="#">onlineResourceType/onlineResourceDescription</a>

### Simple Type optimumDisplayScaleType

Namespace	<a href="http://www.aho.int/S122/2.0">http://www.aho.int/S122/2.0</a>	
Annotations	The largest intended viewing scale for the data.	
Diagram	<p>optimumDisplayScaleType <math>\ominus</math> xs:integer</p> <p>The largest intended viewing scale for the data.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	minInclusive	1
Used by	Element	<a href="#">DataCoverageType/optimumDisplayScale</a>

### Simple Type orientationUncertaintyType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The best estimate of the accuracy of a bearing.
Diagram	<pre> classDiagram     class orientationUncertaintyType {         &lt;&lt;The best estimate of the accuracy of a bearing.&gt;&gt;     }     class xs_decimal {         &lt;&lt;Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.&gt;&gt;     }     orientationUncertaintyType "1" -- "0..1" xs_decimal   </pre>
Type	xs:decimal
Used by	Elements      QualityOfNonBathymetricDataType/orientationUncertainty, orientationType/orientationUncertainty

### Simple Type orientationValueType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The angular distance measured from true north to the major axis of the feature.
Diagram	<pre> classDiagram     class orientationValueType {         &lt;&lt;The angular distance measured from true north to the major axis of the feature.&gt;&gt;     }     class xs_decimal {         &lt;&lt;Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.&gt;&gt;     }     orientationValueType "1" -- "0..1" xs_decimal   </pre>
Type	xs:decimal
Used by	Element      orientationType/orientationValue

### Simple Type pictorialRepresentationType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Indicates whether a pictorial representation of the feature is available.
Diagram	<pre> classDiagram     class pictorialRepresentationType {         &lt;&lt;Indicates whether a pictorial representation of the feature is available.&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     pictorialRepresentationType "1" -- "0..1" xs_string   </pre>
Type	xs:string
Used by	Element      graphicType/pictorialRepresentation

### Simple Type pictureCaptionType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Short description of the purpose of the image.
Diagram	<pre> classDiagram     class pictureCaptionType {         &lt;&lt;Short description of the purpose of the image.&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     pictureCaptionType "1" -- "0..1" xs_string   </pre>
Type	xs:string
Used by	Element      graphicType/pictureCaption

### Simple Type pictureInformationType

Namespace	http://www.ihc.int/S122/2.0
Annotations	A set of information to provide credits to picture creator, copyright owner etc.
Diagram	<pre> classDiagram     class pictureInformationType {         &lt;&lt;A set of information to provide credits to picture creator, copyright owner etc.&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     pictureInformationType "1" -- "0..1" xs_string   </pre>
Type	xs:string
Used by	Element      graphicType/pictureInformation

### Simple Type postalCodeType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Known in various countries as a postcode, or ZIP code, the postal code is a series of letters and/or digits that identifies each postal delivery area.
Diagram	<pre> graph LR     postalCodeType[/postalCodeType/] --&gt; xsString[/xs:string/]   </pre> <p>The diagram shows a UML class named "postalCodeType" connected by a directed association to a class named "xs:string". A callout box points to the "postalCodeType" class with the annotation: "Known in various countries as a postcode, or ZIP code, the postal code is a series of letters and/or digits that...". Another callout box points to the "xs:string" class with the annotation: "Built-in primitive type. The string datatype represents character strings in XML."</p>
Type	xs:string
Used by	Element contactAddressType/postalCode

### Simple Type protocolType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Connection protocol to be used. Example: ftp, http get KVP, http POST, etc.
Diagram	<pre> graph LR     protocolType[/protocolType/] --&gt; xsString[/xs:string/]   </pre> <p>The diagram shows a UML class named "protocolType" connected by a directed association to a class named "xs:string". A callout box points to the "protocolType" class with the annotation: "Connection protocol to be used. Example: ftp, http get KVP, http POST, etc.". Another callout box points to the "xs:string" class with the annotation: "Built-in primitive type. The string datatype represents character strings in XML."</p>
Type	xs:string
Used by	Element onlineResourceType/protocol

### Simple Type protocolRequestType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Request used to access the resource. Structure and content depend on the protocol and standard used by the online resource, such as Web Feature Service standard.
Diagram	<pre> graph LR     protocolRequestType[/protocolRequestType/] --&gt; xsString[/xs:string/]   </pre> <p>The diagram shows a UML class named "protocolRequestType" connected by a directed association to a class named "xs:string". A callout box points to the "protocolRequestType" class with the annotation: "Request used to access the resource. Structure and content depend on the protocol and standard used by the online...". Another callout box points to the "xs:string" class with the annotation: "Built-in primitive type. The string datatype represents character strings in XML."</p>
Type	xs:string
Used by	Element onlineResourceType/protocolRequest

### Simple Type qualityOfHorizontalMeasurementLabel

Namespace	http://www.ihc.int/S122/2.0												
Annotations	The degree of reliability attributed to a position.												
Diagram	<pre> graph LR     qualityOfHorizontalMeasurementLabel[/qualityOfHorizontalMeasurementLabel/] --&gt; xsString[/xs:string/]   </pre> <p>The diagram shows a UML class named "qualityOfHorizontalMeasurementLabel" connected by a directed association to a class named "xs:string". A callout box points to the "qualityOfHorizontalMeasurementLabel" class with the annotation: "The degree of reliability attributed to a position.". Another callout box points to the "xs:string" class with the annotation: "Built-in primitive type. The string datatype represents character strings in XML."</p>												
Type	restriction of xs:string												
Facets	<table border="0"> <tr> <td>enumeration</td> <td>Surveyed</td> <td>1: The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.</td> </tr> <tr> <td>enumeration</td> <td>Unsurveyed</td> <td>2: Survey data is does not exist or is very poor.</td> </tr> <tr> <td>enumeration</td> <td>Inadequately Surveyed</td> <td>3: Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.</td> </tr> <tr> <td>enumeration</td> <td>Approximate</td> <td>4: A position that is considered to be less than third-order accuracy, but is generally</td> </tr> </table>	enumeration	Surveyed	1: The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.	enumeration	Unsurveyed	2: Survey data is does not exist or is very poor.	enumeration	Inadequately Surveyed	3: Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.	enumeration	Approximate	4: A position that is considered to be less than third-order accuracy, but is generally
enumeration	Surveyed	1: The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.											
enumeration	Unsurveyed	2: Survey data is does not exist or is very poor.											
enumeration	Inadequately Surveyed	3: Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.											
enumeration	Approximate	4: A position that is considered to be less than third-order accuracy, but is generally											

		considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.
enumeration	Position Doubtful	5: Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.
enumeration	Unreliable	6: A feature's position has been obtained from questionable or unreliable data.
enumeration	Reported (Not Surveyed)	7: An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
enumeration	Reported (Not Confirmed)	8: An object whose position has been reported and its position has not been confirmed.
enumeration	Estimated	9: The most probable position of an object determined from incomplete data or data of questionable accuracy.
enumeration	Precisely Known	10: A position that is of a known value, such as the position of an anchor berth or other defined object.
enumeration	Calculated	11: A position that is computed from data.
Used by	Complex Type	qualityOfHorizontalMeasurementType

### Simple Type qualityOfHorizontalMeasurementCode

Namespace	http://www.ihc.int/S122/2.0																																		
Annotations	The degree of reliability attributed to a position.																																		
Diagram	<pre> classDiagram     class qualityOfHorizontalMeasurementCode {         &lt;&lt;The degree of reliability attributed to a position.&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     qualityOfHorizontalMeasurementCode &lt; -- xs_integer   </pre>																																		
Type	restriction of xs:integer																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Survey data is does not exist or is very poor.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A feature's position has been obtained from questionable or unreliable data.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>An object whose position has been reported and its position has not been confirmed.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>The most probable position of an object determined from incomplete data or data of questionable accuracy.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>A position that is of a known value, such as the position of an anchor berth or other defined object.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>A position that is computed from data.</td> </tr> </table>		enumeration	1	The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.	enumeration	2	Survey data is does not exist or is very poor.	enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.	enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.	enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.	enumeration	6	A feature's position has been obtained from questionable or unreliable data.	enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.	enumeration	8	An object whose position has been reported and its position has not been confirmed.	enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.	enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.	enumeration	11	A position that is computed from data.
enumeration	1	The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.																																	
enumeration	2	Survey data is does not exist or is very poor.																																	
enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.																																	
enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.																																	
enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.																																	
enumeration	6	A feature's position has been obtained from questionable or unreliable data.																																	
enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.																																	
enumeration	8	An object whose position has been reported and its position has not been confirmed.																																	
enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.																																	
enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.																																	
enumeration	11	A position that is computed from data.																																	

Used by	Attribute	qualityOfHorizontalMeasurementType/@code
---------	-----------	--

### Simple Type SpatialQuality\_qualityOfHorizontalMeasurementLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement	
Diagram	<pre> classDiagram     class SpatialQuality_qualityOfHorizontalMeasurementLabel {         &lt;&lt;Custom enum: SpatialQuality/qualityOfHorizontalMeasurement&gt;&gt;     }     class xs:string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     SpatialQuality_qualityOfHorizontalMeasurementLabel "1" -- "0..1" xs:string   </pre>	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement Built-in primitive type. The string datatype represents character strings in XML.
Type	restriction of xs:string	
Facets	enumeration Surveyed enumeration Unsurveyed enumeration Inadequately Surveyed enumeration Approximate enumeration Position Doubtful enumeration Unreliable enumeration Reported (Not Surveyed) enumeration Reported (Not Confirmed) enumeration Estimated enumeration Precisely Known enumeration Calculated	
Used by	Complex Type	SpatialQuality_qualityOfHorizontalMeasurementType

### Simple Type SpatialQuality\_qualityOfHorizontalMeasurementCode

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement	
Diagram	<pre> classDiagram     class SpatialQuality_qualityOfHorizontalMeasurementCode {         &lt;&lt;Custom enum: SpatialQuality/qualityOfHorizontalMeasurement&gt;&gt;     }     class xs:integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     SpatialQuality_qualityOfHorizontalMeasurementCode "1" -- "0..1" xs:integer   </pre>	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...
Type	restriction of xs:integer	
Facets	enumeration 1 The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any area. enumeration 2 Survey data is does not exist or is very poor. enumeration 3 Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area. enumeration 4 A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed. enumeration 5 Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any. enumeration 6 A feature's position has been obtained from questionable or unreliable data. enumeration 7 An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object. enumeration 8 An object whose position has been reported and its position has not been confirmed.	

	enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
	enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
	enumeration	11	A position that is computed from data.
Used by	Attribute	SpatialQuality_qualityOfHorizontalMeasurementType/@code	

## Simple Type restrictionLabel

Namespace	http://www.ihc.int/S122/2.0																																																								
Annotations	The official legal statute of each kind of restricted area.																																																								
Diagram	<pre> classDiagram     class restrictionLabel {         &lt;&lt;The official legal statute of each kind of restricted area.&gt;&gt;     }     xs:string     restrictionLabel "1" -- "2" xs:string     &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;   </pre>																																																								
Type	restriction of xs:string																																																								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Anchoring Prohibited</td> <td>1: An area within which anchoring is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>Anchoring Restricted</td> <td>2: A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>Fishing Prohibited</td> <td>3: An area within which fishing is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>Fishing Restricted</td> <td>4: A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>Trawling Prohibited</td> <td>5: An area within which trawling is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>Trawling Restricted</td> <td>6: A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>Entry Prohibited</td> <td>7: An area within which navigation and/or anchoring is prohibited.</td> </tr> <tr> <td>enumeration</td> <td>Entry Restricted</td> <td>8: A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>Dredging Prohibited</td> <td>9: An area within which dredging is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>Dredging Restricted</td> <td>10: A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>Diving Prohibited</td> <td>11: An area within which diving is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>Diving Restricted</td> <td>12: A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>No Wake</td> <td>13: Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.</td> </tr> <tr> <td>enumeration</td> <td>Area To Be Avoided</td> <td>14: An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.</td> </tr> <tr> <td>enumeration</td> <td>Construction Prohibited</td> <td>15: The erection of permanent or temporary fixed structures or artificial islands is prohibited.</td> </tr> <tr> <td>enumeration</td> <td>Discharging Prohibited</td> <td>16: An area within which discharging or dumping is prohibited.</td> </tr> <tr> <td>enumeration</td> <td>Discharging Restricted</td> <td>17: A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>Industrial or Mineral Exploration/Development Prohibited</td> <td>18: An area within which industrial or mineral exploration and development are prohibited.</td> </tr> </table>			enumeration	Anchoring Prohibited	1: An area within which anchoring is not permitted.	enumeration	Anchoring Restricted	2: A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.	enumeration	Fishing Prohibited	3: An area within which fishing is not permitted.	enumeration	Fishing Restricted	4: A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.	enumeration	Trawling Prohibited	5: An area within which trawling is not permitted.	enumeration	Trawling Restricted	6: A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.	enumeration	Entry Prohibited	7: An area within which navigation and/or anchoring is prohibited.	enumeration	Entry Restricted	8: A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.	enumeration	Dredging Prohibited	9: An area within which dredging is not permitted.	enumeration	Dredging Restricted	10: A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.	enumeration	Diving Prohibited	11: An area within which diving is not permitted.	enumeration	Diving Restricted	12: A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.	enumeration	No Wake	13: Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.	enumeration	Area To Be Avoided	14: An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.	enumeration	Construction Prohibited	15: The erection of permanent or temporary fixed structures or artificial islands is prohibited.	enumeration	Discharging Prohibited	16: An area within which discharging or dumping is prohibited.	enumeration	Discharging Restricted	17: A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.	enumeration	Industrial or Mineral Exploration/Development Prohibited	18: An area within which industrial or mineral exploration and development are prohibited.
enumeration	Anchoring Prohibited	1: An area within which anchoring is not permitted.																																																							
enumeration	Anchoring Restricted	2: A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.																																																							
enumeration	Fishing Prohibited	3: An area within which fishing is not permitted.																																																							
enumeration	Fishing Restricted	4: A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.																																																							
enumeration	Trawling Prohibited	5: An area within which trawling is not permitted.																																																							
enumeration	Trawling Restricted	6: A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.																																																							
enumeration	Entry Prohibited	7: An area within which navigation and/or anchoring is prohibited.																																																							
enumeration	Entry Restricted	8: A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.																																																							
enumeration	Dredging Prohibited	9: An area within which dredging is not permitted.																																																							
enumeration	Dredging Restricted	10: A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.																																																							
enumeration	Diving Prohibited	11: An area within which diving is not permitted.																																																							
enumeration	Diving Restricted	12: A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.																																																							
enumeration	No Wake	13: Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.																																																							
enumeration	Area To Be Avoided	14: An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.																																																							
enumeration	Construction Prohibited	15: The erection of permanent or temporary fixed structures or artificial islands is prohibited.																																																							
enumeration	Discharging Prohibited	16: An area within which discharging or dumping is prohibited.																																																							
enumeration	Discharging Restricted	17: A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.																																																							
enumeration	Industrial or Mineral Exploration/Development Prohibited	18: An area within which industrial or mineral exploration and development are prohibited.																																																							

enumeration	Industrial or Mineral Exploration/Development Restricted	19: A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.
enumeration	Drilling Prohibited	20: An area within which excavating a hole on the sea-bottom with a drill is prohibited.
enumeration	Drilling Restricted	21: A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.
enumeration	Removal of Historical Artefacts Prohibited	22: An area within which the removal of historical artefacts is prohibited.
enumeration	Cargo Transhipment (Lightening) Prohibited	23: An area in which cargo transhipment (lightening) is prohibited.
enumeration	Dragging Prohibited	24: An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	Stopping Prohibited	25: An area in which a vessel is prohibited from stopping.
enumeration	Landing Prohibited	26: An area in which landing is prohibited.
enumeration	Speed Restricted	27: An area within which speed is restricted.
enumeration	Use of Spuds Prohibited	38: The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	Swimming Prohibited	39: An area in which swimming is prohibited.
enumeration	SOx Emission Restricted	40: An area within which the emission of SOx is restricted.
enumeration	NOx Emission Restricted	41: An area within which the emission of NOx is restricted.
enumeration	Power-Driven Vessels Prohibited	42: An area within which any vessel propelled by machinery is prohibited.
Used by	Complex Type	restrictionType

## Simple Type restrictionCode

Namespace	http://www.ihc.int/S122/2.0																															
Annotations	The official legal statute of each kind of restricted area.																															
Diagram																																
Type	restriction of xs:integer																															
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>An area within which anchoring is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>An area within which fishing is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>An area within which trawling is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>An area within which navigation and/or anchoring is prohibited.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>An area within which dredging is not permitted.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.</td> </tr> </table>		enumeration	1	An area within which anchoring is not permitted.	enumeration	2	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.	enumeration	3	An area within which fishing is not permitted.	enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.	enumeration	5	An area within which trawling is not permitted.	enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.	enumeration	7	An area within which navigation and/or anchoring is prohibited.	enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.	enumeration	9	An area within which dredging is not permitted.	enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.
enumeration	1	An area within which anchoring is not permitted.																														
enumeration	2	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.																														
enumeration	3	An area within which fishing is not permitted.																														
enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.																														
enumeration	5	An area within which trawling is not permitted.																														
enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.																														
enumeration	7	An area within which navigation and/or anchoring is prohibited.																														
enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.																														
enumeration	9	An area within which dredging is not permitted.																														
enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.																														

enumeration	11	An area within which diving is not permitted.
enumeration	12	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.
enumeration	13	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.
enumeration	14	An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.
enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.
enumeration	16	An area within which discharging or dumping is prohibited.
enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.
enumeration	18	An area within which industrial or mineral exploration and development are prohibited.
enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.
enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.
enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.
enumeration	22	An area within which the removal of historical artefacts is prohibited.
enumeration	23	An area in which cargo transhipment (lightening) is prohibited.
enumeration	24	An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	25	An area in which a vessel is prohibited from stopping.
enumeration	26	An area in which landing is prohibited.
enumeration	27	An area within which speed is restricted.
enumeration	38	The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	39	An area in which swimming is prohibited.
enumeration	40	An area within which the emission of SOx is restricted.
enumeration	41	An area within which the emission of NOx is restricted.
enumeration	42	An area within which any vessel propelled by machinery is prohibited.
Used by	Attribute	restrictionType/@code

### Simple Type MarineProtectedArea\_restrictionLabel

Namespace	http://www.ihc.int/S122/2.0
Annotations	Custom enum: MarineProtectedArea/restriction
Diagram	<p>Custom enum: MarineProtectedArea/restriction</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string
Facets	enumeration Anchoring Prohibited

	enumeration	Anchoring Restricted
	enumeration	Fishing Prohibited
	enumeration	Fishing Restricted
	enumeration	Trawling Prohibited
	enumeration	Trawling Restricted
	enumeration	Entry Prohibited
	enumeration	Entry Restricted
	enumeration	Dredging Prohibited
	enumeration	Dredging Restricted
	enumeration	Diving Prohibited
	enumeration	Diving Restricted
	enumeration	No Wake
	enumeration	Area To Be Avoided
	enumeration	Construction Prohibited
	enumeration	Discharging Prohibited
	enumeration	Discharging Restricted
	enumeration	Industrial or Mineral Exploration/Development Prohibited
	enumeration	Industrial or Mineral Exploration/Development Restricted
	enumeration	Drilling Prohibited
	enumeration	Drilling Restricted
	enumeration	Removal of Historical Artefacts Prohibited
	enumeration	Cargo Transhipment (Lightening) Prohibited
	enumeration	Dragging Prohibited
	enumeration	Stopping Prohibited
	enumeration	Landing Prohibited
	enumeration	Speed Restricted
	enumeration	Use of Spuds Prohibited
	enumeration	Swimming Prohibited
	enumeration	SOx Emission Restricted
	enumeration	NOx Emission Restricted
	enumeration	Power-Driven Vessels Prohibited
Used by	Complex Type	MarineProtectedArea_restrictionType

### Simple Type MarineProtectedArea\_restrictionCode

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: MarineProtectedArea/restriction	
Diagram	<pre> classDiagram     class MarineProtectedArea_restrictionCode {         &lt;&lt;Custom enum: MarineProtectedArea/restriction&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     MarineProtectedArea_restrictionCode "1" -- "0..1" xs_integer   </pre>	
Type	restriction of xs:integer	
Facets	enumeration	1 An area within which anchoring is not permitted.
	enumeration	2 A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.
	enumeration	3 An area within which fishing is not permitted.

enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.
enumeration	5	An area within which trawling is not permitted.
enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.
enumeration	7	An area within which navigation and/or anchoring is prohibited.
enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.
enumeration	9	An area within which dredging is not permitted.
enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.
enumeration	11	An area within which diving is not permitted.
enumeration	12	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.
enumeration	13	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.
enumeration	14	An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.
enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.
enumeration	16	An area within which discharging or dumping is prohibited.
enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.
enumeration	18	An area within which industrial or mineral exploration and development are prohibited.
enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.
enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.
enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.
enumeration	22	An area within which the removal of historical artefacts is prohibited.
enumeration	23	An area in which cargo transhipment (lightening) is prohibited.
enumeration	24	An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	25	An area in which a vessel is prohibited from stopping.
enumeration	26	An area in which landing is prohibited.
enumeration	27	An area within which speed is restricted.
enumeration	38	The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	39	An area in which swimming is prohibited.
enumeration	40	An area within which the emission of SOx is restricted.
enumeration	41	An area within which the emission of NOx is restricted.

	enumeration	42	An area within which any vessel propelled by machinery is prohibited.
Used by	Attribute	MarineProtectedArea_restrictionType/@code	

### Simple Type RestrictedArea\_restrictionLabel

Namespace	http://www.ihc.int/S122/2.0																																																																		
Annotations	Custom enum: RestrictedArea/restriction																																																																		
Diagram	<pre> classDiagram     class RestrictedArea_restrictionLabel {         &lt;&lt;Custom enum: RestrictedArea/restriction&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     RestrictedArea_restrictionLabel &lt; -- xs_string   </pre>																																																																		
Type	restriction of xs:string																																																																		
Facets	<table border="1"> <tr><td>enumeration</td><td>Anchoring Prohibited</td></tr> <tr><td>enumeration</td><td>Anchoring Restricted</td></tr> <tr><td>enumeration</td><td>Fishing Prohibited</td></tr> <tr><td>enumeration</td><td>Fishing Restricted</td></tr> <tr><td>enumeration</td><td>Trawling Prohibited</td></tr> <tr><td>enumeration</td><td>Trawling Restricted</td></tr> <tr><td>enumeration</td><td>Entry Prohibited</td></tr> <tr><td>enumeration</td><td>Entry Restricted</td></tr> <tr><td>enumeration</td><td>Dredging Prohibited</td></tr> <tr><td>enumeration</td><td>Dredging Restricted</td></tr> <tr><td>enumeration</td><td>Diving Prohibited</td></tr> <tr><td>enumeration</td><td>Diving Restricted</td></tr> <tr><td>enumeration</td><td>No Wake</td></tr> <tr><td>enumeration</td><td>Area To Be Avoided</td></tr> <tr><td>enumeration</td><td>Construction Prohibited</td></tr> <tr><td>enumeration</td><td>Discharging Prohibited</td></tr> <tr><td>enumeration</td><td>Discharging Restricted</td></tr> <tr><td>enumeration</td><td>Industrial or Mineral Exploration/Development Prohibited</td></tr> <tr><td>enumeration</td><td>Industrial or Mineral Exploration/Development Restricted</td></tr> <tr><td>enumeration</td><td>Drilling Prohibited</td></tr> <tr><td>enumeration</td><td>Drilling Restricted</td></tr> <tr><td>enumeration</td><td>Removal of Historical Artefacts Prohibited</td></tr> <tr><td>enumeration</td><td>Cargo Transhipment (Lightening) Prohibited</td></tr> <tr><td>enumeration</td><td>Dragging Prohibited</td></tr> <tr><td>enumeration</td><td>Stopping Prohibited</td></tr> <tr><td>enumeration</td><td>Landing Prohibited</td></tr> <tr><td>enumeration</td><td>Speed Restricted</td></tr> <tr><td>enumeration</td><td>Use of Spuds Prohibited</td></tr> <tr><td>enumeration</td><td>Swimming Prohibited</td></tr> <tr><td>enumeration</td><td>SOx Emission Restricted</td></tr> <tr><td>enumeration</td><td>NOx Emission Restricted</td></tr> <tr><td>enumeration</td><td>Power-Driven Vessels Prohibited</td></tr> </table>			enumeration	Anchoring Prohibited	enumeration	Anchoring Restricted	enumeration	Fishing Prohibited	enumeration	Fishing Restricted	enumeration	Trawling Prohibited	enumeration	Trawling Restricted	enumeration	Entry Prohibited	enumeration	Entry Restricted	enumeration	Dredging Prohibited	enumeration	Dredging Restricted	enumeration	Diving Prohibited	enumeration	Diving Restricted	enumeration	No Wake	enumeration	Area To Be Avoided	enumeration	Construction Prohibited	enumeration	Discharging Prohibited	enumeration	Discharging Restricted	enumeration	Industrial or Mineral Exploration/Development Prohibited	enumeration	Industrial or Mineral Exploration/Development Restricted	enumeration	Drilling Prohibited	enumeration	Drilling Restricted	enumeration	Removal of Historical Artefacts Prohibited	enumeration	Cargo Transhipment (Lightening) Prohibited	enumeration	Dragging Prohibited	enumeration	Stopping Prohibited	enumeration	Landing Prohibited	enumeration	Speed Restricted	enumeration	Use of Spuds Prohibited	enumeration	Swimming Prohibited	enumeration	SOx Emission Restricted	enumeration	NOx Emission Restricted	enumeration	Power-Driven Vessels Prohibited
enumeration	Anchoring Prohibited																																																																		
enumeration	Anchoring Restricted																																																																		
enumeration	Fishing Prohibited																																																																		
enumeration	Fishing Restricted																																																																		
enumeration	Trawling Prohibited																																																																		
enumeration	Trawling Restricted																																																																		
enumeration	Entry Prohibited																																																																		
enumeration	Entry Restricted																																																																		
enumeration	Dredging Prohibited																																																																		
enumeration	Dredging Restricted																																																																		
enumeration	Diving Prohibited																																																																		
enumeration	Diving Restricted																																																																		
enumeration	No Wake																																																																		
enumeration	Area To Be Avoided																																																																		
enumeration	Construction Prohibited																																																																		
enumeration	Discharging Prohibited																																																																		
enumeration	Discharging Restricted																																																																		
enumeration	Industrial or Mineral Exploration/Development Prohibited																																																																		
enumeration	Industrial or Mineral Exploration/Development Restricted																																																																		
enumeration	Drilling Prohibited																																																																		
enumeration	Drilling Restricted																																																																		
enumeration	Removal of Historical Artefacts Prohibited																																																																		
enumeration	Cargo Transhipment (Lightening) Prohibited																																																																		
enumeration	Dragging Prohibited																																																																		
enumeration	Stopping Prohibited																																																																		
enumeration	Landing Prohibited																																																																		
enumeration	Speed Restricted																																																																		
enumeration	Use of Spuds Prohibited																																																																		
enumeration	Swimming Prohibited																																																																		
enumeration	SOx Emission Restricted																																																																		
enumeration	NOx Emission Restricted																																																																		
enumeration	Power-Driven Vessels Prohibited																																																																		
Used by	Complex Type	RestrictedArea_restrictionType																																																																	

## Simple Type RestrictedArea\_restrictionCode

Namespace	http://www.ihc.int/S122/2.0																																																																			
Annotations	Custom enum: RestrictedArea/restriction																																																																			
Diagram	<pre> classDiagram     class RestrictedArea_restrictionCode     class xs_integer     RestrictedArea_restrictionCode &lt; -- xs_integer     note over RestrictedArea_restrictionCode: Custom enum: RestrictedArea/restriction     note over xs_integer: Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...   </pre>																																																																			
Type	restriction of xs:integer																																																																			
Facets	<table border="1"> <tr> <td>enumeration</td><td>1</td><td>An area within which anchoring is not permitted.</td></tr> <tr> <td>enumeration</td><td>2</td><td>A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>3</td><td>An area within which fishing is not permitted.</td></tr> <tr> <td>enumeration</td><td>4</td><td>A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>5</td><td>An area within which trawling is not permitted.</td></tr> <tr> <td>enumeration</td><td>6</td><td>A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>7</td><td>An area within which navigation and/or anchoring is prohibited.</td></tr> <tr> <td>enumeration</td><td>8</td><td>A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>9</td><td>An area within which dredging is not permitted.</td></tr> <tr> <td>enumeration</td><td>10</td><td>A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>11</td><td>An area within which diving is not permitted.</td></tr> <tr> <td>enumeration</td><td>12</td><td>A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>13</td><td>Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.</td></tr> <tr> <td>enumeration</td><td>14</td><td>An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.</td></tr> <tr> <td>enumeration</td><td>15</td><td>The erection of permanent or temporary fixed structures or artificial islands is prohibited.</td></tr> <tr> <td>enumeration</td><td>16</td><td>An area within which discharging or dumping is prohibited.</td></tr> <tr> <td>enumeration</td><td>17</td><td>A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.</td></tr> <tr> <td>enumeration</td><td>18</td><td>An area within which industrial or mineral exploration and development are prohibited.</td></tr> <tr> <td>enumeration</td><td>19</td><td>A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>20</td><td>An area within which excavating a hole on the sea-bottom with a drill is prohibited.</td></tr> <tr> <td>enumeration</td><td>21</td><td>A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.</td></tr> <tr> <td>enumeration</td><td>22</td><td>An area within which the removal of historical artefacts is prohibited.</td></tr> </table>		enumeration	1	An area within which anchoring is not permitted.	enumeration	2	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.	enumeration	3	An area within which fishing is not permitted.	enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.	enumeration	5	An area within which trawling is not permitted.	enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.	enumeration	7	An area within which navigation and/or anchoring is prohibited.	enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.	enumeration	9	An area within which dredging is not permitted.	enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.	enumeration	11	An area within which diving is not permitted.	enumeration	12	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.	enumeration	13	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.	enumeration	14	An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.	enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.	enumeration	16	An area within which discharging or dumping is prohibited.	enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.	enumeration	18	An area within which industrial or mineral exploration and development are prohibited.	enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.	enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.	enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.	enumeration	22	An area within which the removal of historical artefacts is prohibited.
enumeration	1	An area within which anchoring is not permitted.																																																																		
enumeration	2	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.																																																																		
enumeration	3	An area within which fishing is not permitted.																																																																		
enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.																																																																		
enumeration	5	An area within which trawling is not permitted.																																																																		
enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.																																																																		
enumeration	7	An area within which navigation and/or anchoring is prohibited.																																																																		
enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.																																																																		
enumeration	9	An area within which dredging is not permitted.																																																																		
enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.																																																																		
enumeration	11	An area within which diving is not permitted.																																																																		
enumeration	12	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.																																																																		
enumeration	13	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.																																																																		
enumeration	14	An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.																																																																		
enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.																																																																		
enumeration	16	An area within which discharging or dumping is prohibited.																																																																		
enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.																																																																		
enumeration	18	An area within which industrial or mineral exploration and development are prohibited.																																																																		
enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.																																																																		
enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.																																																																		
enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.																																																																		
enumeration	22	An area within which the removal of historical artefacts is prohibited.																																																																		

enumeration	23	An area in which cargo transhipment (lightening) is prohibited.
enumeration	24	An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	25	An area in which a vessel is prohibited from stopping.
enumeration	26	An area in which landing is prohibited.
enumeration	27	An area within which speed is restricted.
enumeration	38	The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	39	An area in which swimming is prohibited.
enumeration	40	An area within which the emission of SOx is restricted.
enumeration	41	An area within which the emission of NOx is restricted.
enumeration	42	An area within which any vessel propelled by machinery is prohibited.
Used by	Attribute	RestrictedArea_restrictionType/@code

### Simple Type scaleMinimumType

Namespace	http://www.ihc.int/S122/2.0	
Annotations	The minimum scale at which the feature may be used for example for ECDIS presentation.	
Diagram	<pre> classDiagram     class scaleMinimumType {         &lt;&lt;The minimum scale at which the feature may be used for example for ECDIS presentation.&gt;&gt;     }     class xs_integer {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     scaleMinimumType &lt; -- xs_integer   </pre>	
Type	xs:integer	
Used by	Element	TextPlacementType/scaleMinimum

### Simple Type sourceType

Namespace	http://www.ihc.int/S122/2.0	
Annotations	The publication, document, or reference work from which information comes or is acquired.	
Diagram	<pre> classDiagram     class sourceType {         &lt;&lt;The publication, document, or reference work from which information comes or is acquired.&gt;&gt;     }     class xs_string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     sourceType &lt; -- xs_string   </pre>	
Type	xs:string	
Used by	Element	sourceIndicationType/source

### Simple Type sourceDateType

Namespace	http://www.ihc.int/S122/2.0	
Annotations	The production date of the source; for example the date of measurement.	
Diagram	<pre> classDiagram     class sourceDateType {         &lt;&lt;The production date of the source; for example the date of measurement.&gt;&gt;     }     class xs_date {         &lt;&lt;Built-in primitive type. The date datatype represents a calendar date.&gt;&gt;     }     sourceDateType &lt; -- xs_date   </pre>	
Type	xs:date	
Used by	Element	graphicType/sourceDate

### Simple Type sourceTypeLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Type of the source.	

Diagram	<p>Type of the source.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Law or Regulation	1: Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	Official Publication	2: Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	Mariner Report, Confirmed	7: Reported by mariner(s) and confirmed by another source.
	enumeration	Mariner Report, Not Confirmed	8: Reported by mariner(s) but not confirmed.
	enumeration	Industry Publications and Reports	9: Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	Remotely Sensed Images	10: Information obtained from satellite images.
	enumeration	Photographs	11: Information obtained from photographs.
	enumeration	Products Issued by HO Services	12: Information obtained from products issued by Hydrographic Offices.
	enumeration	News Media	13: Information obtained from news media.
	enumeration	Traffic Data	14: Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceTypeType	

### Simple Type sourceTypeCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Type of the source.		
Diagram	<p>Type of the source.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	7	Reported by mariner(s) and confirmed by another source.
	enumeration	8	Reported by mariner(s) but not confirmed.
	enumeration	9	Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Attribute	sourceTypeType/@code	

### Simple Type sourceIndication\_sourceTypeLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Restricted values of sourceIndication/sourceType	

Diagram	<p><code>sourceIndication_sourceTypeLabel</code></p> <p>xs:string</p> <p>Restricted values of sourceIndication/sourceType</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Law or Regulation
	enumeration	Official Publication
	enumeration	Mariner Report, Confirmed
	enumeration	Mariner Report, Not Confirmed
	enumeration	Industry Publications and Reports
	enumeration	Remotely Sensed Images
	enumeration	Photographs
	enumeration	Products Issued by HO Services
	enumeration	News Media
	enumeration	Traffic Data
Used by	Complex Type	sourceIndication_sourceTypeType

### Simple Type sourceIndication\_sourceTypeCode

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Restricted values of sourceIndication/sourceType		
Diagram	<p><code>sourceIndication_sourceTypeCode</code></p> <p>xs:integer</p> <p>Restricted values of sourceIndication/sourceType</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	7	Reported by mariner(s) and confirmed by another source.
	enumeration	8	Reported by mariner(s) but not confirmed.
	enumeration	9	Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Attribute	sourceIndication_sourceTypeType/@code	

### Simple Type statusLabel

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	The condition of an object at a given instant in time.		
Diagram	<p><code>statusLabel</code></p> <p>xs:string</p> <p>The condition of an object at a given instant in time.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		

Facets	enumeration	Permanent	1: Intended to last or function indefinitely.
	enumeration	Occasional	2: Acting on special occasions; happening irregularly.
	enumeration	Recommended	3: Presented as worthy of confidence, acceptance, use, etc.
	enumeration	Not in Use	4: Use has ceased, but the facility still exists intact; disused.
	enumeration	Periodic/Intermittent	5: Recurring at intervals.
	enumeration	Reserved	6: Set apart for some specific use.
	enumeration	Temporary	7: Meant to last only for a time.
	enumeration	Mandatory	9: Compulsory; enforced.
	enumeration	Historic	13: Famous in history; of historical interest.
	enumeration	Public	14: Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	Existence Doubtful	18: A feature that has been reported but has not been definitely determined to exist.
	enumeration	Buoyed	28: Marked by buoys.
Used by	Complex Type	statusType	

### Simple Type statusCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The condition of an object at a given instant in time.		
Diagram	<p>The diagram shows a UML class named "statusCode" with a multiplicity of 0..1. It is connected to another class named "xs:integer" via a directed association. A callout box points to the "statusCode" class with the text: "The condition of an object at a given instant in time." Another callout box points to the association with the text: "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	3	Presented as worthy of confidence, acceptance, use, etc.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	7	Meant to last only for a time.
	enumeration	9	Compulsory; enforced.
	enumeration	13	Famous in history; of historical interest.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	18	A feature that has been reported but has not been definitely determined to exist.
	enumeration	28	Marked by buoys.
Used by	Attribute	statusType/@code	

### Simple Type MarineProtectedAreaStatusLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/status		
Diagram	<p>The diagram shows a UML class named "MarineProtectedAreaStatusLabel" with a multiplicity of 0..1. It is connected to another class named "xs:string" via a directed association. A callout box points to the "MarineProtectedAreaStatusLabel" class with the text: "Custom enum: MarineProtectedArea/status". Another callout box points to the association with the text: "Built-in primitive type. The string datatype represents character strings in XML."</p>		
Type	restriction of xs:string		

Facets	enumeration	Permanent
	enumeration	Occasional
	enumeration	Recommended
	enumeration	Not in Use
	enumeration	Periodic/Intermittent
	enumeration	Reserved
	enumeration	Temporary
	enumeration	Mandatory
	enumeration	Existence Doubtful
	enumeration	Buoyed
	enumeration	Historic
	enumeration	Public
Used by	Complex Type	MarineProtectedArea_statusType

### Simple Type MarineProtectedArea\_statusCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/status		
Diagram	<p>The diagram shows a UML class named 'MarineProtectedArea_statusCode' with a generalization arrow pointing to the built-in type 'xs:integer'. A callout box indicates that it is a 'Custom enum: MarineProtectedArea/status'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	3	Presented as worthy of confidence, acceptance, use, etc.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	7	Meant to last only for a time.
	enumeration	9	Compulsory; enforced.
	enumeration	18	A feature that has been reported but has not been definitely determined to exist.
	enumeration	28	Marked by buoys.
	enumeration	13	Famous in history; of historical interest.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	Used by	Attribute	MarineProtectedArea_statusType/@code

### Simple Type RestrictedAreaStatusLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: RestrictedArea/status	
Diagram	<p>The diagram shows a UML class named 'RestrictedAreaStatusLabel' with a generalization arrow pointing to the built-in type 'xs:string'. A callout box indicates that it is a 'Custom enum: RestrictedArea/status'.</p>	
Type	restriction of xs:string	
Facets	enumeration	Permanent
	enumeration	Occasional
	enumeration	Recommended

	enumeration	Not in Use
	enumeration	Periodic/Intermittent
	enumeration	Reserved
	enumeration	Temporary
	enumeration	Mandatory
	enumeration	Existence Doubtful
	enumeration	Buoyed
	enumeration	Historic
	enumeration	Public
Used by	Complex Type	RestrictedArea_statusType

### Simple Type RestrictedArea\_statusCode

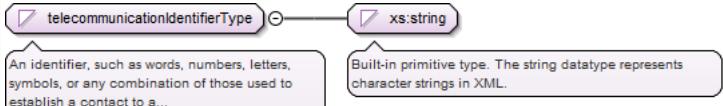
Namespace	http://www.aho.int/S122/2.0	
Annotations	Custom enum: RestrictedArea/status	
Diagram	<p>Custom enum: RestrictedArea/status</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1 Intended to last or function indefinitely.
	enumeration	2 Acting on special occasions; happening irregularly.
	enumeration	3 Presented as worthy of confidence, acceptance, use, etc.
	enumeration	4 Use has ceased, but the facility still exists intact; disused.
	enumeration	5 Recurring at intervals.
	enumeration	6 Set apart for some specific use.
	enumeration	7 Meant to last only for a time.
	enumeration	9 Compulsory; enforced.
	enumeration	18 A feature that has been reported but has not been definitely determined to exist.
	enumeration	28 Marked by buoys.
	enumeration	13 Famous in history; of historical interest.
	enumeration	14 Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
Used by	Attribute	RestrictedArea_statusType/@code

### Simple Type telecommunicationCarrierType

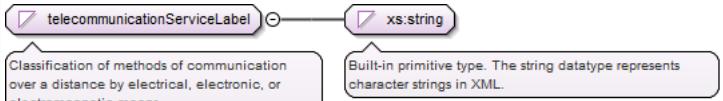
Namespace	http://www.aho.int/S122/2.0	
Annotations	The name of a provider or type of carrier for a telecommunication service. This service may include land line based, shore based or satellite based radio connections.	
Diagram	<p>The name of a provider or type of carrier for a telecommunication service. This service may include land line based,...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element	telecommunicationsType/telecommunicationCarrier

### Simple Type telecommunicationIdentifierType

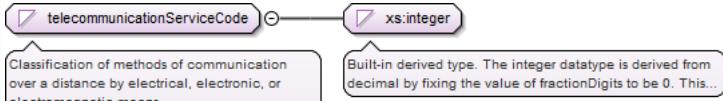
Namespace	http://www.aho.int/S122/2.0	
Annotations	An identifier, such as words, numbers, letters, symbols, or any combination of those used to establish a contact to a particular person, organisation or service.	

Diagram	
Type	xs:string
Used by	Element      telecommunicationsType/telecommunicationIdentifier

### Simple Type telecommunicationServiceLabel

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Voice	1: The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	Facsimile	2: A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	SMS	3: Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	Data	4: A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	Streamed Data	5: Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	Telex	6: A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	Telegraph	7: An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	Email	8: Messages and other data exchanged between individuals using computers in a network.
Used by	Complex Type	telecommunicationServiceType	

### Simple Type telecommunicationServiceCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2	A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	3	Short Message Service is a form of text messaging communication on phones and mobile phones.

	enumeration	4	A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5	Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6	A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7	An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8	Messages and other data exchanged between individuals using computers in a network.
Used by	Attribute	telecommunicationServiceType/@code	

### Simple Type telecommunications\_telecommunicationServiceLabel

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of telecommunications/telecommunicationService		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Voice	
	enumeration	Fax	
	enumeration	SMS	
	enumeration	Data	
	enumeration	Streamed Data	
	enumeration	Telex	
	enumeration	Telegraph	
	enumeration	Email	
Used by	Complex Type	telecommunications_telecommunicationServiceType	

### Simple Type telecommunications\_telecommunicationServiceCode

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of telecommunications/telecommunicationService		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2	A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	3	Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	4	A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5	Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6	A system of communication in which messages are sent over long distances by using a telephone

		system and are printed by using a special machine (called a teletypewriter).
enumeration	7	An apparatus, system or process for communication at a distance by electric transmission over wire.
enumeration	8	Messages and other data exchanged between individuals using computers in a network.
Used by	Attribute	telecommunications_telecommunicationServiceType/@code

### Simple Type `textType`

Namespace	http://www.ih0.int/S122/2.0	
Annotations	A non-formatted digital text string.	
Diagram		
Type	xs:string	
Used by	Elements	designationType/text, informationType/text, scheduleByDayOfWeekType/text

### Simple Type `textOffsetBearingType`

Namespace	http://www.ih0.int/S122/2.0	
Annotations	The angular distance measured from true north that text associated with a feature is positioned from the feature in an end-user system.	
Diagram		
Type	restriction of xs:integer	
Facets	maxExclusive	360
	minInclusive	0
Used by	Element	TextPlacementType/textOffsetBearing

### Simple Type `textOffsetDistanceType`

Namespace	http://www.ih0.int/S122/2.0	
Annotations	The distance that text associated with a feature is positioned from the feature in an end-user system.	
Diagram		
Type	restriction of xs:integer	
Facets	maxInclusive	50
	minExclusive	0
Used by	Element	TextPlacementType/textOffsetDistance

### Simple Type `textRotationType`

Namespace	http://www.ih0.int/S122/2.0	
Annotations	A statement that expresses if text associated with a feature is to be rotated in the ECDIS display or not.	
Diagram		

Type	xs:boolean	
Used by	Element	TextPlacementType/textRotation

### Simple Type textTypeLabel

Namespace	http://www.aho.int/S122/2.0	
Annotations	The attribute from which a text string is derived.	
Diagram	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">textTypeLabel</div> <span style="font-size: 2em;">○</span> <div style="border: 1px solid black; padding: 2px; margin-left: 10px;">xs:string</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">The attribute from which a text string is derived.</div> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">Built-in primitive type. The string datatype represents character strings in XML.</div> </div>	
Type	restriction of xs:string	
Facets	enumeration	Name 1: The individual name of a feature.
Used by	Complex Type	textTypeType

### Simple Type textTypeCode

Namespace	http://www.aho.int/S122/2.0	
Annotations	The attribute from which a text string is derived.	
Diagram	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">textTypeCode</div> <span style="font-size: 2em;">○</span> <div style="border: 1px solid black; padding: 2px; margin-left: 10px;">xs:integer</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">The attribute from which a text string is derived.</div> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</div> </div>	
Type	restriction of xs:integer	
Facets	enumeration	1 The individual name of a feature.
Used by	Attribute	textTypeType/@code

### Simple Type TextPlacement\_textTypeLabel

Namespace	http://www.aho.int/S122/2.0	
Annotations	Custom enum: TextPlacement/textType	
Diagram	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">TextPlacement_textTypeLabel</div> <span style="font-size: 2em;">○</span> <div style="border: 1px solid black; padding: 2px; margin-left: 10px;">xs:string</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">Custom enum: TextPlacement/textType</div> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">Built-in primitive type. The string datatype represents character strings in XML.</div> </div>	
Type	restriction of xs:string	
Facets	enumeration	Name
Used by	Complex Type	TextPlacement_textTypeType

### Simple Type TextPlacement\_textTypeCode

Namespace	http://www.aho.int/S122/2.0	
Annotations	Custom enum: TextPlacement/textType	
Diagram	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">TextPlacement_textTypeCode</div> <span style="font-size: 2em;">○</span> <div style="border: 1px solid black; padding: 2px; margin-left: 10px;">xs:integer</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">Custom enum: TextPlacement/textType</div> <div style="border: 1px solid black; padding: 2px; border-radius: 10px; width: fit-content;">Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</div> </div>	
Type	restriction of xs:integer	
Facets	enumeration	1 The individual name of a feature.
Used by	Attribute	TextPlacement_textTypeType/@code

### Simple Type thicknessOfIceCapabilityType

Namespace	http://www.aho.int/S122/2.0	
-----------	-----------------------------	--

Annotations	The thickness of ice that the ship can safely transit.
Diagram	
Type	restriction of xs:integer
Facets	minExclusive 0
Used by	Element ApplicabilityType/thicknessOfIceCapability

### Simple Type timeOfDayEndType

Namespace	http://www.aho.int/S122/2.0
Annotations	The time corresponding to the end of an active period.
Diagram	
Type	xs:time
Used by	Element timeIntervalsByDayOfWeekType/timeOfDayEnd

### Simple Type timeOfDayStartType

Namespace	http://www.aho.int/S122/2.0
Annotations	The time corresponding to the start of an active period.
Diagram	
Type	xs:time
Used by	Element timeIntervalsByDayOfWeekType/timeOfDayStart

### Simple Type uncertaintyFixedType

Namespace	http://www.aho.int/S122/2.0
Annotations	The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical distances and vertical clearances.
Diagram	
Type	xs:decimal
Used by	Elements horizontalPositionUncertaintyType/uncertaintyFixed, verticalUncertaintyType/uncertaintyFixed

### Simple Type uncertaintyVariableFactorType

Namespace	http://www.aho.int/S122/2.0
Annotations	The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the variable horizontal or vertical accuracy component for positions, depths, heights, vertical distances and vertical clearances.
Diagram	
Type	xs:decimal
Used by	Elements horizontalPositionUncertaintyType/uncertaintyVariableFactor, verticalUncertaintyType/uncertaintyVariableFactor

## Simple Type vesselPerformanceType

Namespace	http://www.ihc.int/S122/2.0
Annotations	A description of the required handling characteristics of a vessel including hull design, main and auxiliary machinery, cargo handling equipment, navigation equipment and manoeuvring behaviour.
Diagram	<pre> classDiagram     class vesselPerformanceType     class xsString     vesselPerformanceType "0..1" -- "1" xsString     </pre> <p>A description of the required handling characteristics of a vessel including hull design, main and auxiliary machinery....</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element      ApplicabilityType/vesselPerformance

## Simple Type vesselsCharacteristicsLabel

Namespace	http://www.ihc.int/S122/2.0																																	
Annotations	Characteristics of vessels.																																	
Diagram	<pre> classDiagram     class vesselsCharacteristicsLabel     class xsString     vesselsCharacteristicsLabel "0..1" -- "1" xsString     </pre> <p>Characteristics of vessels.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																																	
Type	restriction of xs:string																																	
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Length Overall</td> <td>1: The maximum length of the ship.</td> </tr> <tr> <td>enumeration</td> <td>Length at Waterline</td> <td>2: The ship's length measured at the waterline.</td> </tr> <tr> <td>enumeration</td> <td>Breadth</td> <td>3: The width or beam of the vessel.</td> </tr> <tr> <td>enumeration</td> <td>Draught</td> <td>4: The depth of water necessary to float a vessel fully loaded.</td> </tr> <tr> <td>enumeration</td> <td>Displacement Tonnage</td> <td>6: A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.</td> </tr> <tr> <td>enumeration</td> <td>Displacement Tonnage, Light</td> <td>7: The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.</td> </tr> <tr> <td>enumeration</td> <td>Displacement Tonnage, Loaded</td> <td>8: The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.</td> </tr> <tr> <td>enumeration</td> <td>Deadweight Tonnage</td> <td>9: The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.</td> </tr> <tr> <td>enumeration</td> <td>Gross Tonnage</td> <td>10: The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.</td> </tr> <tr> <td>enumeration</td> <td>Net Tonnage</td> <td>11: Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.</td> </tr> <tr> <td>enumeration</td> <td>Panama Canal/Universal Measurement System Net Tonnage</td> <td>12: The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.</td> </tr> </table>	enumeration	Length Overall	1: The maximum length of the ship.	enumeration	Length at Waterline	2: The ship's length measured at the waterline.	enumeration	Breadth	3: The width or beam of the vessel.	enumeration	Draught	4: The depth of water necessary to float a vessel fully loaded.	enumeration	Displacement Tonnage	6: A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.	enumeration	Displacement Tonnage, Light	7: The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.	enumeration	Displacement Tonnage, Loaded	8: The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.	enumeration	Deadweight Tonnage	9: The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.	enumeration	Gross Tonnage	10: The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.	enumeration	Net Tonnage	11: Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.	enumeration	Panama Canal/Universal Measurement System Net Tonnage	12: The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
enumeration	Length Overall	1: The maximum length of the ship.																																
enumeration	Length at Waterline	2: The ship's length measured at the waterline.																																
enumeration	Breadth	3: The width or beam of the vessel.																																
enumeration	Draught	4: The depth of water necessary to float a vessel fully loaded.																																
enumeration	Displacement Tonnage	6: A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.																																
enumeration	Displacement Tonnage, Light	7: The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.																																
enumeration	Displacement Tonnage, Loaded	8: The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.																																
enumeration	Deadweight Tonnage	9: The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.																																
enumeration	Gross Tonnage	10: The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.																																
enumeration	Net Tonnage	11: Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.																																
enumeration	Panama Canal/Universal Measurement System Net Tonnage	12: The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.																																

	enumeration	Suez Canal Net Tonnage	13: The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsType	

## Simple Type vesselsCharacteristicsCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Characteristics of vessels.		
Diagram	<p>The diagram shows a UML class named "vesselsCharacteristicsCode" with a generalization relationship indicated by an arrow pointing to "xs:integer". A callout box below the class name says "Characteristics of vessels.". Another callout box next to the generalization arrow says "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The maximum length of the ship.
	enumeration	2	The ship's length measured at the waterline.
	enumeration	3	The width or beam of the vessel.
	enumeration	4	The depth of water necessary to float a vessel fully loaded.
	enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.
	enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.
	enumeration	8	The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
	enumeration	9	The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
	enumeration	10	The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
	enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
	enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
	enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.

		Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Attribute	vesselsCharacteristicsType/@code

### Simple Type vesselMeasurementsSpecification\_vesselsCharacteristicsLabel

Namespace	http://www.ihc.int/S122/2.0																									
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics																									
Diagram	<pre> classDiagram     class vesselMeasurementsSpecification_vesselsCharacteristicsLabel {         &lt;&lt;Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     vesselMeasurementsSpecification_vesselsCharacteristicsLabel &lt; -- xsString   </pre>																									
Type	restriction of xs:string																									
Facets	<table> <tr> <td>enumeration</td> <td>Length Overall</td> </tr> <tr> <td>enumeration</td> <td>Length at Waterline</td> </tr> <tr> <td>enumeration</td> <td>Breadth</td> </tr> <tr> <td>enumeration</td> <td>Draught</td> </tr> <tr> <td>enumeration</td> <td>Displacement Tonnage</td> </tr> <tr> <td>enumeration</td> <td>Displacement Tonnage, Light</td> </tr> <tr> <td>enumeration</td> <td>Displacement Tonnage, Loaded</td> </tr> <tr> <td>enumeration</td> <td>Deadweight Tonnage</td> </tr> <tr> <td>enumeration</td> <td>Gross Tonnage</td> </tr> <tr> <td>enumeration</td> <td>Net Tonnage</td> </tr> <tr> <td>enumeration</td> <td>Panama Canal/Universal Measurement System Net Tonnage</td> </tr> <tr> <td>enumeration</td> <td>Suez Canal Net Tonnage</td> </tr> </table>		enumeration	Length Overall	enumeration	Length at Waterline	enumeration	Breadth	enumeration	Draught	enumeration	Displacement Tonnage	enumeration	Displacement Tonnage, Light	enumeration	Displacement Tonnage, Loaded	enumeration	Deadweight Tonnage	enumeration	Gross Tonnage	enumeration	Net Tonnage	enumeration	Panama Canal/Universal Measurement System Net Tonnage	enumeration	Suez Canal Net Tonnage
enumeration	Length Overall																									
enumeration	Length at Waterline																									
enumeration	Breadth																									
enumeration	Draught																									
enumeration	Displacement Tonnage																									
enumeration	Displacement Tonnage, Light																									
enumeration	Displacement Tonnage, Loaded																									
enumeration	Deadweight Tonnage																									
enumeration	Gross Tonnage																									
enumeration	Net Tonnage																									
enumeration	Panama Canal/Universal Measurement System Net Tonnage																									
enumeration	Suez Canal Net Tonnage																									
Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsType																								

### Simple Type vesselMeasurementsSpecification\_vesselsCharacteristicsCode

Namespace	http://www.ihc.int/S122/2.0																			
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics																			
Diagram	<pre> classDiagram     class vesselMeasurementsSpecification_vesselsCharacteristicsCode {         &lt;&lt;Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics&gt;&gt;     }     class xsInteger {         &lt;&lt;Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...&gt;&gt;     }     vesselMeasurementsSpecification_vesselsCharacteristicsCode &lt; -- xsInteger   </pre>																			
Type	restriction of xs:integer																			
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The maximum length of the ship.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The ship's length measured at the waterline.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The width or beam of the vessel.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>The depth of water necessary to float a vessel fully loaded.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.</td> </tr> </table>		enumeration	1	The maximum length of the ship.	enumeration	2	The ship's length measured at the waterline.	enumeration	3	The width or beam of the vessel.	enumeration	4	The depth of water necessary to float a vessel fully loaded.	enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.	enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.
enumeration	1	The maximum length of the ship.																		
enumeration	2	The ship's length measured at the waterline.																		
enumeration	3	The width or beam of the vessel.																		
enumeration	4	The depth of water necessary to float a vessel fully loaded.																		
enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.																		
enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.																		

enumeration	8	The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
enumeration	9	The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
enumeration	10	The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Attribute	vesselMeasurementsSpecification_vesselsCharacteristicsType/@code

### Simple Type vesselsCharacteristicsUnitLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	The unit used for vessel characteristics attribute.	
Diagram	<p>The unit used for vessel characteristics attribute.</p>	
Type	restriction of xs:string	
Facets	enumeration	Metres
	1: The basic unit of length in the International System of Units (SI) system.	
	enumeration	Metric Ton
	3: The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.	
	enumeration	Ton
	4: Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft	

		(1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).
enumeration	Short Ton	5: A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).
enumeration	Gross Ton	6: Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London-Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a function of the moulded volume of all enclosed spaces of the ship.
enumeration	Net Ton	7: Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.
enumeration	Suez Canal Net Tonnage	9: The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsUnitType

### Simple Type vesselsCharacteristicsUnitCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The unit used for vessel characteristics attribute.		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	The basic unit of length in the International System of Units (SI) system.
	enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit

		<p>in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.</p>
enumeration	4	<p>Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m<sup>3</sup>) of salt water with a density of 64 lb/ft<sup>3</sup> (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).</p>
enumeration	5	<p>A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).</p>
enumeration	6	<p>Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a function of the moulded volume of all enclosed spaces of the ship.</p>
enumeration	7	<p>Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.</p>
enumeration	9	<p>The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.</p>
Used by	Attribute	vesselsCharacteristicsUnitType/@code

### Simple Type vesselMeasurementsSpecification\_vesselsCharacteristicsUnitLabel

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit															
Diagram																
Type	restriction of xs:string															
Facets	<table border="1"> <tr><td>enumeration</td><td>Metres</td></tr> <tr><td>enumeration</td><td>Metric Ton</td></tr> <tr><td>enumeration</td><td>Ton</td></tr> <tr><td>enumeration</td><td>Short Ton</td></tr> <tr><td>enumeration</td><td>Gross Ton</td></tr> <tr><td>enumeration</td><td>Net Ton</td></tr> <tr><td>enumeration</td><td>Suez Canal Net Tonnage</td></tr> </table>		enumeration	Metres	enumeration	Metric Ton	enumeration	Ton	enumeration	Short Ton	enumeration	Gross Ton	enumeration	Net Ton	enumeration	Suez Canal Net Tonnage
enumeration	Metres															
enumeration	Metric Ton															
enumeration	Ton															
enumeration	Short Ton															
enumeration	Gross Ton															
enumeration	Net Ton															
enumeration	Suez Canal Net Tonnage															
Used by	Complex Type	vesselMeasurementsSpecification_vesselCharacteristicsUnitType														

### Simple Type vesselMeasurementsSpecification\_vesselCharacteristicsUnitCode

Namespace	http://www.ihc.int/S122/2.0													
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit													
Diagram														
Type	restriction of xs:integer													
Facets	<table border="1"> <tr> <td>enumeration</td><td>1</td><td>The basic unit of length in the International System of Units (SI) system.</td></tr> <tr> <td>enumeration</td><td>3</td><td>The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.</td></tr> <tr> <td>enumeration</td><td>4</td><td>Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).</td></tr> <tr> <td>enumeration</td><td>5</td><td>A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and</td></tr> </table>	enumeration	1	The basic unit of length in the International System of Units (SI) system.	enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.	enumeration	4	Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).	enumeration	5	A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and	
enumeration	1	The basic unit of length in the International System of Units (SI) system.												
enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.												
enumeration	4	Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).												
enumeration	5	A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and												

		short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).
enumeration	6	Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London-Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a function of the moulded volume of all enclosed spaces of the ship.
enumeration	7	Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.
enumeration	9	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Attribute	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType/@code

### Simple Type vesselsCharacteristicsValueType

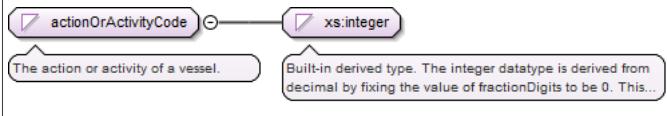
Namespace	http://www.ihc.int/S122/2.0
Annotations	The value of a particular characteristic such as a dimension or tonnage of a vessel.
Diagram	<pre> classDiagram     class vesselsCharacteristicsValueType {         &lt;&lt;The value of a particular characteristic such as a dimension or tonnage of a vessel.&gt;&gt;     }     class xs_decimal {         &lt;&lt;Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.&gt;&gt;     }     vesselsCharacteristicsValueType --&gt; xs_decimal   </pre>
Type	xs:decimal
Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristicsValue

### Simple Type actionOrActivityLabel\_Union

Namespace	http://www.ihc.int/S122/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	<pre> classDiagram     class actionOrActivityLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codelist values.&gt;&gt;     }     class actionOrActivityLabel {         &lt;&lt;The action or activity of a vessel.&gt;&gt;     }     class extraLabelType {         &lt;&lt;Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...&gt;&gt;     }     actionOrActivityLabel_Union --&gt; actionOrActivityLabel     actionOrActivityLabel_Union --&gt; extraLabelType   </pre>
Type	union of(actionOrActivityLabel, extraLabelType)
Used by	Complex Types InformationArea_actionOrActivityType, actionOrActivityType

### Simple Type actionOrActivityCode

Namespace	http://www.ihc.int/S122/2.0
Annotations	The action or activity of a vessel.

Diagram																																																																			
Type	restriction of xs:integer																																																																		
Facets	<table border="1"> <tr> <td>enumeration</td><td>1</td><td>Carrying a qualified pilot as part of the vessel navigation team.</td></tr> <tr> <td>enumeration</td><td>2</td><td>Navigating a vessel into a port.</td></tr> <tr> <td>enumeration</td><td>3</td><td>Navigating a vessel out of a port.</td></tr> <tr> <td>enumeration</td><td>4</td><td>A signal station for the control of vessels when berthing.</td></tr> <tr> <td>enumeration</td><td>5</td><td>Detaching a vessel from a wharf or jetty.</td></tr> <tr> <td>enumeration</td><td>6</td><td>Attaching a vessel to the seabed by means of an anchor and cable.</td></tr> <tr> <td>enumeration</td><td>7</td><td>Detaching a vessel from the seabed by recovering an anchor and cable.</td></tr> <tr> <td>enumeration</td><td>8</td><td>Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.</td></tr> <tr> <td>enumeration</td><td>9</td><td>Navigating a vessel past another traveling broadly in the same direction.</td></tr> <tr> <td>enumeration</td><td>10</td><td>Providing details such as the name, location or intentions of a vessel.</td></tr> <tr> <td>enumeration</td><td>11</td><td>Loading or unloading cargo.</td></tr> <tr> <td>enumeration</td><td>12</td><td>Placing crew or passengers on shore.</td></tr> <tr> <td>enumeration</td><td>13</td><td>A signal or message warning of diving activity.</td></tr> <tr> <td>enumeration</td><td>14</td><td>Hunting or catching fish.</td></tr> <tr> <td>enumeration</td><td>15</td><td>Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.</td></tr> <tr> <td>enumeration</td><td>16</td><td>Navigating a vessel past another travelling broadly in the opposite direction.</td></tr> <tr> <td>enumeration</td><td>17</td><td>Discharge and uptake of ballast water.</td></tr> <tr> <td>enumeration</td><td>18</td><td>The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).</td></tr> <tr> <td>enumeration</td><td>19</td><td>The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.</td></tr> <tr> <td>enumeration</td><td>20</td><td>Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.</td></tr> <tr> <td>enumeration</td><td>21</td><td>Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.</td></tr> <tr> <td>enumeration</td><td>22</td><td>Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.</td></tr> </table>	enumeration	1	Carrying a qualified pilot as part of the vessel navigation team.	enumeration	2	Navigating a vessel into a port.	enumeration	3	Navigating a vessel out of a port.	enumeration	4	A signal station for the control of vessels when berthing.	enumeration	5	Detaching a vessel from a wharf or jetty.	enumeration	6	Attaching a vessel to the seabed by means of an anchor and cable.	enumeration	7	Detaching a vessel from the seabed by recovering an anchor and cable.	enumeration	8	Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.	enumeration	9	Navigating a vessel past another traveling broadly in the same direction.	enumeration	10	Providing details such as the name, location or intentions of a vessel.	enumeration	11	Loading or unloading cargo.	enumeration	12	Placing crew or passengers on shore.	enumeration	13	A signal or message warning of diving activity.	enumeration	14	Hunting or catching fish.	enumeration	15	Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.	enumeration	16	Navigating a vessel past another travelling broadly in the opposite direction.	enumeration	17	Discharge and uptake of ballast water.	enumeration	18	The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).	enumeration	19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.	enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.	enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.	enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
enumeration	1	Carrying a qualified pilot as part of the vessel navigation team.																																																																	
enumeration	2	Navigating a vessel into a port.																																																																	
enumeration	3	Navigating a vessel out of a port.																																																																	
enumeration	4	A signal station for the control of vessels when berthing.																																																																	
enumeration	5	Detaching a vessel from a wharf or jetty.																																																																	
enumeration	6	Attaching a vessel to the seabed by means of an anchor and cable.																																																																	
enumeration	7	Detaching a vessel from the seabed by recovering an anchor and cable.																																																																	
enumeration	8	Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.																																																																	
enumeration	9	Navigating a vessel past another traveling broadly in the same direction.																																																																	
enumeration	10	Providing details such as the name, location or intentions of a vessel.																																																																	
enumeration	11	Loading or unloading cargo.																																																																	
enumeration	12	Placing crew or passengers on shore.																																																																	
enumeration	13	A signal or message warning of diving activity.																																																																	
enumeration	14	Hunting or catching fish.																																																																	
enumeration	15	Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.																																																																	
enumeration	16	Navigating a vessel past another travelling broadly in the opposite direction.																																																																	
enumeration	17	Discharge and uptake of ballast water.																																																																	
enumeration	18	The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).																																																																	
enumeration	19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.																																																																	
enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.																																																																	
enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.																																																																	
enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.																																																																	

Used by	Attribute	actionOrActivityType/@code																																																															
<b>Simple Type actionOrActivityLabel</b>																																																																	
Namespace	http://www.ihc.int/S122/2.0																																																																
Annotations	The action or activity of a vessel.																																																																
Diagram	<pre> classDiagram     class actionOrActivityLabel {         xs:string     }     actionOrActivityLabel "1" -- "1" xs:string     note over xs:string: Built-in primitive type. The string datatype represents character strings in XML.   </pre>																																																																
Type	restriction of xs:string																																																																
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Navigating With a Pilot</td> <td>1: Carrying a qualified pilot as part of the vessel navigation team.</td> </tr> <tr> <td>enumeration</td> <td>Entering Port</td> <td>2: Navigating a vessel into a port.</td> </tr> <tr> <td>enumeration</td> <td>Leaving Port</td> <td>3: Navigating a vessel out of a port.</td> </tr> <tr> <td>enumeration</td> <td>Berthing</td> <td>4: A signal station for the control of vessels when berthing.</td> </tr> <tr> <td>enumeration</td> <td>Slipping</td> <td>5: Detaching a vessel from a wharf or jetty.</td> </tr> <tr> <td>enumeration</td> <td>Anchoring</td> <td>6: Attaching a vessel to the seabed by means of an anchor and cable.</td> </tr> <tr> <td>enumeration</td> <td>Weighing Anchor</td> <td>7: Detaching a vessel from the seabed by recovering an anchor and cable.</td> </tr> <tr> <td>enumeration</td> <td>Transiting</td> <td>8: Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.</td> </tr> <tr> <td>enumeration</td> <td>Overtaking</td> <td>9: Navigating a vessel past another traveling broadly in the same direction.</td> </tr> <tr> <td>enumeration</td> <td>Reporting</td> <td>10: Providing details such as the name, location or intentions of a vessel.</td> </tr> <tr> <td>enumeration</td> <td>Working Cargo</td> <td>11: Loading or unloading cargo.</td> </tr> <tr> <td>enumeration</td> <td>Landing</td> <td>12: Placing crew or passengers on shore.</td> </tr> <tr> <td>enumeration</td> <td>Diving</td> <td>13: A signal or message warning of diving activity.</td> </tr> <tr> <td>enumeration</td> <td>Fishing</td> <td>14: Hunting or catching fish.</td> </tr> <tr> <td>enumeration</td> <td>Discharging Overboard</td> <td>15: Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.</td> </tr> <tr> <td>enumeration</td> <td>Passing</td> <td>16: Navigating a vessel past another travelling broadly in the opposite direction.</td> </tr> <tr> <td>enumeration</td> <td>Ballast Water Exchange</td> <td>17: Discharge and uptake of ballast water.</td> </tr> <tr> <td>enumeration</td> <td>Hull Cleaning</td> <td>18: The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).</td> </tr> <tr> <td>enumeration</td> <td>Scientific Research</td> <td>19: The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.</td> </tr> <tr> <td>enumeration</td> <td>Tourism</td> <td>20: Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.</td> </tr> <tr> <td>enumeration</td> <td>Education</td> <td>21: Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field</td> </tr> </table>		enumeration	Navigating With a Pilot	1: Carrying a qualified pilot as part of the vessel navigation team.	enumeration	Entering Port	2: Navigating a vessel into a port.	enumeration	Leaving Port	3: Navigating a vessel out of a port.	enumeration	Berthing	4: A signal station for the control of vessels when berthing.	enumeration	Slipping	5: Detaching a vessel from a wharf or jetty.	enumeration	Anchoring	6: Attaching a vessel to the seabed by means of an anchor and cable.	enumeration	Weighing Anchor	7: Detaching a vessel from the seabed by recovering an anchor and cable.	enumeration	Transiting	8: Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.	enumeration	Overtaking	9: Navigating a vessel past another traveling broadly in the same direction.	enumeration	Reporting	10: Providing details such as the name, location or intentions of a vessel.	enumeration	Working Cargo	11: Loading or unloading cargo.	enumeration	Landing	12: Placing crew or passengers on shore.	enumeration	Diving	13: A signal or message warning of diving activity.	enumeration	Fishing	14: Hunting or catching fish.	enumeration	Discharging Overboard	15: Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.	enumeration	Passing	16: Navigating a vessel past another travelling broadly in the opposite direction.	enumeration	Ballast Water Exchange	17: Discharge and uptake of ballast water.	enumeration	Hull Cleaning	18: The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).	enumeration	Scientific Research	19: The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.	enumeration	Tourism	20: Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.	enumeration	Education	21: Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field
enumeration	Navigating With a Pilot	1: Carrying a qualified pilot as part of the vessel navigation team.																																																															
enumeration	Entering Port	2: Navigating a vessel into a port.																																																															
enumeration	Leaving Port	3: Navigating a vessel out of a port.																																																															
enumeration	Berthing	4: A signal station for the control of vessels when berthing.																																																															
enumeration	Slipping	5: Detaching a vessel from a wharf or jetty.																																																															
enumeration	Anchoring	6: Attaching a vessel to the seabed by means of an anchor and cable.																																																															
enumeration	Weighing Anchor	7: Detaching a vessel from the seabed by recovering an anchor and cable.																																																															
enumeration	Transiting	8: Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.																																																															
enumeration	Overtaking	9: Navigating a vessel past another traveling broadly in the same direction.																																																															
enumeration	Reporting	10: Providing details such as the name, location or intentions of a vessel.																																																															
enumeration	Working Cargo	11: Loading or unloading cargo.																																																															
enumeration	Landing	12: Placing crew or passengers on shore.																																																															
enumeration	Diving	13: A signal or message warning of diving activity.																																																															
enumeration	Fishing	14: Hunting or catching fish.																																																															
enumeration	Discharging Overboard	15: Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.																																																															
enumeration	Passing	16: Navigating a vessel past another travelling broadly in the opposite direction.																																																															
enumeration	Ballast Water Exchange	17: Discharge and uptake of ballast water.																																																															
enumeration	Hull Cleaning	18: The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).																																																															
enumeration	Scientific Research	19: The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.																																																															
enumeration	Tourism	20: Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.																																																															
enumeration	Education	21: Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field																																																															

		instruction conducted within designated marine areas.
	enumeration	Infrastructure Maintenance  22: Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.

### Simple Type InformationArea\_actionOrActivityCode

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: InformationArea/actionOrActivity	
Diagram		<p>Custom enum: InformationArea/actionOrActivity</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>
Type	restriction of xs:integer	
Facets	enumeration	17 Discharge and uptake of ballast water.
Used by	Attribute	InformationArea_actionOrActivityType/@code

### Simple Type InformationArea\_actionOrActivityLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Custom enum: InformationArea/actionOrActivity	
Diagram		<p>Custom enum: InformationArea/actionOrActivity</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration	Ballast Water Exchange

### Simple Type rxNCode\_actionOrActivityLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Restricted values of rxNCode/actionOrActivity	
Diagram		<p>Restricted values of rxNCode/actionOrActivity</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration	Navigating With a Pilot
	enumeration	Entering Port
	enumeration	Leaving Port
	enumeration	Berthing
	enumeration	Slipping
	enumeration	Anchoring
	enumeration	Weighing Anchor
	enumeration	Transiting
	enumeration	Overtaking
	enumeration	Reporting
	enumeration	Working Cargo
	enumeration	Landing
	enumeration	Diving
	enumeration	Fishing

	enumeration	Discharging Overboard
	enumeration	Passing
	enumeration	Ballast Water Exchange
	enumeration	Hull Cleaning
	enumeration	Scientific Research
	enumeration	Tourism
	enumeration	Education
	enumeration	Infrastructure Maintenance
Used by	Complex Type	rxNCode_actionOrActivityType

### Simple Type rxNCode\_actionOrActivityCode

Namespace	http://www.ihodata.org/S122/2.0	
Annotations	Restricted values of rxNCode/actionOrActivity	
Diagram		
Type	restriction of xs:integer	
Facets	enumeration	1 Carrying a qualified pilot as part of the vessel navigation team.
	enumeration	2 Navigating a vessel into a port.
	enumeration	3 Navigating a vessel out of a port.
	enumeration	4 A signal station for the control of vessels when berthing.
	enumeration	5 Detaching a vessel from a wharf or jetty.
	enumeration	6 Attaching a vessel to the seabed by means of an anchor and cable.
	enumeration	7 Detaching a vessel from the seabed by recovering an anchor and cable.
	enumeration	8 Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.
	enumeration	9 Navigating a vessel past another traveling broadly in the same direction.
	enumeration	10 Providing details such as the name, location or intentions of a vessel.
	enumeration	11 Loading or unloading cargo.
	enumeration	12 Placing crew or passengers on shore.
	enumeration	13 A signal or message warning of diving activity.
	enumeration	14 Hunting or catching fish.
	enumeration	15 Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.
	enumeration	16 Navigating a vessel past another travelling broadly in the opposite direction.
	enumeration	17 Discharge and uptake of ballast water.
	enumeration	18 The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).
	enumeration	19 The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological

		or geological samples, or in-water survey operations.
enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
Used by	Attribute	rxNCode_actionOrActivityType/@code

### Simple Type categoryOfMarineProtectedAreaLabel\_Union

Namespace	http://www.ihc.int/S122/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	<pre> graph LR     U[categoryOfMarineProtectedAreaLabel_Union] --&gt; C[categoryOfMarineProtectedAreaLabel]     U --&gt; E[extraLabelType]     C --- A[Classification of marine protected areas based on IUCN (International Union for Conservation of Nature and Natural...)]     E --- B[Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...]   </pre>
Type	union(categoryOfMarineProtectedAreaLabel, extraLabelType)
Used by	Complex Types MarineProtectedArea_categoryOfMarineProtectedAreaType, categoryOfMarineProtectedAreaType

### Simple Type categoryOfMarineProtectedAreaCode

Namespace	http://www.ihc.int/S122/2.0																					
Annotations	Classification of marine protected areas based on IUCN (International Union for Conservation of Nature and Natural Resources) categories.																					
Diagram	<pre> graph LR     C[categoryOfMarineProtectedAreaCode] --&gt; X[xs:integer]     C --- A[Classification of marine protected areas based on IUCN (International Union for Conservation of Nature and Natural...)]     X --- B[Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...]   </pre>																					
Type	restriction of xs:integer																					
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Strict Nature Reserve: Protected area managed mainly for science.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Wilderness Area: Protected area managed mainly for wilderness protection.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>National Park: Protected area managed mainly for ecosystem protection and recreation.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Natural Monument: Protected area managed mainly for conservation of specific natural features.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.</td> </tr> </table>	enumeration	1	Strict Nature Reserve: Protected area managed mainly for science.	enumeration	2	Wilderness Area: Protected area managed mainly for wilderness protection.	enumeration	3	National Park: Protected area managed mainly for ecosystem protection and recreation.	enumeration	4	Natural Monument: Protected area managed mainly for conservation of specific natural features.	enumeration	5	Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.	enumeration	6	Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.	enumeration	7	Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.
enumeration	1	Strict Nature Reserve: Protected area managed mainly for science.																				
enumeration	2	Wilderness Area: Protected area managed mainly for wilderness protection.																				
enumeration	3	National Park: Protected area managed mainly for ecosystem protection and recreation.																				
enumeration	4	Natural Monument: Protected area managed mainly for conservation of specific natural features.																				
enumeration	5	Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.																				
enumeration	6	Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.																				
enumeration	7	Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.																				
Used by	Attribute categoryOfMarineProtectedAreaType/@code																					

### Simple Type categoryOfMarineProtectedAreaLabel

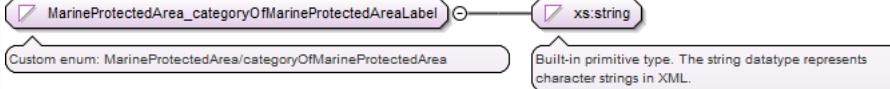
Namespace	http://www.iho.int/S122/2.0		
Annotations	Classification of marine protected areas based on IUCN (International Union for Conservation of Nature and Natural Resources) categories.		
Diagram	<p>The diagram shows a class named 'categoryOfMarineProtectedAreaLabel' connected by a directed association to a type 'xs:string'. A callout box for 'categoryOfMarineProtectedAreaLabel' states: 'Classification of marine protected areas based on IUCN (International Union for Conservation of Nature and Natural...)' and a callout box for 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	IUCN Category Ia	1: Strict Nature Reserve: Protected area managed mainly for science.
	enumeration	IUCN Category Ib	2: Wilderness Area: Protected area managed mainly for wilderness protection.
	enumeration	IUCN Category II	3: National Park: Protected area managed mainly for ecosystem protection and recreation.
	enumeration	IUCN Category III	4: Natural Monument: Protected area managed mainly for conservation of specific natural features.
	enumeration	IUCN Category IV	5: Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.
	enumeration	IUCN Category V	6: Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.
	enumeration	IUCN Category VI	7: Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.

### Simple Type MarineProtectedArea\_categoryOfMarineProtectedAreaCode

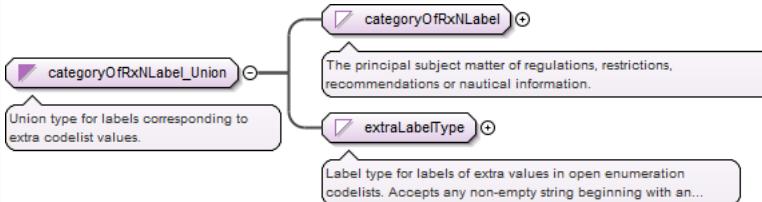
Namespace	http://www.iho.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/categoryOfMarineProtectedArea		
Diagram	<p>The diagram shows a class named 'MarineProtectedArea_categoryOfMarineProtectedAreaCode' connected by a directed association to a type 'xs:integer'. A callout box for 'MarineProtectedArea_categoryOfMarineProtectedAreaCode' states: 'Custom enum: MarineProtectedArea/categoryOfMarineProtectedArea' and a callout box for 'xs:integer' states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Strict Nature Reserve: Protected area managed mainly for science.
	enumeration	2	Wilderness Area: Protected area managed mainly for wilderness protection.
	enumeration	3	National Park: Protected area managed mainly for ecosystem protection and recreation.
	enumeration	4	Natural Monument: Protected area managed mainly for conservation of specific natural features.
	enumeration	5	Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.
	enumeration	6	Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.
	enumeration	7	Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.
Used by	Attribute	MarineProtectedArea_categoryOfMarineProtectedAreaType/@code	

### Simple Type MarineProtectedArea\_categoryOfMarineProtectedAreaLabel

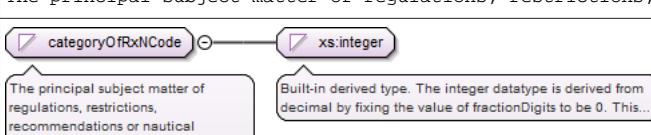
Namespace	http://www.iho.int/S122/2.0		
Annotations	Custom enum: MarineProtectedArea/categoryOfMarineProtectedArea		

Diagram	
Type	restriction of xs:string
Facets	enumeration IUCN Category Ia
	enumeration IUCN Category Ib
	enumeration IUCN Category II
	enumeration IUCN Category III
	enumeration IUCN Category IV
	enumeration IUCN Category V
	enumeration IUCN Category VI

### Simple Type categoryOfRxNLabel\_Union

Namespace	http://www.ihc.int/S122/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	
Type	union of(categoryOfRxNLabel, extraLabelType)
Used by	Complex Type categoryOfRxNType

### Simple Type categoryOfRxNCode

Namespace	http://www.ihc.int/S122/2.0																																	
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.																																	
Diagram																																		
Type	restriction of xs:integer																																	
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The process of directing the movement of a craft from one point to another.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Transmitting and/or receiving electronic communication signals.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Pertaining to environmental protection.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Pertaining to wildlife protection.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Pertaining to security.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>The agency or establishment for collecting duties, tolls.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Pertaining to cargo operations.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Pertaining to a place of safety or refuge.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Pertaining to natural resources or exploitation.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.</td> </tr> </table>	enumeration	1	The process of directing the movement of a craft from one point to another.	enumeration	2	Transmitting and/or receiving electronic communication signals.	enumeration	3	Pertaining to environmental protection.	enumeration	4	Pertaining to wildlife protection.	enumeration	5	Pertaining to security.	enumeration	6	The agency or establishment for collecting duties, tolls.	enumeration	7	Pertaining to cargo operations.	enumeration	8	Pertaining to a place of safety or refuge.	enumeration	9	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.	enumeration	10	Pertaining to natural resources or exploitation.	enumeration	11	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
enumeration	1	The process of directing the movement of a craft from one point to another.																																
enumeration	2	Transmitting and/or receiving electronic communication signals.																																
enumeration	3	Pertaining to environmental protection.																																
enumeration	4	Pertaining to wildlife protection.																																
enumeration	5	Pertaining to security.																																
enumeration	6	The agency or establishment for collecting duties, tolls.																																
enumeration	7	Pertaining to cargo operations.																																
enumeration	8	Pertaining to a place of safety or refuge.																																
enumeration	9	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.																																
enumeration	10	Pertaining to natural resources or exploitation.																																
enumeration	11	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.																																

	enumeration	12	An authority with responsibility for the control and movement of money.
	enumeration	13	The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Attribute	categoryOfRxNType/@code	

### Simple Type categoryOfRxNLabel

Namespace	http://www.ihc.int/S122/2.0																																									
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.																																									
Diagram	<pre> classDiagram     categoryOfRxNLabel &lt; -- xs:string     categoryOfRxNLabel {         "The principal subject matter of regulations, restrictions, recommendations or nautical information."         "Built-in primitive type. The string datatype represents character strings in XML."     }   </pre>																																									
Type	restriction of xs:string																																									
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Navigation</td> <td>1: The process of directing the movement of a craft from one point to another.</td> </tr> <tr> <td>enumeration</td> <td>Communication</td> <td>2: Transmitting and/or receiving electronic communication signals.</td> </tr> <tr> <td>enumeration</td> <td>Environmental Protection</td> <td>3: Pertaining to environmental protection.</td> </tr> <tr> <td>enumeration</td> <td>Wildlife Protection</td> <td>4: Pertaining to wildlife protection.</td> </tr> <tr> <td>enumeration</td> <td>Security</td> <td>5: Pertaining to security.</td> </tr> <tr> <td>enumeration</td> <td>Customs</td> <td>6: The agency or establishment for collecting duties, tolls.</td> </tr> <tr> <td>enumeration</td> <td>Cargo Operation</td> <td>7: Pertaining to cargo operations.</td> </tr> <tr> <td>enumeration</td> <td>Refuge</td> <td>8: Pertaining to a place of safety or refuge.</td> </tr> <tr> <td>enumeration</td> <td>Health</td> <td>9: The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.</td> </tr> <tr> <td>enumeration</td> <td>Natural Resources or Exploitation</td> <td>10: Pertaining to natural resources or exploitation.</td> </tr> <tr> <td>enumeration</td> <td>Port</td> <td>11: Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.</td> </tr> <tr> <td>enumeration</td> <td>Finance</td> <td>12: An authority with responsibility for the control and movement of money.</td> </tr> <tr> <td>enumeration</td> <td>Agriculture</td> <td>13: The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.</td> </tr> </table>			enumeration	Navigation	1: The process of directing the movement of a craft from one point to another.	enumeration	Communication	2: Transmitting and/or receiving electronic communication signals.	enumeration	Environmental Protection	3: Pertaining to environmental protection.	enumeration	Wildlife Protection	4: Pertaining to wildlife protection.	enumeration	Security	5: Pertaining to security.	enumeration	Customs	6: The agency or establishment for collecting duties, tolls.	enumeration	Cargo Operation	7: Pertaining to cargo operations.	enumeration	Refuge	8: Pertaining to a place of safety or refuge.	enumeration	Health	9: The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.	enumeration	Natural Resources or Exploitation	10: Pertaining to natural resources or exploitation.	enumeration	Port	11: Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.	enumeration	Finance	12: An authority with responsibility for the control and movement of money.	enumeration	Agriculture	13: The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
enumeration	Navigation	1: The process of directing the movement of a craft from one point to another.																																								
enumeration	Communication	2: Transmitting and/or receiving electronic communication signals.																																								
enumeration	Environmental Protection	3: Pertaining to environmental protection.																																								
enumeration	Wildlife Protection	4: Pertaining to wildlife protection.																																								
enumeration	Security	5: Pertaining to security.																																								
enumeration	Customs	6: The agency or establishment for collecting duties, tolls.																																								
enumeration	Cargo Operation	7: Pertaining to cargo operations.																																								
enumeration	Refuge	8: Pertaining to a place of safety or refuge.																																								
enumeration	Health	9: The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.																																								
enumeration	Natural Resources or Exploitation	10: Pertaining to natural resources or exploitation.																																								
enumeration	Port	11: Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.																																								
enumeration	Finance	12: An authority with responsibility for the control and movement of money.																																								
enumeration	Agriculture	13: The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.																																								

### Simple Type rxNCode\_categoryOfRxNLabel

Namespace	http://www.ihc.int/S122/2.0																	
Annotations	Restricted values of rxNCode/categoryOfRxN																	
Diagram	<pre> classDiagram     rxNCode_categoryOfRxNLabel &lt; -- xs:string     rxNCode_categoryOfRxNLabel {         "Restricted values of rxNCode/categoryOfRxN"         "Built-in primitive type. The string datatype represents character strings in XML."     }   </pre>																	
Type	restriction of xs:string																	
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Navigation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Communication</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Environmental Protection</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Wildlife Protection</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Security</td> <td></td> </tr> </table>			enumeration	Navigation		enumeration	Communication		enumeration	Environmental Protection		enumeration	Wildlife Protection		enumeration	Security	
enumeration	Navigation																	
enumeration	Communication																	
enumeration	Environmental Protection																	
enumeration	Wildlife Protection																	
enumeration	Security																	

	enumeration	Customs
	enumeration	Cargo Operation
	enumeration	Refuge
	enumeration	Health
	enumeration	Natural Resources or Exploitation
	enumeration	Port
	enumeration	Finance
	enumeration	Agriculture
Used by	Complex Type	rxNCode_categoryOfRxNType

### Simple Type rxNCode\_categoryOfRxNCode

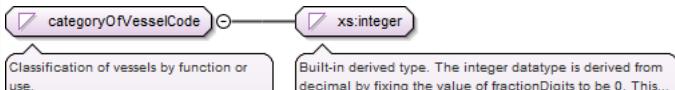
Namespace	http://www.ihc.int/S122/2.0	
Annotations	Restricted values of rxNCode/categoryOfRxN	
Diagram	<p>rxNCode_categoryOfRxNCode → xs:integer</p> <p>Restricted values of rxNCode/categoryOfRxN</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1
		The process of directing the movement of a craft from one point to another.
	enumeration	2
		Transmitting and/or receiving electronic communication signals.
	enumeration	3
		Pertaining to environmental protection.
	enumeration	4
		Pertaining to wildlife protection.
	enumeration	5
		Pertaining to security.
	enumeration	6
		The agency or establishment for collecting duties, tolls.
	enumeration	7
		Pertaining to cargo operations.
	enumeration	8
		Pertaining to a place of safety or refuge.
	enumeration	9
		The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	10
		Pertaining to natural resources or exploitation.
	enumeration	11
		Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	12
		An authority with responsibility for the control and movement of money.
	enumeration	13
		The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Attribute	rxNCode_categoryOfRxNType/@code

### Simple Type categoryOfVesselLabel\_Union

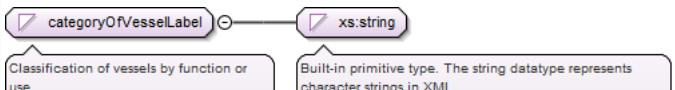
Namespace	http://www.ihc.int/S122/2.0	
Annotations	Union type for labels corresponding to extra codelist values.	
Diagram	<p>categoryOfVesselLabel_Union →</p> <p>categoryOfVesselLabel +</p> <p>Classification of vessels by function or use.</p> <p>Union type for labels corresponding to extra codelist values.</p> <p>extraLabelType +</p> <p>Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...</p>	

Type	union of(categoryOfVesselLabel, extraLabelType)	
Used by	Complex Types	Applicability_categoryOfVesselType, categoryOfVesselType

### Simple Type categoryOfVesselCode

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Classification of vessels by function or use.	
Diagram	 <p>categoryOfVesselCode → xs:integer</p> <p>Classification of vessels by function or use.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of xs:integer	
Facets	enumeration	1
		A vessel which is designed for carrying general cargo, e.g. boxes, sacks.
	enumeration	2
		A vessel designed to carry ISO containers.
	enumeration	3
		A vessel which is designed for carrying liquid goods, for example oil or water.
	enumeration	4
		A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.
	enumeration	5
		A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.
	enumeration	6
		A vessel designed to allow road vehicles to be driven on and off; often a ferry.
	enumeration	7
		A vessel designed to carry refrigerated cargo.
	enumeration	8
		A vessel that is used and equipped for the fishing of living aquatic resources.
	enumeration	9
		A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.
	enumeration	10
		A vessel designed for the conduct of military operations.
	enumeration	11
		Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.
	enumeration	12
		A combination of tug(s) and non-powered tow(s).
	enumeration	13
		A pleasure boat or watercraft, or an excursion vessel used for short cruises such as whale watching.
	enumeration	14
		An installation which is designed to float at all times and which is normally anchored in position when deployed in the offshore gas and oil industry.
	enumeration	15
		An exploration or project installation with legs which can be raised and lowered. The legs are raised when the installation is re-positioned. When stationary the legs are lowered to the sea floor and the working platform is raised clear of the sea surface.
	enumeration	16
		A vessel designed to carry large quantities of live animals.
	enumeration	17
		A vessel used in fishing for pleasure or competition.
Used by	Attribute	categoryOfVesselType/@code

### Simple Type categoryOfVesselLabel

Namespace	http://www.ihc.int/S122/2.0	
Annotations	Classification of vessels by function or use.	
Diagram	 <p>categoryOfVesselLabel → xs:string</p> <p>Classification of vessels by function or use.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	

Facets	enumeration	General Cargo Vessel	1: A vessel which is designed for carrying general cargo, e.g. boxes, sacks.
	enumeration	Container Carrier	2: A vessel designed to carry ISO containers.
	enumeration	Tanker	3: A vessel which is designed for carrying liquid goods, for example oil or water.
	enumeration	Bulk Carrier	4: A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.
	enumeration	Passenger Vessel	5: A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.
	enumeration	Roll-On Roll-Off	6: A vessel designed to allow road vehicles to be driven on and off; often a ferry.
	enumeration	Refrigerated Cargo Vessel	7: A vessel designed to carry refrigerated cargo.
	enumeration	Fishing Vessel	8: A vessel that is used and equipped for the fishing of living aquatic resources.
	enumeration	Service	9: A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.
	enumeration	Warship	10: A vessel designed for the conduct of military operations.
	enumeration	Towed or Pushed Composite Unit	11: Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.
	enumeration	Tug and Tow	12: A combination of tug(s) and non-powered tow(s).
	enumeration	Light Recreational	13: A pleasure boat or watercraft, or an excursion vessel used for short cruises such as whale watching.
	enumeration	Semi-Submersible Offshore Installation	14: An installation which is designed to float at all times and which is normally anchored in position when deployed in the offshore gas and oil industry.
	enumeration	Jack-Up Exploration or Project Installation	15: An exploration or project installation with legs which can be raised and lowered. The legs are raised when the installation is re-positioned. When stationary the legs are lowered to the sea floor and the working platform is raised clear of the sea surface.
	enumeration	Livestock Carrier	16: A vessel designed to carry large quantities of live animals.
	enumeration	Sport Fishing	17: A vessel used in fishing for pleasure or competition.

### Simple Type Applicability\_categoryOfVesselCode

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Custom enum: Applicability/categoryOfVessel		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	A vessel which is designed for carrying general cargo, e.g. boxes, sacks.
	enumeration	2	A vessel designed to carry ISO containers.
	enumeration	3	A vessel which is designed for carrying liquid goods, for example oil or water.
	enumeration	4	A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.
	enumeration	5	A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.
	enumeration	6	A vessel designed to allow road vehicles to be driven on and off; often a ferry.
	enumeration	7	A vessel designed to carry refrigerated cargo.
	enumeration	8	A vessel that is used and equipped for the fishing of living aquatic resources.

enumeration	9	A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.
enumeration	10	A vessel designed for the conduct of military operations.
enumeration	11	Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.
enumeration	12	A combination of tug(s) and non-powered tow(s).
enumeration	13	A pleasure boat or watercraft, or an excursion vessel used for short cruises such as whale watching.
enumeration	14	An installation which is designed to float at all times and which is normally anchored in position when deployed in the offshore gas and oil industry.
enumeration	15	An exploration or project installation with legs which can be raised and lowered. The legs are raised when the installation is re-positioned. When stationary the legs are lowered to the sea floor and the working platform is raised clear of the sea surface.
enumeration	16	A vessel designed to carry large quantities of live animals.
enumeration	17	A vessel used in fishing for pleasure or competition.
Used by	Attribute	Applicability_categoryOfVesselType/@code

### Simple Type Applicability\_categoryOfVesselLabel

Namespace	http://www.ihc.int/S122/2.0																																			
Annotations	Custom enum: Applicability/categoryOfVessel																																			
Diagram	<pre> classDiagram     class Applicability_categoryOfVesselLabel {         &lt;&lt;Custom enum: Applicability/categoryOfVessel&gt;&gt;     }     class xsString {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }     Applicability_categoryOfVesselLabel &lt; -- xsString   </pre>																																			
Type	restriction of xs:string																																			
Facets	<table border="1"> <tr><td>enumeration</td><td>General Cargo Vessel</td></tr> <tr><td>enumeration</td><td>Container Carrier</td></tr> <tr><td>enumeration</td><td>Tanker</td></tr> <tr><td>enumeration</td><td>Bulk Carrier</td></tr> <tr><td>enumeration</td><td>Passenger Vessel</td></tr> <tr><td>enumeration</td><td>Roll-On Roll-Off</td></tr> <tr><td>enumeration</td><td>Refrigerated Cargo Vessel</td></tr> <tr><td>enumeration</td><td>Fishing Vessel</td></tr> <tr><td>enumeration</td><td>Service</td></tr> <tr><td>enumeration</td><td>Warship</td></tr> <tr><td>enumeration</td><td>Towed or Pushed Composite Unit</td></tr> <tr><td>enumeration</td><td>Tug and Tow</td></tr> <tr><td>enumeration</td><td>Light Recreational</td></tr> <tr><td>enumeration</td><td>Semi-Submersible Offshore Installation</td></tr> <tr><td>enumeration</td><td>Jack-Up Exploration or Project Installation</td></tr> <tr><td>enumeration</td><td>Livestock Carrier</td></tr> <tr><td>enumeration</td><td>Sport Fishing</td></tr> </table>		enumeration	General Cargo Vessel	enumeration	Container Carrier	enumeration	Tanker	enumeration	Bulk Carrier	enumeration	Passenger Vessel	enumeration	Roll-On Roll-Off	enumeration	Refrigerated Cargo Vessel	enumeration	Fishing Vessel	enumeration	Service	enumeration	Warship	enumeration	Towed or Pushed Composite Unit	enumeration	Tug and Tow	enumeration	Light Recreational	enumeration	Semi-Submersible Offshore Installation	enumeration	Jack-Up Exploration or Project Installation	enumeration	Livestock Carrier	enumeration	Sport Fishing
enumeration	General Cargo Vessel																																			
enumeration	Container Carrier																																			
enumeration	Tanker																																			
enumeration	Bulk Carrier																																			
enumeration	Passenger Vessel																																			
enumeration	Roll-On Roll-Off																																			
enumeration	Refrigerated Cargo Vessel																																			
enumeration	Fishing Vessel																																			
enumeration	Service																																			
enumeration	Warship																																			
enumeration	Towed or Pushed Composite Unit																																			
enumeration	Tug and Tow																																			
enumeration	Light Recreational																																			
enumeration	Semi-Submersible Offshore Installation																																			
enumeration	Jack-Up Exploration or Project Installation																																			
enumeration	Livestock Carrier																																			
enumeration	Sport Fishing																																			

## Complex Type(s)

### Complex Type cardinalDirectionType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Principal and intermediate compass points.		
Diagram	<pre> classDiagram     cardinalDirectionType &lt; -- cardinalDirectionLabel     cardinalDirectionLabel {         Principal and intermediate compass points.         @ Attributes         code     }   </pre>		
Type	extension of cardinalDirectionLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• cardinalDirectionLabel</li> <li>• cardinalDirectionType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	cardinalDirectionCode	required

### Complex Type bearingInformation\_cardinalDirectionType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of cardinalDirection in bearingInformation		
Diagram	<pre> classDiagram     bearingInformation_cardinalDirectionType &lt; -- bearingInformation_cardinalDirectionLabel     bearingInformation_cardinalDirectionLabel {         Restricted values of bearingInformation/cardinalDirection         @ Attributes         code     }   </pre>		
Type	extension of bearingInformation_cardinalDirectionLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• bearingInformation_cardinalDirectionLabel</li> <li>• bearingInformation_cardinalDirectionType</li> </ul> </li> </ul>		
Used by	Element	bearingInformationType/cardinalDirection	
Attributes	QName	Type	Use
	code	bearingInformation_cardinalDirectionCode	required

### Complex Type categoryOfAuthorityType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.		
Diagram	<pre> classDiagram     categoryOfAuthorityType &lt; -- categoryOfAuthorityLabel     categoryOfAuthorityLabel {         The type of person, government agency or organisation granted powers of         managing or controlling access to and/or...         @ Attributes         code     }   </pre>		

Type	extension of categoryOfAuthorityLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>categoryOfAuthorityLabel</li> <li>categoryOfAuthorityType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	categoryOfAuthorityCode	required

### Complex Type AbstractRxN\_categoryOfAuthorityType

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of categoryOfAuthority in AbstractRxN		
Diagram	<pre> classDiagram     class AbstractRxN_categoryOfAuthorityType {         &lt;&lt;Base Type&gt;&gt;         &lt;&lt;AbstractRxN_categoryOfAuthorityLabel&gt;&gt;     }     class AbstractRxN_categoryOfAuthorityLabel {         &lt;&lt;Custom enum: AbstractRxN/categoryOfAuthority&gt;&gt;         &lt;&lt;Attributes&gt;&gt;         @ code         &lt;&lt;Type AbstractRxN_categoryOfAuthorityCode&gt;&gt;     }     AbstractRxN_categoryOfAuthorityType &lt; -- AbstractRxN_categoryOfAuthorityLabel   </pre>		
Type	extension of AbstractRxN_categoryOfAuthorityLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>AbstractRxN_categoryOfAuthorityLabel</li> <li>AbstractRxN_categoryOfAuthorityType</li> </ul> </li> </ul>		
Used by	Element AbstractRxNType/categoryOfAuthority		
Attributes	QName	Type	Use
	code	AbstractRxN_categoryOfAuthorityCode	required

### Complex Type Authority\_categoryOfAuthorityType

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of categoryOfAuthority in Authority		
Diagram	<pre> classDiagram     class Authority_categoryOfAuthorityType {         &lt;&lt;Base Type&gt;&gt;         &lt;&lt;Authority_categoryOfAuthorityLabel&gt;&gt;     }     class Authority_categoryOfAuthorityLabel {         &lt;&lt;Custom enum: Authority/categoryOfAuthority&gt;&gt;         &lt;&lt;Attributes&gt;&gt;         @ code         &lt;&lt;Type Authority_categoryOfAuthorityCode&gt;&gt;     }     Authority_categoryOfAuthorityType &lt; -- Authority_categoryOfAuthorityLabel   </pre>		
Type	extension of Authority_categoryOfAuthorityLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>Authority_categoryOfAuthorityLabel</li> <li>Authority_categoryOfAuthorityType</li> </ul> </li> </ul>		
Used by	Element AuthorityType/categoryOfAuthority		
Attributes	QName	Type	Use
	code	Authority_categoryOfAuthorityCode	required

### Complex Type sourceIndication\_categoryOfAuthorityType

Namespace	http://www.aho.int/S122/2.0		
-----------	-----------------------------	--	--

Annotations	Restricted values of categoryOfAuthority in sourceIndication						
Diagram	<pre> graph LR     A["sourceIndication_categoryOfAuthorityType Base Type: sourceIndication_categoryOfAuthorityLabel"] --&gt; B["sourceIndication_categoryOfAuthorityLabel"]     B --&gt; C["@ code Type: sourceIndication_categoryOfAuthorityCode"]     </pre>						
Type	extension of sourceIndication_categoryOfAuthorityLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string             <ul style="list-style-type: none"> <li>sourceIndication_categoryOfAuthorityLabel</li> <li>sourceIndication_categoryOfAuthorityType</li> </ul> </li> </ul>						
Used by	Element sourceIndicationType/categoryOfAuthority						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>sourceIndication_categoryOfAuthorityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	sourceIndication_categoryOfAuthorityCode	required
QName	Type	Use					
code	sourceIndication_categoryOfAuthorityCode	required					

### Complex Type categoryOfCargoType

Namespace	http://www.ihc.int/S122/2.0						
Annotations	Classification of the different types of cargo that a ship may be carrying.						
Diagram	<pre> graph LR     A["categoryOfCargoType Base Type: categoryOfCargoLabel"] --&gt; B["categoryOfCargoLabel"]     B --&gt; C["@ code Type: categoryOfCargoCode"]     </pre>						
Type	extension of categoryOfCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string             <ul style="list-style-type: none"> <li>categoryOfCargoLabel</li> <li>categoryOfCargoType</li> </ul> </li> </ul>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfCargoCode	required
QName	Type	Use					
code	categoryOfCargoCode	required					

### Complex Type Applicability\_categoryOfCargoType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Restricted values of categoryOfCargo in Applicability
Diagram	<pre> graph LR     A["Applicability_categoryOfCargoType Base Type: Applicability_categoryOfCargoLabel"] --&gt; B["Applicability_categoryOfCargoLabel"]     B --&gt; C["@ code Type: Applicability_categoryOfCargoCode"]     </pre>
Type	extension of Applicability_categoryOfCargoLabel
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string             <ul style="list-style-type: none"> <li>Applicability_categoryOfCargoLabel</li> <li>Applicability_categoryOfCargoType</li> </ul> </li> </ul>
Used by	Element ApplicabilityType/categoryOfCargo

Attributes	QName	Type	Use
	code	Applicability_categoryOfCar- goCode	required

### Complex Type categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.		
Diagram			
Type	extension of categoryOfCommunicationPreferenceLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• categoryOfCommunicationPreferenceLabel</li> <li>• categoryOfCommunicationPreferenceType</li> </ul>		
Attributes	QName	Type	Use
	code	categoryOfCommunication- PreferenceCode	required

### Complex Type ContactDetails\_categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of categoryOfCommunicationPreference in ContactDetails		
Diagram			
Type	extension of ContactDetails_categoryOfCommunicationPreferenceLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• ContactDetails_categoryOfCommunicationPreferenceLabel</li> <li>• ContactDetails_categoryOfCommunicationPreferenceType</li> </ul>		
Used by	Element ContactDetailsType/categoryOfCommunicationPreference		
Attributes	QName	Type	Use
	code	ContactDetails_categoryOf- CommunicationPreference- Code	required

### Complex Type telecommunications\_categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of categoryOfCommunicationPreference in telecommunications		
Diagram			

Type	extension of telecommunications_categoryOfCommunicationPreferenceLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• telecommunications_categoryOfCommunicationPreferenceLabel</li> <li>• telecommunications_categoryOfCommunicationPreferenceType</li> </ul> </li> </ul>		
Used by	Element      telecommunicationsType/categoryOfCommunicationPreference		
Attributes	QName	Type	Use
	code	telecommunications_categoryOfCommunicationPreferenceCode	required

### Complex Type categoryOfDangerousOrHazardousCargoType

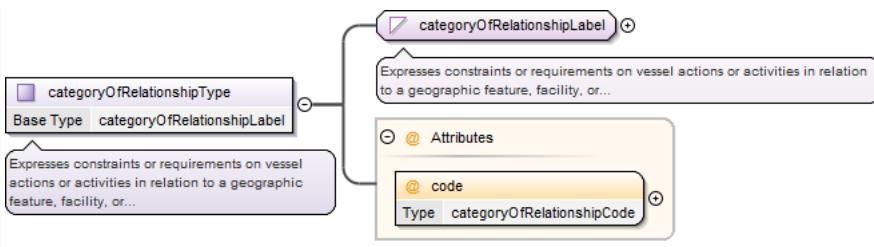
Namespace	http://www.oho.int/S122/2.0		
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).		
Diagram			
Type	extension of categoryOfDangerousOrHazardousCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• categoryOfDangerousOrHazardousCargoLabel</li> <li>• categoryOfDangerousOrHazardousCargoType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	categoryOfDangerousOrHazardousCargoCode	required

### Complex Type Applicability\_categoryOfDangerousOrHazardousCargoType

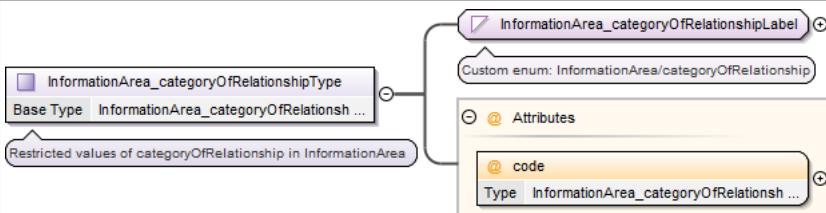
Namespace	http://www.oho.int/S122/2.0		
Annotations	Restricted values of categoryOfDangerousOrHazardousCargo in Applicability		
Diagram			
Type	extension of Applicability_categoryOfDangerousOrHazardousCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• Applicability_categoryOfDangerousOrHazardousCargoLabel</li> <li>• Applicability_categoryOfDangerousOrHazardousCargoType</li> </ul> </li> </ul>		
Used by	Element      ApplicabilityType/categoryOfDangerousOrHazardousCargo		
Attributes	QName	Type	Use
	code	Applicability_categoryOfDangerousOrHazardousCargoCode	required

### Complex Type categoryOfRelationshipType

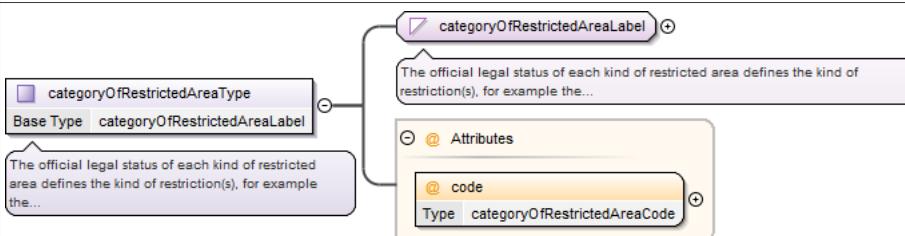
Namespace	http://www.oho.int/S122/2.0		
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.		

Diagram							
Type	extension of categoryOfRelationshipLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>categoryOfRelationshipLabel</li> <li>categoryOfRelationshipType</li> </ul> </li> </ul>						
Used by	Element      PermissionTypeType/categoryOfRelationship						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>categoryOfRelationshipCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	categoryOfRelationshipCode	required
QName	Type	Use					
code	categoryOfRelationshipCode	required					

### Complex Type InformationArea\_categoryOfRelationshipType

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Restricted values of categoryOfRelationship in InformationArea								
Diagram									
Type	extension of InformationArea_categoryOfRelationshipLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>InformationArea_categoryOfRelationshipLabel</li> <li>InformationArea_categoryOfRelationshipType</li> </ul> </li> </ul>								
Used by	Element      InformationAreaType/categoryOfRelationship								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>InformationArea_categoryOfRelationshipCode</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	code	InformationArea_categoryOfRelationshipCode	required
QName	Type	Use							
code	InformationArea_categoryOfRelationshipCode	required							

### Complex Type categoryOfRestrictedAreaType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The official legal status of each kind of restricted area defines the kind of restriction(s), for example the restriction for a 'game reserve' may be 'entering prohibited'.		
Diagram			
Type	extension of categoryOfRestrictedAreaLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>categoryOfRestrictedAreaLabel</li> <li>categoryOfRestrictedAreaType</li> </ul> </li> </ul>		

Attributes	QName	Type	Use
	code	categoryOfRestrictedAreaCode	required

### Complex Type MarineProtectedArea\_categoryOfRestrictedAreaType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Restricted values of categoryOfRestrictedArea in MarineProtectedArea		
Diagram	<pre> classDiagram     class MarineProtectedArea_categoryOfRestrictedAreaType {         &lt;&lt;Base Type: MarineProtectedArea_categoryOfRestrictedAreaType&gt;&gt;         &lt;&lt;MarineProtectedArea_categoryOfRestrictedAreaLabel&gt;&gt;         &lt;&lt;Custom enum: MarineProtectedArea/categoryOfRestrictedArea&gt;&gt;         &lt;&lt;@ Attributes: code&gt;&gt;         &lt;&lt;@ code: MarineProtectedArea_categoryOfRestrictedAreaCode&gt;&gt;     }   </pre>		
Type	extension of MarineProtectedArea_categoryOfRestrictedAreaLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• MarineProtectedArea_categoryOfRestrictedAreaLabel</li> <li>• MarineProtectedArea_categoryOfRestrictedAreaType</li> </ul> </li> </ul>		
Used by	Element	MarineProtectedAreaType/categoryOfRestrictedArea	
Attributes	QName	Type	Use
	code	MarineProtectedArea_categoryOfRestrictedAreaCode	required

### Complex Type RestrictedArea\_categoryOfRestrictedAreaType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Restricted values of categoryOfRestrictedArea in RestrictedArea		
Diagram	<pre> classDiagram     class RestrictedArea_categoryOfRestrictedAreaType {         &lt;&lt;Base Type: RestrictedArea_categoryOfRestrictedAreaType&gt;&gt;         &lt;&lt;RestrictedArea_categoryOfRestrictedAreaLabel&gt;&gt;         &lt;&lt;Custom enum: RestrictedArea/categoryOfRestrictedArea&gt;&gt;         &lt;&lt;@ Attributes: code&gt;&gt;         &lt;&lt;@ code: RestrictedArea_categoryOfRestrictedAreaCode&gt;&gt;     }   </pre>		
Type	extension of RestrictedArea_categoryOfRestrictedAreaLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• RestrictedArea_categoryOfRestrictedAreaLabel</li> <li>• RestrictedArea_categoryOfRestrictedAreaType</li> </ul> </li> </ul>		
Used by	Element	RestrictedAreaType/categoryOfRestrictedArea	
Attributes	QName	Type	Use
	code	RestrictedArea_categoryOfRestrictedAreaCode	required

### Complex Type categoryOfScheduleType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	The type of schedule, for instance opening, closure, etc.		
Diagram	<pre> classDiagram     class categoryOfScheduleType {         &lt;&lt;Base Type: categoryOfScheduleLabel&gt;&gt;         &lt;&lt;categoryOfScheduleLabel&gt;&gt;         &lt;&lt;The type of schedule, for instance opening, closure, etc.&gt;&gt;         &lt;&lt;@ Attributes: code&gt;&gt;         &lt;&lt;@ code: categoryOfScheduleCode&gt;&gt;     }   </pre>		
	<p>The type of schedule, for instance opening, closure, etc.</p>		

Type	extension of categoryOfScheduleLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• categoryOfScheduleLabel</li> <li>• categoryOfScheduleType</li> </ul> </li> </ul>		
Attributes			
QName	Type	Use	
code	categoryOfScheduleCode	required	

### Complex Type scheduleByDayOfWeek\_categoryOfScheduleType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of categoryOfSchedule in scheduleByDayOfWeek		
Diagram	<pre> graph LR     A[scheduleByDayOfWeek_categoryOfScheduleType] --&gt; B[scheduleByDayOfWeek_categoryOfScheduleLabel]     A --&gt; C[Attributes]     A --&gt; D[code]     </pre>		
Type	extension of scheduleByDayOfWeek_categoryOfScheduleLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• scheduleByDayOfWeek_categoryOfScheduleLabel</li> <li>• scheduleByDayOfWeek_categoryOfScheduleType</li> </ul> </li> </ul>		
Used by	Element scheduleByDayOfWeekType/categoryOfSchedule		
QName	Type	Use	
code	scheduleByDayOfWeek_categoryOfScheduleCode	required	

### Complex Type categoryOfTemporalVariationType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	An assessment of the likelihood of change over time.		
Diagram	<pre> graph LR     A[categoryOfTemporalVariationType] --&gt; B[categoryOfTemporalVariationLabel]     A --&gt; C[Attributes]     A --&gt; D[code]     </pre>		
Type	extension of categoryOfTemporalVariationLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• categoryOfTemporalVariationLabel</li> <li>• categoryOfTemporalVariationType</li> </ul> </li> </ul>		
QName	Type	Use	
code	categoryOfTemporalVariationCode	required	

### Complex Type QualityOfNonBathymetricData\_categoryOfTemporalVariationType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Restricted values of categoryOfTemporalVariation in QualityOfNonBathymetricData

Diagram							
Type	extension of QualityOfNonBathymetricData_categoryOfTemporalVariationLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>QualityOfNonBathymetricData_categoryOfTemporalVariationLabel</li> <li>QualityOfNonBathymetricData_categoryOfTemporalVariationType</li> </ul> </li> </ul>						
Used by	Element                    QualityOfNonBathymetricDataType/categoryOfTemporalVariation						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>QualityOfNonBathymetricData_categoryOfTemporalVariationCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	QualityOfNonBathymetricData_categoryOfTemporalVariationCode	required
QName	Type	Use					
code	QualityOfNonBathymetricData_categoryOfTemporalVariationCode	required					

### Complex Type categoryOfTextType

Namespace	http://www.ihodata.org/S122/2.0						
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.						
Diagram							
Type	extension of categoryOfTextLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>categoryOfTextLabel</li> <li>categoryOfTextType</li> </ul> </li> </ul>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfTextCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfTextCode	required
QName	Type	Use					
code	categoryOfTextCode	required					

### Complex Type textContent\_categoryOfTextType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Restricted values of categoryOfText in textContent
Diagram	
Type	extension of textContent_categoryOfTextLabel
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>textContent_categoryOfTextLabel</li> <li>textContent_categoryOfTextType</li> </ul> </li> </ul>
Used by	Element                    textContentType/categoryOfText

Attributes	QName	Type	Use
	code	textContent_categoryOfTextCode	required

### Complex Type categoryOfVesselRegistryType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative area, exclusive zone or other location.		
Diagram	<p>The diagram shows the complex type <code>categoryOfVesselRegistryType</code> as an extension of <code>categoryOfVesselRegistryLabel</code>. It includes attributes <code>code</code> (of type <code>categoryOfVesselRegistryCode</code>) and <code>categoryOfVesselRegistryCode</code>.</p>		
Type	extension of <code>categoryOfVesselRegistryLabel</code>		
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>xs:string</code> <ul style="list-style-type: none"> <li>• <code>categoryOfVesselRegistryLabel</code></li> <li>• <code>categoryOfVesselRegistryType</code></li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	categoryOfVesselRegistryCode	required

### Complex Type Applicability\_categoryOfVesselRegistryType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of <code>categoryOfVesselRegistry</code> in <code>Applicability</code>		
Diagram	<p>The diagram shows the complex type <code>Applicability_categoryOfVesselRegistryType</code> as an extension of <code>Applicability_categoryOfVesselRegistryLabel</code>. It includes attributes <code>code</code> (of type <code>Applicability_categoryOfVesselRegistryCode</code>) and <code>Applicability_categoryOfVesselRegistryCode</code>.</p>		
Type	extension of <code>Applicability_categoryOfVesselRegistryLabel</code>		
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>xs:string</code> <ul style="list-style-type: none"> <li>• <code>Applicability_categoryOfVesselRegistryLabel</code></li> <li>• <code>Applicability_categoryOfVesselRegistryType</code></li> </ul> </li> </ul>		
Used by	Element	<code>ApplicabilityType/categoryOfVesselRegistry</code>	
Attributes	QName	Type	Use
	code	Applicability_categoryOfVesselRegistryCode	required

### Complex Type comparisonOperatorType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Numerical comparison.		
Diagram	<p>The diagram shows the complex type <code>comparisonOperatorType</code> as an extension of <code>comparisonOperatorLabel</code>. It includes attributes <code>code</code> (of type <code>comparisonOperatorCode</code>) and <code>comparisonOperatorCode</code>.</p>		
Type	Numerical comparison.		
Attributes	QName	Type	Use
	code	comparisonOperatorCode	required

Type	extension of comparisonOperatorLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• comparisonOperatorLabel</li> <li>• comparisonOperatorType</li> </ul> </li> </ul>						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>comparisonOperatorCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	comparisonOperatorCode	required
QName	Type	Use					
code	comparisonOperatorCode	required					

### Complex Type vesselMeasurementsSpecification\_comparisonOperatorType

Namespace	http://www.ihodata.org/S122/2.0						
Annotations	Restricted values of comparisonOperator in vesselMeasurementsSpecification						
Diagram	<pre> classDiagram     class vesselMeasurementsSpecification_comparisonOperatorType {         &lt;&lt;vesselMeasurementsSpecification_comp...&gt;&gt;         &lt;&lt;Restricted values of comparisonOperator in vesselMeasurementsSpecification&gt;&gt;         &lt;&lt;@ code&gt;&gt;     }     vesselMeasurementsSpecification_comparisonOperatorType &lt; -- vesselMeasurementsSpecification_comparisonOperatorLabel     vesselMeasurementsSpecification_comparisonOperatorType &lt; -- vesselMeasurementsSpecification_comparisonOperatorType   </pre>						
Type	extension of vesselMeasurementsSpecification_comparisonOperatorLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• vesselMeasurementsSpecification_comparisonOperatorLabel</li> <li>• vesselMeasurementsSpecification_comparisonOperatorType</li> </ul> </li> </ul>						
Used by	Element vesselMeasurementsSpecificationType/comparisonOperator						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>vesselMeasurementsSpecification_comparisonOperatorCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_comparisonOperatorCode	required
QName	Type	Use					
code	vesselMeasurementsSpecification_comparisonOperatorCode	required					

### Complex Type dateEndType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	The latest date on which an object (for example a buoy) will be present.
Diagram	<pre> classDiagram     class dateEndType {         &lt;&lt;S100:S100_TruncatedDate (extension base)&gt;&gt;         &lt;&lt;The latest date on which an object (for example a buoy) will be present.&gt;&gt;     }     dateEndType &lt; -- S100:S100_TruncatedDate   </pre> <p style="text-align: center;">built in date types from W3C XML schema, implementing S-100 truncated date</p>
Type	extension of S100_TruncatedDate
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TruncatedDate           <ul style="list-style-type: none"> <li>• dateEndType</li> </ul> </li> </ul>
Used by	Elements fixedDateRangeType/dateEnd, periodicDateRangeType/dateEnd, surveyDateRangeType/dateEnd
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date

### Complex Type dateFixedType

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Annotations	The date of an event.
Diagram	<pre> classDiagram     class dateFixedType {         &lt;&lt;Base Type S100:S100_TrimmedDate&gt;&gt;         &lt;&lt;The date of an event.&gt;&gt;     }     class S100:S100_TrimmedDate {         &lt;&lt;built in date types from W3C XML schema, implementing S-100 truncated date&gt;&gt;         gDay         gMonth         gYear         gMonthDay         gYearMonth         date     }     dateFixedType &lt; -- S100:S100_TrimmedDate   </pre>
Type	extension of S100_TrimmedDate
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TrimmedDate</li> <li>• dateFixedType</li> </ul>
Used by	Element NonStandardWorkingDayType/dateFixed
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date

### Complex Type dateStartType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The earliest date on which an object (for example a buoy) will be present.
Diagram	<pre> classDiagram     class dateStartType {         &lt;&lt;Base Type S100:S100_TrimmedDate&gt;&gt;         &lt;&lt;The earliest date on which an object (for example a buoy) will be present.&gt;&gt;     }     class S100:S100_TrimmedDate {         &lt;&lt;built in date types from W3C XML schema, implementing S-100 truncated date&gt;&gt;         gDay         gMonth         gYear         gMonthDay         gYearMonth         date     }     dateStartType &lt; -- S100:S100_TrimmedDate   </pre>
Type	extension of S100_TrimmedDate
Type hierarchy	<ul style="list-style-type: none"> <li>• S100_TrimmedDate</li> <li>• dateStartType</li> </ul>
Used by	Elements fixedDateRangeType/dateStart, periodicDateRangeType/dateStart, surveyDateRangeType/dateStart
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date

### Complex Type dayOfWeekType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Any one of seven days in a week.
Diagram	<pre> classDiagram     class dayOfWeekType {         &lt;&lt;Base Type dayOfWeekLabel&gt;&gt;         &lt;&lt;Any one of seven days in a week.&gt;&gt;     }     class dayOfWeekLabel {         &lt;&lt;Any one of seven days in a week.&gt;&gt;     }     class Attributes {         @code         Type dayOfWeekCode     }     dayOfWeekType &lt; -- dayOfWeekLabel     dayOfWeekType &lt; -- Attributes   </pre>

Type	extension of dayOfWeekLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• dayOfWeekLabel</li> <li>• dayOfWeekType</li> </ul>		
Attributes	QName	Type	Use
	code	dayOfWeekCode	required

### Complex Type timeIntervalsByDayOfWeek\_dayOfWeekType

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of dayOfWeek in timeIntervalsByDayOfWeek		
Diagram	<pre> graph LR     A[timeIntervalsByDayOfWeek_dayOfWeekType] --&gt; B[timeIntervalsByDayOfWeek_dayOfWeekLabel]     B --&gt; C[Restricted values of dayOfWeek in timeIntervalsByDayOfWeek]     B --&gt; D[Attributes]     D --&gt; E[@ code]     D --&gt; F[Type timeIntervalsByDayOfWeek_dayOfWeekCode]   </pre>		
Type	extension of timeIntervalsByDayOfWeek_dayOfWeekLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• timeIntervalsByDayOfWeek_dayOfWeekLabel</li> <li>• timeIntervalsByDayOfWeek_dayOfWeekType</li> </ul>		
Used by	Element timeIntervalsByDayOfWeekType/dayOfWeek		
Attributes	QName	Type	Use
	code	timeIntervalsByDayOfWeek_dayOfWeekCode	required

### Complex Type jurisdictionType

Namespace	http://www.aho.int/S122/2.0		
Annotations	The jurisdiction applicable to an administrative area.		
Diagram	<pre> graph LR     A[jurisdictionType] --&gt; B[jurisdictionLabel]     B --&gt; C[The jurisdiction applicable to an administrative area]     B --&gt; D[Attributes]     D --&gt; E[@ code]     D --&gt; F[Type jurisdictionCode]   </pre>		
Type	extension of jurisdictionLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• jurisdictionLabel</li> <li>• jurisdictionType</li> </ul>		
Attributes	QName	Type	Use
	code	jurisdictionCode	required

### Complex Type MarineProtectedArea\_jurisdictionType

Namespace	http://www.aho.int/S122/2.0		
Annotations	Restricted values of jurisdiction in MarineProtectedArea		

Diagram	<pre> classDiagram     class MarineProtectedArea_jurisdictionType {         &lt;&lt;Base Type&gt;&gt;     }     class MarineProtectedArea_jurisdictionLabel {         &lt;&lt;Custom enum: MarineProtectedArea/jurisdiction&gt;&gt;         &lt;&lt;Attributes&gt;&gt;             attribute @code             &lt;&lt;Type&gt;&gt; MarineProtectedArea_jurisdictionCode     }     MarineProtectedArea_jurisdictionType &lt; --&gt; MarineProtectedArea_jurisdictionLabel     note over MarineProtectedArea_jurisdictionLabel: Restricted values of jurisdiction in MarineProtectedArea   </pre>			
Type	extension of MarineProtectedArea_jurisdictionLabel			
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• MarineProtectedArea_jurisdictionLabel</li> <li>• MarineProtectedArea_jurisdictionType</li> </ul> </li> </ul>			
Used by	Element MarineProtectedAreaType/jurisdiction			
Attributes	QName	Type	Use	
	code	MarineProtectedArea_jurisdictionCode	required	

#### **Complex Type designation\_jurisdictionType**

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Restricted values of jurisdiction in designation								
Diagram	<pre> classDiagram     class designation_jurisdictionType {         &lt;&lt;Base Type&gt;&gt;         &lt;&lt;Restricted values of jurisdiction in designation&gt;&gt;     }     class designation_jurisdictionLabel {         &lt;&lt;Restricted values of jurisdiction in designation&gt;&gt;         &lt;&lt;@ Attributes&gt;&gt;         &lt;&lt;@ code&gt;&gt;         &lt;&lt;Type designation_jurisdictionCode&gt;&gt;     }     designation_jurisdictionType &lt; -- designation_jurisdictionLabel   </pre>								
Type	extension of designation_jurisdictionLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• designation_jurisdictionLabel</li> <li>• designation_jurisdictionType</li> </ul> </li> </ul>								
Used by	Element designationType/jurisdiction								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>designation_jurisdictionCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	designation_jurisdictionCode	required	
QName	Type	Use							
code	designation_jurisdictionCode	required							

#### **Complex Type logicalConnectivesType**

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.
Diagram	<pre> classDiagram     class logicalConnectivesType {         &lt;&lt;Base Type&gt;&gt;         logicalConnectivesLabel     }     class logicalConnectivesLabel {         &lt;&lt;Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint...&gt;&gt;         @Attributes         code : logicalConnectivesCode     }     logicalConnectivesType "0..1" o-- "1..1" logicalConnectivesLabel     logicalConnectivesLabel --&gt; "1..1" logicalConnectivesLabel :      logicalConnectivesLabel --&gt; "1..1" code : logicalConnectivesCode   </pre>
Type	extension of logicalConnectivesLabel
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• logicalConnectivesLabel           <ul style="list-style-type: none"> <li>• logicalConnectivesType</li> </ul> </li> </ul>

Attributes	QName	Type	Use
	code	logicalConnectivesCode	required

### Complex Type Applicability\_logicalConnectivesType

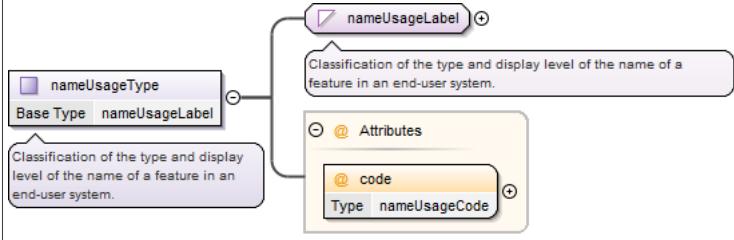
Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of logicalConnectives in Applicability		
Diagram	<pre> classDiagram     class Applicability_logicalConnectivesType {         &lt;&lt;Base Type: Applicability_logicalConnectivesLabel&gt;&gt;         &lt;&lt;Restricted values of logicalConnectives in Applicability&gt;&gt;         &lt;&lt;Attributes: code (type: Applicability_logicalConnectivesCode)&gt;&gt;     }     Applicability_logicalConnectivesType &lt; -- Applicability_logicalConnectivesLabel   </pre>		
Type	extension of Applicability_logicalConnectivesLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• Applicability_logicalConnectivesLabel</li> <li>• Applicability_logicalConnectivesType</li> </ul> </li> </ul>		
Used by	Element ApplicationType/logicalConnectives		
Attributes	QName	Type	Use
	code	Applicability_logicalConnectivesCode	required

### Complex Type membershipType

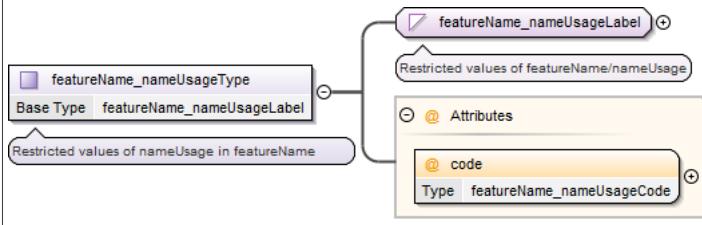
Namespace	http://www.ihc.int/S122/2.0		
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.		
Diagram	<pre> classDiagram     class membershipType {         &lt;&lt;Base Type: membershipLabel&gt;&gt;         &lt;&lt;Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.&gt;&gt;         &lt;&lt;Attributes: code (type: membershipCode)&gt;&gt;     }     membershipType &lt; -- membershipLabel   </pre>		
Type	extension of membershipLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• membershipLabel</li> <li>• membershipType</li> </ul> </li> </ul>		
Used by	Element InclusionTypeType/membership		
Attributes	QName	Type	Use
	code	membershipCode	required

### Complex Type nameUsageType

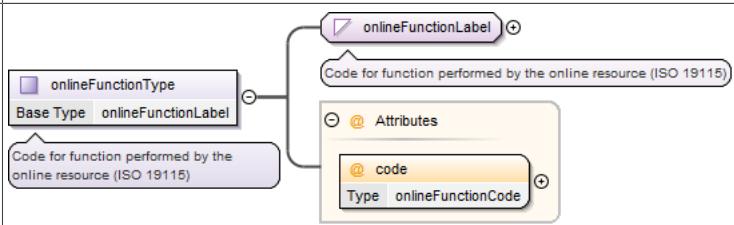
Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of the type and display level of the name of a feature in an end-user system.		

Diagram							
Type	extension of nameUsageLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• nameUsageLabel</li> <li>• nameUsageType</li> </ul> </li> </ul>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>nameUsageCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	nameUsageCode	required
QName	Type	Use					
code	nameUsageCode	required					

### Complex Type `featureName_nameUsageType`

Namespace	http://www.aho.int/S122/2.0								
Annotations	Restricted values of nameUsage in featureName								
Diagram									
Type	extension of featureName_nameUsageLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• featureName_nameUsageLabel</li> <li>• featureName_nameUsageType</li> </ul> </li> </ul>								
Used by	Element featureNameType/nameUsage								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>featureName_nameUsageCode</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	code	featureName_nameUsageCode	required
QName	Type	Use							
code	featureName_nameUsageCode	required							

### Complex Type `onlineFunctionType`

Namespace	http://www.aho.int/S122/2.0								
Annotations	Code for function performed by the online resource (ISO 19115)								
Diagram									
Type	extension of onlineFunctionLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• onlineFunctionLabel</li> <li>• onlineFunctionType</li> </ul> </li> </ul>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>onlineFunctionCode</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	code	onlineFunctionCode	required
QName	Type	Use							
code	onlineFunctionCode	required							

## Complex Type onlineResource\_onlineFunctionType

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Restricted values of onlineFunction in onlineResource								
Diagram	<pre> classDiagram     class onlineResource_onlineFunctionType {         &lt;&lt;onlineResource_onlineFunctionLabel&gt;&gt;     }     class onlineResource_onlineFunctionLabel {         &lt;&lt;Restricted values of onlineResource/onlineFunction&gt;&gt;     }     onlineResource_onlineFunctionType "0..1" --&gt; &gt; onlineResource_onlineFunctionLabel     onlineResource_onlineFunctionLabel --&gt; &gt; onlineResource_onlineFunctionCode     note over onlineResource_onlineFunctionType: Restricted values of onlineFunction in onlineResource     note over onlineResource_onlineFunctionLabel: Restricted values of onlineResource/onlineFunction     note over onlineResource_onlineFunctionCode: @ code   </pre>								
Type	extension of onlineResource_onlineFunctionLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>onlineResource_onlineFunctionLabel</li> <li>onlineResource_onlineFunctionType</li> </ul> </li> </ul>								
Used by	Element onlineResourceType/onlineFunction								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>onlineResource_onlineFunctionCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	onlineResource_onlineFunctionCode	required
QName	Type	Use							
code	onlineResource_onlineFunctionCode	required							

## Complex Type qualityOfHorizontalMeasurementType

Namespace	http://www.ihc.int/S122/2.0								
Annotations	The degree of reliability attributed to a position.								
Diagram	<pre> classDiagram     class qualityOfHorizontalMeasurementType {         &lt;&lt;qualityOfHorizontalMeasurementLabel&gt;&gt;     }     class qualityOfHorizontalMeasurementLabel {         &lt;&lt;The degree of reliability attributed to a position.&gt;&gt;     }     qualityOfHorizontalMeasurementType "0..1" --&gt; &gt; qualityOfHorizontalMeasurementLabel     qualityOfHorizontalMeasurementLabel --&gt; &gt; qualityOfHorizontalMeasurementCode     note over qualityOfHorizontalMeasurementType: The degree of reliability attributed to a position.     note over qualityOfHorizontalMeasurementLabel: The degree of reliability attributed to a position.     note over qualityOfHorizontalMeasurementCode: @ code   </pre>								
Type	extension of qualityOfHorizontalMeasurementLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>qualityOfHorizontalMeasurementLabel</li> <li>qualityOfHorizontalMeasurementType</li> </ul> </li> </ul>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>qualityOfHorizontalMeasurementCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	qualityOfHorizontalMeasurementCode	required
QName	Type	Use							
code	qualityOfHorizontalMeasurementCode	required							

## Complex Type SpatialQuality\_qualityOfHorizontalMeasurementType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of qualityOfHorizontalMeasurement in SpatialQuality		
Diagram	<pre> classDiagram     class SpatialQuality_qualityOfHorizontalMeasurementType {         &lt;&lt;SpatialQuality_qualityOfHorizontalMeasurementLabel&gt;&gt;     }     class SpatialQuality_qualityOfHorizontalMeasurementLabel {         &lt;&lt;Custom enum: SpatialQuality/qualityOfHorizontalMeasurement&gt;&gt;     }     SpatialQuality_qualityOfHorizontalMeasurementType "0..1" --&gt; &gt; SpatialQuality_qualityOfHorizontalMeasurementLabel     SpatialQuality_qualityOfHorizontalMeasurementLabel --&gt; &gt; SpatialQuality_qualityOfHorizontalMe...     note over SpatialQuality_qualityOfHorizontalMeasurementType: Restricted values of qualityOfHorizontalMeasurement in SpatialQuality     note over SpatialQuality_qualityOfHorizontalMeasurementLabel: Custom enum: SpatialQuality/qualityOfHorizontalMeasurement     note over SpatialQuality_qualityOfHorizontalMe...: @ code   </pre>		
Type	extension of SpatialQuality_qualityOfHorizontalMeasurementLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>SpatialQuality_qualityOfHorizontalMeasurementLabel</li> <li>SpatialQuality_qualityOfHorizontalMeasurementType</li> </ul> </li> </ul>		

	<ul style="list-style-type: none"> <li>SpatialQuality_qualityOfHorizontalMeasurementLabel</li> <li>SpatialQuality_qualityOfHorizontalMeasurementType</li> </ul>						
Used by	Element SpatialQualityType/qualityOfHorizontalMeasurement						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>SpatialQuality_qualityOfHorizontalMeasurementCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SpatialQuality_qualityOfHorizontalMeasurementCode	required
QName	Type	Use					
code	SpatialQuality_qualityOfHorizontalMeasurementCode	required					

### Complex Type reportedDateType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The date that the item was observed, done, or investigated.
Diagram	<pre> classDiagram     class reportedDateType {         &lt;&lt;Base Type S100_TruncatedDate&gt;&gt;         gDay         gMonth         gYear         gMonthDay         gYearMonth         date     }     reportedDateType &lt; -- S100_S100_TruncatedDate   </pre> <p>The date that the item was observed, done, or investigated.</p> <p>built in date types from W3C XML schema, implementing S-100 truncated date</p>
Type	extension of S100_TruncatedDate
Type hierarchy	<ul style="list-style-type: none"> <li>S100_TruncatedDate</li> <li>reportedDateType</li> </ul>
Used by	Element sourceIndicationType/reportedDate
Model	gDay   gMonth   gYear   gMonthDay   gYearMonth   date

### Complex Type restrictionType

Namespace	http://www.ihc.int/S122/2.0						
Annotations	The official legal statute of each kind of restricted area.						
Diagram	<pre> classDiagram     class restrictionType {         &lt;&lt;restrictionLabel&gt;&gt;         @code     }     restrictionType &lt; -- restrictionLabel   </pre> <p>The official legal statute of each kind of restricted area.</p> <p>@ Attributes</p> <p>@ code</p>						
Type	extension of restrictionLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string</li> <li>restrictionLabel</li> <li>restrictionType</li> </ul>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	restrictionCode	required
QName	Type	Use					
code	restrictionCode	required					

### Complex Type MarineProtectedArea\_restrictionType

Namespace	http://www.ihc.int/S122/2.0
-----------	-----------------------------

Annotations	Restricted values of restriction in MarineProtectedArea						
Diagram	<pre> classDiagram     class MarineProtectedArea_restrictionType {         &lt;&lt;MarineProtectedArea_restrictionType&gt;&gt;         &lt;&lt;Base Type: MarineProtectedArea_restrictionLabel&gt;&gt;         &lt;&lt;Restricted values of restriction in MarineProtectedArea&gt;&gt;     }     class MarineProtectedArea_restrictionLabel {         &lt;&lt;MarineProtectedArea_restrictionLabel&gt;&gt;         &lt;&lt;Custom enum: MarineProtectedArea/restriction&gt;&gt;     }     class Attributes {         &lt;&lt;Attributes&gt;&gt;         &lt;&lt;@ code&lt;/code&gt;&gt;         &lt;&lt;Type: MarineProtectedArea_restrictionCode&gt;&gt;     }     MarineProtectedArea_restrictionType "0..1" --&gt; &gt; MarineProtectedArea_restrictionLabel     MarineProtectedArea_restrictionType "0..1" --&gt; gt; Attributes   </pre>						
Type	extension of MarineProtectedArea_restrictionLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>MarineProtectedArea_restrictionLabel</li> <li>MarineProtectedArea_restrictionType</li> </ul> </li> </ul>						
Used by	Element <code>MarineProtectedAreaType/restriction</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>code</code></td> <td>MarineProtectedArea_restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	MarineProtectedArea_restrictionCode	required
QName	Type	Use					
<code>code</code>	MarineProtectedArea_restrictionCode	required					

### Complex Type RestrictedArea\_restrictionType

Namespace	http://www.ihodata.org/S122/2.0						
Annotations	Restricted values of restriction in RestrictedArea						
Diagram	<pre> classDiagram     class RestrictedArea_restrictionType {         &lt;&lt;RestrictedArea_restrictionType&gt;&gt;         &lt;&lt;Base Type: RestrictedArea_restrictionLabel&gt;&gt;         &lt;&lt;Restricted values of restriction in RestrictedArea&gt;&gt;     }     class RestrictedArea_restrictionLabel {         &lt;&lt;RestrictedArea_restrictionLabel&gt;&gt;         &lt;&lt;Custom enum: RestrictedArea/restriction&gt;&gt;     }     class Attributes {         &lt;&lt;Attributes&gt;&gt;         &lt;&lt;@ code&lt;/code&gt;&gt;         &lt;&lt;Type: RestrictedArea_restrictionCode&gt;&gt;     }     RestrictedArea_restrictionType "0..1" --&gt; gt; RestrictedArea_restrictionLabel     RestrictedArea_restrictionType "0..1" --&gt; gt; Attributes   </pre>						
Type	extension of RestrictedArea_restrictionLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>RestrictedArea_restrictionLabel</li> <li>RestrictedArea_restrictionType</li> </ul> </li> </ul>						
Used by	Element <code>RestrictedAreaType/restriction</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>code</code></td> <td>RestrictedArea_restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	RestrictedArea_restrictionCode	required
QName	Type	Use					
<code>code</code>	RestrictedArea_restrictionCode	required					

### Complex Type sourceTypeType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Type of the source.
Diagram	<pre> classDiagram     class sourceTypeType {         &lt;&lt;sourceTypeType&gt;&gt;         &lt;&lt;Base Type: sourceTypeLabel&gt;&gt;         &lt;&lt;Type of the source.&gt;&gt;     }     class sourceTypeLabel {         &lt;&lt;sourceTypeLabel&gt;&gt;     }     class Attributes {         &lt;&lt;Attributes&gt;&gt;         &lt;&lt;@ code&lt;/code&gt;&gt;         &lt;&lt;Type: sourceTypeCode&gt;&gt;     }     sourceTypeType "0..1" --&gt; gt; sourceTypeLabel     sourceTypeType "0..1" --&gt; gt; Attributes   </pre>
Type	extension of sourceTypeLabel
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>sourceTypeLabel</li> <li>sourceTypeType</li> </ul> </li> </ul>

Attributes	QName	Type	Use
	code	sourceIndication_sourceTypeCode	required

### Complex Type sourceIndication\_sourceTypeType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Restricted values of sourceType in sourceIndication		
Diagram	<pre> classDiagram     class sourceIndication_sourceTypeType {         &lt;&lt;sourceIndication_sourceTypeLabel&gt;&gt;         @code     }     sourceIndication_sourceTypeType &lt; -- sourceIndication_sourceTypeLabel     note over sourceIndication_sourceTypeType: Restricted values of sourceType in sourceIndication     note over @code: Type sourceIndication_sourceTypeCode   </pre>		
Type	extension of sourceIndication_sourceTypeLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• sourceIndication_sourceTypeLabel</li> <li>• sourceIndication_sourceTypeType</li> </ul> </li> </ul>		
Used by	Element sourceIndicationType/sourceType		
Attributes	QName	Type	Use
	code	sourceIndication_sourceTypeCode	required

### Complex Type statusType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	The condition of an object at a given instant in time.		
Diagram	<pre> classDiagram     class statusType {         &lt;&lt;statusLabel&gt;&gt;         @code     }     statusType &lt; -- statusLabel     note over statusType: The condition of an object at a given instant in time.     note over @code: Type statusCode   </pre>		
Type	extension of statusLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• statusLabel</li> <li>• statusType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	statusCode	required

### Complex Type MarineProtectedArea\_statusType

Namespace	http://www.ihodata.org/S122/2.0		
Annotations	Restricted values of status in MarineProtectedArea		
Diagram	<pre> classDiagram     class MarineProtectedArea_statusType {         &lt;&lt;MarineProtectedArea_statusLabel&gt;&gt;         @code     }     MarineProtectedArea_statusType &lt; -- MarineProtectedArea_statusLabel     note over MarineProtectedArea_statusType: Custom enum: MarineProtectedArea/status     note over @code: Type MarineProtectedArea_statusCode   </pre>		
Type	extension of MarineProtectedArea_statusLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• MarineProtectedArea_statusLabel</li> <li>• MarineProtectedArea_statusType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	MarineProtectedArea_statusCode	required

Type	extension of MarineProtectedAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>MarineProtectedAreaStatusLabel</li> <li>MarineProtectedArea_statusType</li> </ul> </li> </ul>		
Used by	Element MarineProtectedAreaType/status		
Attributes	QName	Type	Use
	code	MarineProtectedArea_statusCode	required

### Complex Type RestrictedArea\_statusType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of status in RestrictedArea		
Diagram	<pre> classDiagram     class RestrictedArea_statusType {         &lt;&lt;Base Type: RestrictedAreaStatusLabel&gt;&gt;         &lt;&lt;Restricted values of status in RestrictedArea&gt;&gt;     }     class RestrictedAreaStatusLabel {         &lt;&lt;Custom enum: RestrictedArea/status&gt;&gt;     }     RestrictedArea_statusType "0..1" -- "1..1" RestrictedAreaStatusLabel     RestrictedArea_statusType "0..1" -- "1..1" @code {         &lt;&lt;@ code         &lt;&lt;Type: RestrictedArea_statusCode&gt;&gt;     }   </pre>		
Type	extension of RestrictedAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>RestrictedAreaStatusLabel</li> <li>RestrictedArea_statusType</li> </ul> </li> </ul>		
Used by	Element RestrictedAreaType/status		
Attributes	QName	Type	Use
	code	RestrictedArea_statusCode	required

### Complex Type telecommunicationServiceType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.		
Diagram	<pre> classDiagram     class telecommunicationServiceType {         &lt;&lt;Base Type: telecommunicationServiceLabel&gt;&gt;         &lt;&lt;Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.&gt;&gt;     }     class telecommunicationServiceLabel {         &lt;&lt;Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.&gt;&gt;     }     telecommunicationServiceType "0..1" -- "1..1" telecommunicationServiceLabel     telecommunicationServiceType "0..1" -- "1..1" @code {         &lt;&lt;@ code         &lt;&lt;Type: telecommunicationServiceCode&gt;&gt;     }   </pre>		
Type	extension of telecommunicationServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>telecommunicationServiceLabel</li> <li>telecommunicationServiceType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	telecommunicationServiceCode	required

### Complex Type telecommunications\_telecommunicationServiceType

Namespace	http://www.ihc.int/S122/2.0		
-----------	-----------------------------	--	--

Annotations	Restricted values of telecommunicationService in telecommunications						
Diagram	<pre> graph LR     T[telecommunications_telecommunicationServiceType] --&gt; L[telecommunications_telecommunicationServiceLabel]     T --&gt; C[code]     L --- R1[Restricted values of telecommunications/telecommunicationService]     C --- R2[@ Attributes]     C --- C2[@ code]   </pre>						
Type	extension of telecommunications_telecommunicationServiceLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>telecommunications_telecommunicationServiceLabel</li> <li>telecommunications_telecommunicationServiceType</li> </ul> </li> </ul>						
Used by	Element telecommunicationsType/telecommunicationService						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>telecommunications_telecommunicationServiceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunications_telecommunicationServiceCode	required
QName	Type	Use					
code	telecommunications_telecommunicationServiceCode	required					

### Complex Type textTypeType

Namespace	http://www.ihc.int/S122/2.0						
Annotations	The attribute from which a text string is derived.						
Diagram	<pre> graph LR     T[textTypeType] --&gt; L1[textTypeLabel]     T --&gt; C1[code]     L1 --- R1[The attribute from which a text string is derived]     C1 --- R2[@ Attributes]     C1 --- C2[@ code]   </pre>						
Type	extension of textTypeLabel						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>textTypeLabel</li> <li>textTypeType</li> </ul> </li> </ul>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>textTypeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	textTypeCode	required
QName	Type	Use					
code	textTypeCode	required					

### Complex Type TextPlacement\_textTypeType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Restricted values of textType in TextPlacement
Diagram	<pre> graph LR     T[TextPlacement_textTypeType] --&gt; L2[TextPlacement_textTypeLabel]     T --&gt; C2[code]     L2 --- R3[Custom enum: TextPlacement/textType]     C2 --- R4[@ Attributes]     C2 --- C3[@ code]   </pre>
Type	extension of TextPlacement_textTypeLabel
Type hierarchy	<ul style="list-style-type: none"> <li>xs:string           <ul style="list-style-type: none"> <li>TextPlacement_textTypeLabel</li> <li>TextPlacement_textTypeType</li> </ul> </li> </ul>
Used by	Element TextPlacementType/textType

Attributes	QName	Type	Use
	code	TextPlacement_textTypeCode	required

### Complex Type vesselsCharacteristicsType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Characteristics of vessels.		
Diagram	<pre> classDiagram     class vesselsCharacteristicsType {         &lt;&lt;extension of vesselsCharacteristicsLabel&gt;&gt;         &lt;&lt;@ code : vesselsCharacteristicsCode&gt;&gt;     }     vesselsCharacteristicsType &lt; -- vesselsCharacteristicsLabel     &lt;&lt;Characteristics of vessels.&gt;&gt;     &lt;&lt;@ Attributes&gt;&gt;     &lt;&lt;@ code : vesselsCharacteristicsCode&gt;&gt;   </pre>		
Type	extension of vesselsCharacteristicsLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• vesselsCharacteristicsLabel</li> <li>• vesselsCharacteristicsType</li> </ul> </li> </ul>		
Attributes	QName	Type	Use
	code	vesselsCharacteristicsCode	required

### Complex Type vesselMeasurementsSpecification\_vesselsCharacteristicsType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Restricted values of vesselsCharacteristics in vesselMeasurementsSpecification		
Diagram	<pre> classDiagram     class vesselMeasurementsSpecification_vesselsCharacteristicsType {         &lt;&lt;extension of vesselMeasurementsSpecification_vesselsCharacteristicsLabel&gt;&gt;         &lt;&lt;@ code : vesselMeasurementsSpecification_vesselsCharacteristicsCode&gt;&gt;     }     vesselMeasurementsSpecification_vesselsCharacteristicsType &lt; -- vesselMeasurementsSpecification_vesselsCharacteristicsLabel     &lt;&lt;Restricted values of vesselsCharacteristics in vesselMeasurementsSpecification&gt;&gt;     &lt;&lt;@ Attributes&gt;&gt;     &lt;&lt;@ code : vesselMeasurementsSpecification_vesselsCharacteristicsCode&gt;&gt;   </pre>		
Type	extension of vesselMeasurementsSpecification_vesselsCharacteristicsLabel		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• vesselMeasurementsSpecification_vesselsCharacteristicsLabel</li> <li>• vesselMeasurementsSpecification_vesselsCharacteristicsType</li> </ul> </li> </ul>		
Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristics		
Attributes	QName	Type	Use
	code	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required

### Complex Type vesselsCharacteristicsUnitType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The unit used for vessel characteristics attribute.		
Diagram	<pre> classDiagram     class vesselsCharacteristicsUnitType {         &lt;&lt;extension of vesselsCharacteristicsUnitLabel&gt;&gt;         &lt;&lt;@ code : vesselsCharacteristicsUnitCode&gt;&gt;     }     vesselsCharacteristicsUnitType &lt; -- vesselsCharacteristicsUnitLabel     &lt;&lt;The unit used for vessel characteristics attribute&gt;&gt;     &lt;&lt;@ Attributes&gt;&gt;     &lt;&lt;@ code : vesselsCharacteristicsUnitCode&gt;&gt;   </pre>		
Type	extension of vesselsCharacteristicsUnitLabel		

Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• vesselsCharacteristicsUnitLabel</li> <li>• vesselsCharacteristicsUnitType</li> </ul> </li> </ul>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><b>code</b></td> <td>vesselsCharacteristicsUnitCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		<b>code</b>	vesselsCharacteristicsUnitCode	required	
QName	Type	Use							
<b>code</b>	vesselsCharacteristicsUnitCode	required							

**Complex Type vesselMeasurementsSpecification\_vesselsCharacteristicsUnitType**

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Restricted values of vesselsCharacteristicsUnit in vesselMeasurementsSpecification								
Diagram	<pre> classDiagram     class vesselMeasurementsSpecification_vesselsCharacteristicsUnitType {         &lt;&lt;Base Type vesselMeasurementsSpecification_vess ...&gt;&gt;         &lt;&lt;Restricted values of vesselMeasurementsSpecification/vesselCharacteristicsUnit&gt;&gt;         &lt;&lt;Attributes @ code&gt;&gt;         &lt;&lt;Type vesselMeasurementsSpecification_vess ...&gt;&gt;     }     vesselMeasurementsSpecification_vesselsCharacteristicsUnitType "1" -- "1" vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel     vesselMeasurementsSpecification_vesselsCharacteristicsUnitType "1" -- "1" code   </pre>								
Type	extension of vesselMeasurementsSpecification_vesselCharacteristicsUnitLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• vesselMeasurementsSpecification_vesselCharacteristicsUnitLabel</li> <li>• vesselMeasurementsSpecification_vesselCharacteristicsUnitType</li> </ul> </li> </ul>								
Used by	Element vesselMeasurementsSpecificationType/vesselCharacteristicsUnit								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>vesselMeasurementsSpecification_vesselCharacteristicsUnitCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	vesselMeasurementsSpecification_vesselCharacteristicsUnitCode	required	
QName	Type	Use							
code	vesselMeasurementsSpecification_vesselCharacteristicsUnitCode	required							

### **Complex Type actionOrActivityType**

Namespace	http://www.ihc.int/S122/2.0															
Annotations	The action or activity of a vessel.															
Diagram	<pre> classDiagram     class actionOrActivityLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codelist values&gt;&gt;         &lt;&lt;The action or activity of a vessel.&gt;&gt;         &lt;&lt;Only if an "extra" value is encoded&gt;&gt;         @Attributes         code : actionOrActivityCode         codelistType : codelistTypeType         otherValue : extraValueType     }     class actionOrActivityType {         &lt;&lt;Base Type actionOrActivityLabel_Union&gt;&gt;     }     actionOrActivityType --&gt; actionOrActivityLabel_Union   </pre>															
Type	extension of actionOrActivityLabel_Union															
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:anySimpleType           <ul style="list-style-type: none"> <li>• actionOrActivityLabel_Union</li> <li>• actionOrActivityType</li> </ul> </li> </ul>															
Used by	Element rxNCODEType/actionOrActivity															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>actionOrActivityCode</td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>codelistType</td> <td>codelistTypeType</td> <td>openEnumeration</td> <td>optional</td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Use		code	actionOrActivityCode		optional		codelistType	codelistTypeType	openEnumeration	optional	
QName	Type	Fixed	Use													
code	actionOrActivityCode		optional													
codelistType	codelistTypeType	openEnumeration	optional													

QName	Type	Fixed	Use	
<b>otherValue</b>	extraValueType		optional	
	Only if an "extra" value is encoded			

## Complex Type InformationArea\_actionOrActivityType

Namespace	http://www.iho.int/S122/2.0			
Annotations	Restricted values of actionOrActivity in InformationArea			
Diagram	<pre> classDiagram     class InformationArea_actionOrActivityType {         &lt;&lt;Base Type&gt;&gt;         actionOrActivityLabel_Union     }     class actionOrActivityLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codeList values.&gt;&gt;         @Attributes         @code : InformationArea_actionOrActivityCode     }     InformationArea_actionOrActivityType --&gt; actionOrActivityLabel_Union   </pre>			
Type	extension of actionOrActivityLabel_Union			
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:anySimpleType           <ul style="list-style-type: none"> <li>• actionOrActivityLabel_Union</li> <li>• InformationArea_actionOrActivityType</li> </ul> </li> </ul>			
Used by	Element InformationAreaType/actionOrActivity			
Attributes	QName	Type	Use	
	<b>code</b>	InformationArea_actionOrActivityCode	optional	

## Complex Type rxNCode\_actionOrActivityType

Namespace	http://www.iho.int/S122/2.0			
Annotations	Restricted values of actionOrActivity in rxNCode			
Diagram	<pre> classDiagram     class rxNCode_actionOrActivityType {         &lt;&lt;Base Type&gt;&gt;         rxNCode_actionOrActivityLabel     }     class rxNCode_actionOrActivityLabel {         &lt;&lt;Restricted values of rxNCode/actionOrActivity&gt;&gt;         @Attributes         @code : rxNCode_actionOrActivityCode     }     rxNCode_actionOrActivityType --&gt; rxNCode_actionOrActivityLabel   </pre>			
Type	extension of rxNCode_actionOrActivityLabel			
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• rxNCode_actionOrActivityLabel</li> <li>• rxNCode_actionOrActivityType</li> </ul> </li> </ul>			
Attributes	QName	Type	Use	
	<b>code</b>	rxNCode_actionOrActivityCode	required	

## Complex Type categoryOfMarineProtectedAreaType

Namespace	http://www.iho.int/S122/2.0			
Annotations	Classification of marine protected areas based on IUCN (International Union for Conservation of Nature and Natural Resources) categories.			

Diagram	<pre> classDiagram     categoryOfMarineProtectedAreaType "Base Type" --&gt; categoryOfMarineProtectedAreaLabel_Union     categoryOfMarineProtectedAreaLabel_Union "Union type for labels corresponding to extra codelist values."     categoryOfMarineProtectedAreaLabel_Union &lt; -- Attributes     Attributes &lt; -- code : categoryOfMarineProtectedAreaCode     Attributes &lt; -- codelistType : codelistTypeType     codelistType &lt; -- Fixed : openEnumeration     Attributes &lt; -- otherValue : extraValueType     otherValue "Only if an "extra" value is encoded"   </pre>																				
Type	extension of categoryOfMarineProtectedAreaLabel_Union																				
Type hierarchy	<ul style="list-style-type: none"> <li>xs:anySimpleType           <ul style="list-style-type: none"> <li>categoryOfMarineProtectedAreaLabel_Union</li> <li>categoryOfMarineProtectedAreaType</li> </ul> </li> </ul>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfMarineProtectedAreaCode</td> <td></td> <td>optional</td> </tr> <tr> <td>codelistType</td> <td>codelistTypeType</td> <td>openEnumeration</td> <td>optional</td> </tr> <tr> <td>otherValue</td> <td>extraValueType</td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="2">Only if an "extra" value is encoded</td></tr> </tbody> </table>	QName	Type	Fixed	Use	code	categoryOfMarineProtectedAreaCode		optional	codelistType	codelistTypeType	openEnumeration	optional	otherValue	extraValueType		optional			Only if an "extra" value is encoded	
QName	Type	Fixed	Use																		
code	categoryOfMarineProtectedAreaCode		optional																		
codelistType	codelistTypeType	openEnumeration	optional																		
otherValue	extraValueType		optional																		
		Only if an "extra" value is encoded																			

### Complex Type MarineProtectedArea\_categoryOfMarineProtectedAreaType

Namespace	http://www.ihodata.org/S122/2.0						
Annotations	Restricted values of categoryOfMarineProtectedArea in MarineProtectedArea						
Diagram	<pre> classDiagram     MarineProtectedArea_categoryOfMarineProtectedAreaType "Base Type" --&gt; categoryOfMarineProtectedAreaLabel_Union     categoryOfMarineProtectedAreaLabel_Union "Union type for labels corresponding to extra codelist values."     categoryOfMarineProtectedAreaLabel_Union &lt; -- Attributes     Attributes &lt; -- code : MarineProtectedArea_code   </pre>						
Type	extension of categoryOfMarineProtectedAreaLabel_Union						
Type hierarchy	<ul style="list-style-type: none"> <li>xs:anySimpleType           <ul style="list-style-type: none"> <li>categoryOfMarineProtectedAreaLabel_Union</li> <li>MarineProtectedArea_categoryOfMarineProtectedAreaType</li> </ul> </li> </ul>						
Used by	Element MarineProtectedAreaType/categoryOfMarineProtectedArea						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>MarineProtectedArea_code</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	MarineProtectedArea_code	optional
QName	Type	Use					
code	MarineProtectedArea_code	optional					

### Complex Type categoryOfRxNType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.

Diagram	<pre> classDiagram     categoryOfRxNLabel_Union &lt; -- categoryOfRxNType     categoryOfRxNLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codelist values.&gt;&gt;         &lt;&lt;The principal subject matter of regulations, restrictions, recommendations or nautical information.&gt;&gt;         &lt;&lt;Only if an "extra" value is encoded&gt;&gt;         @Attributes             @code : categoryOfRxNCode             @codelistType : codelistTypeType                 Fixed: openEnumeration             @otherValue : extraValueType     }   </pre>																				
Type	extension of categoryOfRxNLabel_Union																				
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:anySimpleType           <ul style="list-style-type: none"> <li>• categoryOfRxNLabel_Union</li> <li>• categoryOfRxNType</li> </ul> </li> </ul>																				
Used by	Element rxNCodeType/categoryOfRxN																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfRxNCode</td> <td></td> <td>optional</td> </tr> <tr> <td>codelistType</td> <td>codelistTypeType</td> <td>openEnumeration</td> <td>optional</td> </tr> <tr> <td>otherValue</td> <td>extraValueType</td> <td></td> <td>optional</td> </tr> <tr> <td colspan="4">Only if an "extra" value is encoded</td></tr> </tbody> </table>	QName	Type	Fixed	Use	code	categoryOfRxNCode		optional	codelistType	codelistTypeType	openEnumeration	optional	otherValue	extraValueType		optional	Only if an "extra" value is encoded			
QName	Type	Fixed	Use																		
code	categoryOfRxNCode		optional																		
codelistType	codelistTypeType	openEnumeration	optional																		
otherValue	extraValueType		optional																		
Only if an "extra" value is encoded																					

### Complex Type rxNCode\_categoryOfRxNType

Namespace	http://www.ihc.int/S122/2.0								
Annotations	Restricted values of categoryOfRxN in rxNCode								
Diagram	<pre> classDiagram     rxNCode_categoryOfRxNType &lt; -- rxNCode_categoryOfRxNLabel     rxNCode_categoryOfRxNType {         &lt;&lt;Restricted values of categoryOfRxN in rxNCode&gt;&gt;         &lt;&lt;Restricted values of rxNCode/categoryOfRxN&gt;&gt;         &lt;&lt;Only if an "extra" value is encoded&gt;&gt;         @Attributes             @code : rxNCode_categoryOfRxNCode     }   </pre>								
Type	extension of rxNCode_categoryOfRxNLabel								
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string           <ul style="list-style-type: none"> <li>• rxNCode_categoryOfRxNLabel</li> <li>• rxNCode_categoryOfRxNType</li> </ul> </li> </ul>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>rxNCode_categoryOfRxNCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	rxNCode_categoryOfRxNCode	required		
QName	Type	Use							
code	rxNCode_categoryOfRxNCode	required							

### Complex Type categoryOfVesselType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	Classification of vessels by function or use.		

Diagram illustrating the structure of the `categoryOfVesselLabel_Union` type.

```

classDiagram
    categoryOfVesselLabel_Union <|-- categoryOfVesselType
    categoryOfVesselLabel_Union {
        <<Union type for labels corresponding to extra codelist values.>>
        <<Classification of vessels by function or use.>>
        Attributes
            @ code : categoryOfVesselCode
            @ codelistType : codelistTypeType
            Fixed openEnumeration
            @ otherValue : extraValueType
            Only if an "extra" value is encoded
    }

```

**Type:** extension of `categoryOfVesselLabel_Union`

**Type hierarchy:**

- `xs:anySimpleType`
  - `categoryOfVesselLabel_Union`
  - `categoryOfVesselType`

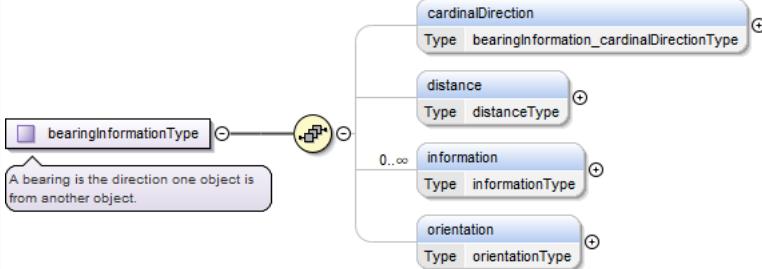
Attributes	QName	Type	Fixed	Use
	<b>code</b>	<code>categoryOfVesselCode</code>		optional
	<b>codelistType</b>	<code>codelistTypeType</code>	openEnumeration	optional
	<b>otherValue</b>	<code>extraValueType</code>		optional
			Only if an "extra" value is encoded	

### **Complex Type Applicability\_categoryOfVesselType**

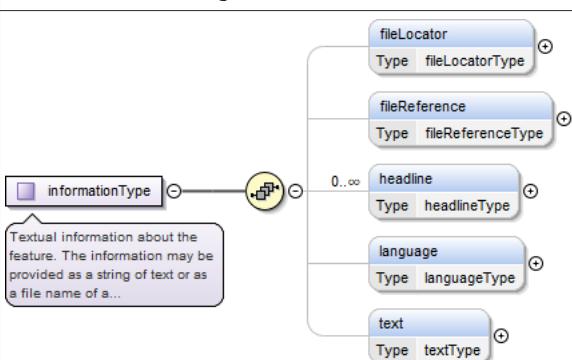
Namespace	http://www.ihc.int/S122/2.0						
Annotations	Restricted values of categoryOfVessel in Applicability						
Diagram	<pre> classDiagram     class Applicability_categoryOfVesselType {         &lt;&lt;Base Type&gt;&gt;         &lt;&lt;categoryOfVesselLabel_Union&gt;&gt;     }     class categoryOfVesselLabel_Union {         &lt;&lt;Union type for labels corresponding to extra codelist values.&gt;&gt;     }     class Applicability_categoryOfVesselCode {         &lt;&lt;@ code&gt;&gt;         &lt;&lt;Type&gt;&gt;     }     Applicability_categoryOfVesselType "1" -- "1" categoryOfVesselLabel_Union     categoryOfVesselLabel_Union "1" -- "1" Applicability_categoryOfVesselCode   </pre>						
Type	extension of categoryOfVesselLabel_Union						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:anySimpleType           <ul style="list-style-type: none"> <li>• categoryOfVesselLabel_Union</li> <li>• Applicability_categoryOfVesselType</li> </ul> </li> </ul>						
Used by	Element ApplicabilityType/categoryOfVessel						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Applicability_categoryOfVesselCode</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfVesselCode	optional
QName	Type	Use					
code	Applicability_categoryOfVesselCode	optional					

#### **Complex Type bearingInformationType**

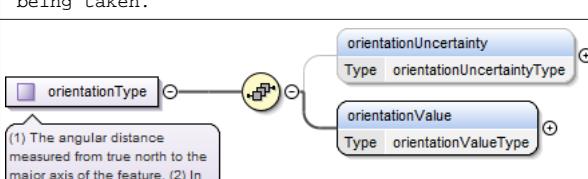
Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	A bearing is the direction one object is from another object.

Diagram	
Used by	Element graphicType/bearingInformation
Model	cardinalDirection{0,1} , distance{0,1} , information* , orientation{0,1}

### Complex Type informationType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Textual information about the feature. The information may be provided as a string of text or as a file name of a single external text file that contains the text.
Diagram	
Used by	Elements ApplicabilityType/information, ContactDetailsType/information, NonStandardWorkingDayType/information, QualityOfNonBathymetricData-Type/information, ServiceHoursType/information, bearingInformationType/information, textContentType/information
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

### Complex Type orientationType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	(1) The angular distance measured from true north to the major axis of the feature. (2) In ECDIS, the mode in which information on the ECDIS is being presented. Typical modes include: north-up - as shown on a nautical chart, north is at the top of the display; Ships head-up - based on the actual heading of the ship, (e.g. Ships gyrocompass); course-up display - based on the course or route being taken.
Diagram	
Used by	Element bearingInformationType/orientation
Model	orientationUncertainty{0,1} , orientationValue

### Complex Type contactAddressType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Direction or superscription of a letter, package, etc., specifying the name of the place to which it is directed, and optionally a contact person or organisation who should receive it.

Diagram	
Used by	Element ContactDetailsType/contactAddress
Model	deliveryPoint{0,1} , cityName{0,1} , administrativeDivision{0,1} , countryName{0,1} , postalCode{0,1}

### Complex Type designationType

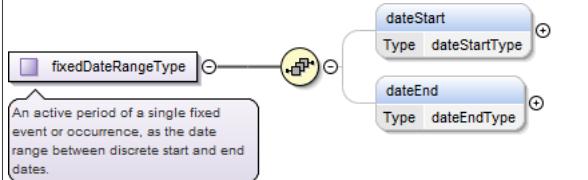
Namespace	http://www.ihc.int/S122/2.0
Annotations	An official name, title or description. This can be an identifier or an identifier which is an instance of a named designation scheme.
Diagram	
Used by	Element MarineProtectedAreaType/designation
Model	designationScheme{0,1} , designationIdentifier{0,1} , jurisdiction{0,1} , text{0,1}

### Complex Type featureNameType

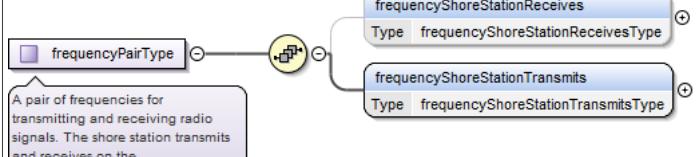
Namespace	http://www.ihc.int/S122/2.0
Annotations	Provides the name of an entity, defines the national language of the name, and provides the option to display the name at various system display settings.
Diagram	
Used by	Elements FeatureTypeType/featureName, InformationTypeType/featureName, sourceIndicationType/featureName
Model	language , name , nameUsage{0,1}

### Complex Type fixedDateRangeType

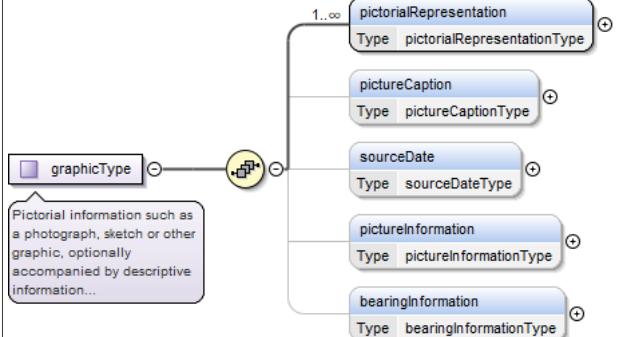
Namespace	http://www.ihc.int/S122/2.0
Annotations	An active period of a single fixed event or occurrence, as the date range between discrete start and end dates.

Diagram	
Used by	Elements      FeatureTypeType/fixedDateRange, InformationTypeType/fixedDateRange, spatialAccuracyType/fixedDateRange
Model	dateStart{0,1} , dateEnd{0,1}

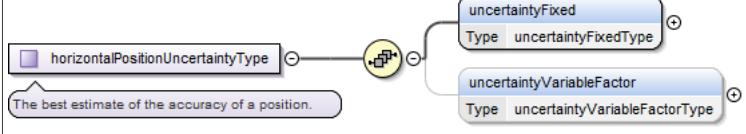
### Complex Type frequencyPairType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	A pair of frequencies for transmitting and receiving radio signals. The shore station transmits and receives on the frequencies indicated.
Diagram	
Used by	Element      ContactDetailsType/frequencyPair
Model	frequencyShoreStationReceives{0,1} , frequencyShoreStationTransmits

### Complex Type graphicType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Pictorial information such as a photograph, sketch or other graphic, optionally accompanied by descriptive information about the graphic and the location relative to its subject from which it was made.
Diagram	
Used by	Elements      FeatureTypeType/graphic, InformationTypeType/graphic
Model	pictorialRepresentation+ , pictureCaption{0,1} , sourceDate{0,1} , pictureInformation{0,1} , bearingInformation{0,1}

### Complex Type horizontalPositionUncertaintyType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	The best estimate of the accuracy of a position.
Diagram	
Used by	Elements      QualityOfNonBathymetricDataType/horizontalPositionUncertainty, spatialAccuracyType/horizontalPositionUncertainty

Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}
-------	---

### Complex Type onlineResourceType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Information about online sources from which a resource or data can be obtained.
Diagram	<pre> classDiagram     class onlineResourceType {         &lt;&lt;Information about online sources from which a resource or data can be obtained.&gt;&gt;     }     class linkage {         Type linkageType     }     class protocol {         Type protocolType     }     class applicationProfile {         Type applicationProfileType     }     class nameOfResource {         Type nameOfResourceType     }     class onlineResourceDescription {         Type onlineResourceDescriptionType     }     class protocolRequest {         Type protocolRequestType     }     class onlineFunction {         Type onlineResource_onlineFunctionType     }      onlineResourceType &lt; -- ContactDetailsType/onlineResource     onlineResourceType "0..1" --&gt; linkage : linkage     onlineResourceType "0..1" --&gt; protocol : protocol     onlineResourceType "0..1" --&gt; applicationProfile : applicationProfile     onlineResourceType "0..1" --&gt; nameOfResource : nameOfResource     onlineResourceType "0..1" --&gt; onlineResourceDescription : onlineResourceDescription     onlineResourceType "0..1" --&gt; protocolRequest : protocolRequest     onlineResourceType "0..1" --&gt; onlineFunction : onlineFunction   </pre>
Used by	ContactDetailsType/onlineResource, textContentType/onlineResource
Model	linkage , protocol{0,1} , applicationProfile{0,1} , nameOfResource{0,1} , onlineResourceDescription{0,1} , protocolRequest{0,1} , onlineFunction{0,1}

### Complex Type periodicDateRangeType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	The active period of a recurring event or occurrence.
Diagram	<pre> classDiagram     class periodicDateRangeType {         &lt;&lt;The active period of a recurring event or occurrence.&gt;&gt;     }     class dateStart {         Type dateStartType     }     class dateEnd {         Type dateEndType     }      periodicDateRangeType &lt; -- FeatureType/periodicDateRange     periodicDateRangeType &lt; -- InformationType/periodicDateRange     periodicDateRangeType "0..1" --&gt; dateStart : dateStart     periodicDateRangeType "0..1" --&gt; dateEnd : dateEnd   </pre>
Used by	FeatureType/periodicDateRange, InformationType/periodicDateRange
Model	dateStart , dateEnd

### Complex Type rxNCodeType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on a vessel.
Diagram	<pre> classDiagram     class rxNCodeType {         &lt;&lt;A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on...&gt;&gt;     }     class categoryOfRxN {         Type categoryOfRxNType     }     class actionOrActivity {         Type actionOrActivityType     }     class headline {         Type headlineType     }      rxNCodeType &lt; -- AbstractRxNType/rxNCode     rxNCodeType "0..1" --&gt; categoryOfRxN : categoryOfRxN     rxNCodeType "0..1" --&gt; actionOrActivity : actionOrActivity     rxNCodeType "0..1" --&gt; headline : headline   </pre>
Used by	AbstractRxNType/rxNCode, FeatureType/rxNCode
Model	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline{0,1}

### Complex Type scheduleByDayOfWeekType

Namespace	http://www.ihodata.org/S122/2.0
-----------	---------------------------------

Annotations	The nature and timings of a daily schedule by days of the week.
Diagram	<pre> classDiagram     class scheduleByDayOfWeekType {         &lt;&lt;The nature and timings of a daily schedule by days of the week.&gt;&gt;     }     class categoryOfSchedule {         &lt;&lt;Type scheduleByDayOfWeek_categoryOfSchedule ...&gt;&gt;     }     class text {         &lt;&lt;Type textType&gt;&gt;     }     class timeIntervalsByDayOfWeek {         &lt;&lt;Type timeIntervalsByDayOfWeekType&gt;&gt;     }      scheduleByDayOfWeekType "1..oo" -- "1..oo" categoryOfSchedule : categoryOfSchedule     scheduleByDayOfWeekType "1..oo" -- "1..oo" text : text     scheduleByDayOfWeekType "1..oo" -- "1..oo" timeIntervalsByDayOfWeek : timeIntervalsByDayOfWeek   </pre>
Used by	Element ServiceHoursType/scheduleByDayOfWeek
Model	categoryOfSchedule{0,1} , text{0,1} , timeIntervalsByDayOfWeek+

### Complex Type timeIntervalsByDayOfWeekType

Namespace	http://www.ihodata.com/S122/2.0
Annotations	The regular weekly operation times of a service or schedule.
Diagram	<pre> classDiagram     class timeIntervalsByDayOfWeekType {         &lt;&lt;The regular weekly operation times of a service or schedule.&gt;&gt;     }     class dayOfWeek {         &lt;&lt;Type timeIntervalsByDayOfWeek_dayOfWeekType&gt;&gt;     }     class dayOfWeekIsRange {         &lt;&lt;Type dayOfWeekIsRangeType&gt;&gt;     }     class timeOfDayStart {         &lt;&lt;Type timeOfDayStartType&gt;&gt;     }     class timeOfDayEnd {         &lt;&lt;Type timeOfDayEndType&gt;&gt;     }      timeIntervalsByDayOfWeekType "0..7" -- "0..7" dayOfWeek : dayOfWeek     timeIntervalsByDayOfWeekType "0..1" -- "0..1" dayOfWeekIsRange : dayOfWeekIsRange     timeIntervalsByDayOfWeekType "0..oo" -- "0..oo" timeOfDayStart : timeOfDayStart     timeIntervalsByDayOfWeekType "0..oo" -- "0..oo" timeOfDayEnd : timeOfDayEnd   </pre>
Used by	Element scheduleByDayOfWeekType/timeIntervalsByDayOfWeek
Model	dayOfWeek{0,7} , dayOfWeekIsRange{0,1} , timeOfDayStart* , timeOfDayEnd*

### Complex Type spatialAccuracyType

Namespace	http://www.ihodata.com/S122/2.0
Annotations	Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a specified date range.
Diagram	<pre> classDiagram     class spatialAccuracyType {         &lt;&lt;Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a...&gt;&gt;     }     class fixedDateRange {         &lt;&lt;Type fixedDateRangeType&gt;&gt;     }     class horizontalPositionUncertainty {         &lt;&lt;Type horizontalPositionUncertaintyType&gt;&gt;     }     class verticalUncertainty {         &lt;&lt;Type verticalUncertaintyType&gt;&gt;     }      spatialAccuracyType "0..1" -- "0..1" fixedDateRange : fixedDateRange     spatialAccuracyType "0..1" -- "0..1" horizontalPositionUncertainty : horizontalPositionUncertainty     spatialAccuracyType "0..1" -- "0..1" verticalUncertainty : verticalUncertainty   </pre>
Used by	Element SpatialQualityType/spatialAccuracy
Model	fixedDateRange{0,1} , horizontalPositionUncertainty{0,1} , verticalUncertainty{0,1}

### Complex Type verticalUncertaintyType

Namespace	http://www.ihodata.com/S122/2.0
Annotations	The best estimate of the vertical accuracy of depths, heights, vertical distances and vertical clearances.
Diagram	<pre> classDiagram     class verticalUncertaintyType {         &lt;&lt;The best estimate of the vertical accuracy of depths, heights, vertical distances and vertical clearances.&gt;&gt;     }     class uncertaintyFixed {         &lt;&lt;Type uncertaintyFixedType&gt;&gt;     }     class uncertaintyVariableFactor {         &lt;&lt;Type uncertaintyVariableFactorType&gt;&gt;     }      verticalUncertaintyType "0..1" -- "0..1" uncertaintyFixed : uncertaintyFixed     verticalUncertaintyType "0..1" -- "0..1" uncertaintyVariableFactor : uncertaintyVariableFactor   </pre>
Used by	Element spatialAccuracyType/verticalUncertainty

Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}
-------	---

### Complex Type sourceIndicationType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Information about the source document, publication, or reference from which object data or textual material included or referenced in a dataset are derived.
Diagram	<pre> classDiagram     class sourceIndicationType {         categoryOfAuthority : sourceIndication_categoryOfAuthorityType         countryName : countryNameType         source : sourceType         sourceType : sourceIndication_sourceTypeType         reportedDate : reportedDateType         &lt;&lt;0..oo&gt;&gt; featureName : featureNameType     }   </pre>
Used by	Elements FeatureTypeType/sourceIndication, InformationTypeType/sourceIndication, QualityOfNonBathymetricDataType/sourceIndication, textContentType/sourceIndication
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*

### Complex Type surveyDateRangeType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	The complex attribute describes the period of the hydrographic survey, as the time between its sub-attributes.
Diagram	<pre> classDiagram     class surveyDateRangeType {         dateStart : dateStartType         dateEnd : dateEndType     }   </pre>
Used by	Element QualityOfNonBathymetricDataType/surveyDateRange
Model	dateStart{0,1} , dateEnd

### Complex Type telecommunicationsType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	A means or channel of communicating at a distance by electrical or electromagnetic means such as telegraphy, telephony, or broadcasting.
Diagram	<pre> classDiagram     class telecommunicationsType {         categoryOfCommunicationPreference : telecommunications_categoryOfCommunicationPreferenceType         telecommunicationIdentifier : telecommunicationIdentifierType         telecommunicationCarrier : telecommunicationCarrierType         contactInstructions : contactInstructionsType         &lt;&lt;0..oo&gt;&gt; telecommunicationService : telecommunications_telecommunicationServiceType     }   </pre>
Used by	Element ContactDetailsType/telecommunications

Model	categoryOfCommunicationPreference{0,1} , telecommunicationIdentifier , telecommunicationCarrier{0,1} , contactInstructions{0,1} , telecommunicationService*
-------	---

### Complex Type **textContentType**

Namespace	http://www.ihc.int/S122/2.0
Annotations	Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about its source and relationship to the source.
Diagram	<pre> classDiagram     class textContentType     class categoryOfText {         &lt;&lt;Type: textContent_categoryOfTextType&gt;&gt;     }     class information {         &lt;&lt;Type: informationType&gt;&gt;     }     class onlineResource {         &lt;&lt;Type: onlineResourceType&gt;&gt;     }     class sourceIndication {         &lt;&lt;Type: sourceIndicationType&gt;&gt;     }      textContentType "0..oo" --&gt; categoryOfText : categoryOfText     textContentType "0..oo" --&gt; information : information     textContentType "0..oo" --&gt; onlineResource : onlineResource     textContentType "0..oo" --&gt; sourceIndication : sourceIndication   </pre>
Used by	Elements AbstractRxNType/textContent, AuthorityType/textContent, FeatureTypeType/textContent
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*

### Complex Type **vesselMeasurementsSpecificationType**

Namespace	http://www.ihc.int/S122/2.0
Annotations	Combinations of values of measurable characteristics or dimensions of vessels, used to specify size and tonnage ranges.
Diagram	<pre> classDiagram     class vesselMeasurementsSpecificationType     class comparisonOperator {         &lt;&lt;Type: vesselMeasurementsSpecification_comp ...&gt;&gt;     }     class vesselsCharacteristics {         &lt;&lt;Type: vesselMeasurementsSpecification_vess ...&gt;&gt;     }     class vesselsCharacteristicsValue {         &lt;&lt;Type: vesselMeasurementsSpecification_vess ...&gt;&gt;     }     class vesselsCharacteristicsUnit {         &lt;&lt;Type: vesselMeasurementsSpecification_vess ...&gt;&gt;     }      vesselMeasurementsSpecificationType "0..oo" --&gt; comparisonOperator : comparisonOperator     vesselMeasurementsSpecificationType "0..oo" --&gt; vesselsCharacteristics : vesselsCharacteristics     vesselMeasurementsSpecificationType "0..oo" --&gt; vesselsCharacteristicsValue : vesselsCharacteristicsValue     vesselMeasurementsSpecificationType "0..oo" --&gt; vesselsCharacteristicsUnit : vesselsCharacteristicsUnit   </pre>
Used by	Element ApplicabilityType/vesselMeasurementsSpecification
Model	comparisonOperator , vesselsCharacteristics , vesselsCharacteristicsValue , vesselsCharacteristicsUnit

### Complex Type **InformationTypeType**

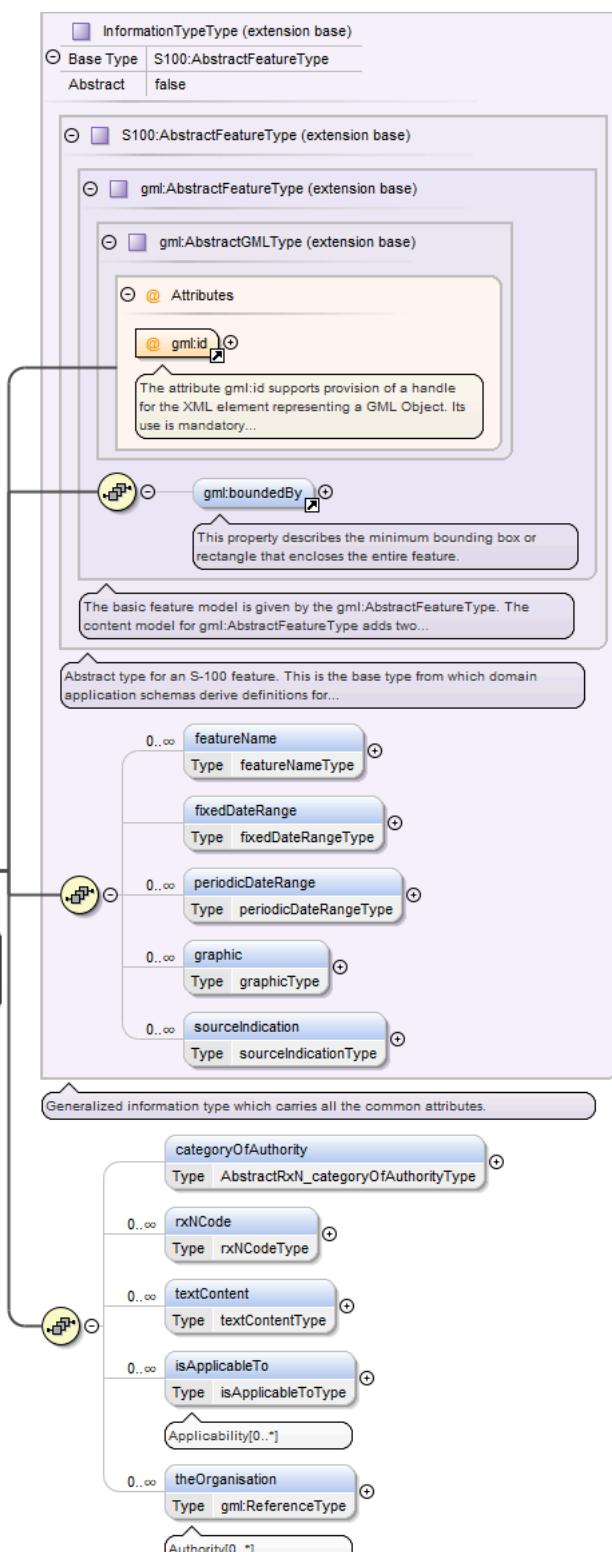
Namespace	http://www.ihc.int/S122/2.0
Annotations	Generalized information type which carries all the common attributes.

Diagram										
Type	extension of AbstractFeatureType									
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• InformationTypeType</li> </ul>									
Properties	abstract: false									
Used by	Complex Types      AbstractRxNType, ApplicabilityType, AuthorityType, ContactDetailsType, NonStandardWorkingDayType, ServiceHoursType									
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication*									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><b>gml:id</b></td><td>ID</td><td>required</td></tr> <tr> <td></td><td colspan="2">The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</td></tr> </tbody> </table>	QName	Type	Use	<b>gml:id</b>	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use								
<b>gml:id</b>	ID	required								
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.									

## Complex Type AbstractRxNType

Namespace	http://www.ihc.int/S122/2.0
Annotations	An abstract superclass for information types that encode rules, recommendations, and general information in text or graphic form.

Diagram



Type	extension of InformationTypeType
------	----------------------------------

Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType</li> <li>gml:AbstractFeatureType</li> <li>AbstractFeatureType</li> <li>InformationTypeType</li> <li>AbstractRxNType</li> </ul>
----------------	---

Properties	abstract: false		
Used by	Complex Types NauticalInformationType, RecommendationsType, RegulationsType, RestrictionsType		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*		
Attributes	<b>QName</b> <b>gml:id</b>	<b>Type</b> ID	<b>Use</b> required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

## Complex Type isApplicableToType

Namespace	http://www.ihc.int/S122/2.0				
Annotations	The object or class of objects to which the regulation, restriction, recommendation, or nautical information applies				
Diagram	<pre> classDiagram     class isApplicableToType {         &lt;&lt;Base Type gml:ReferenceType&gt;&gt;         "The object or class of objects to which the regulation, restriction, recommendation, or nautical information applies"     }     class gmlReferenceType {         &lt;&lt;extension base&gt;&gt;         "gml:ReferenceType (extension base)"         class Attributes {             gmlOwnershipAttributeGroup             gmlAssociationAttributeGroup         }         "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."     }     isApplicableToType --&gt; gmlReferenceType     isApplicableToType &lt; -- gmlReferenceType     isApplicableToType --&gt; gmlOwnershipAttributeGroup     isApplicableToType --&gt; gmlAssociationAttributeGroup     gmlReferenceType --&gt; InclusionType     gmlReferenceType --&gt; InclusionType   </pre>				
Type	extension of gml:ReferenceType				
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:ReferenceType <ul style="list-style-type: none"> <li>• isApplicableToType</li> </ul> </li> </ul>				
Used by	Element AbstractRxNType/isApplicableTo				
Model	InclusionType				
Attributes	<b>QName</b> <b>nilReason</b> <b>owns</b> <b>xlink:actuate</b> <b>xlink:arcrole</b> <b>xlink:href</b> <b>xlink:role</b> <b>xlink:show</b> <b>xlink:title</b> <b>xlink:type</b>	<b>Type</b> gml:NilReasonType boolean xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	<b>Fixed</b>         simple	<b>Default</b>         optional	<b>Use</b> optional optional optional optional optional optional optional optional optional

## Complex Type InclusionTypeType

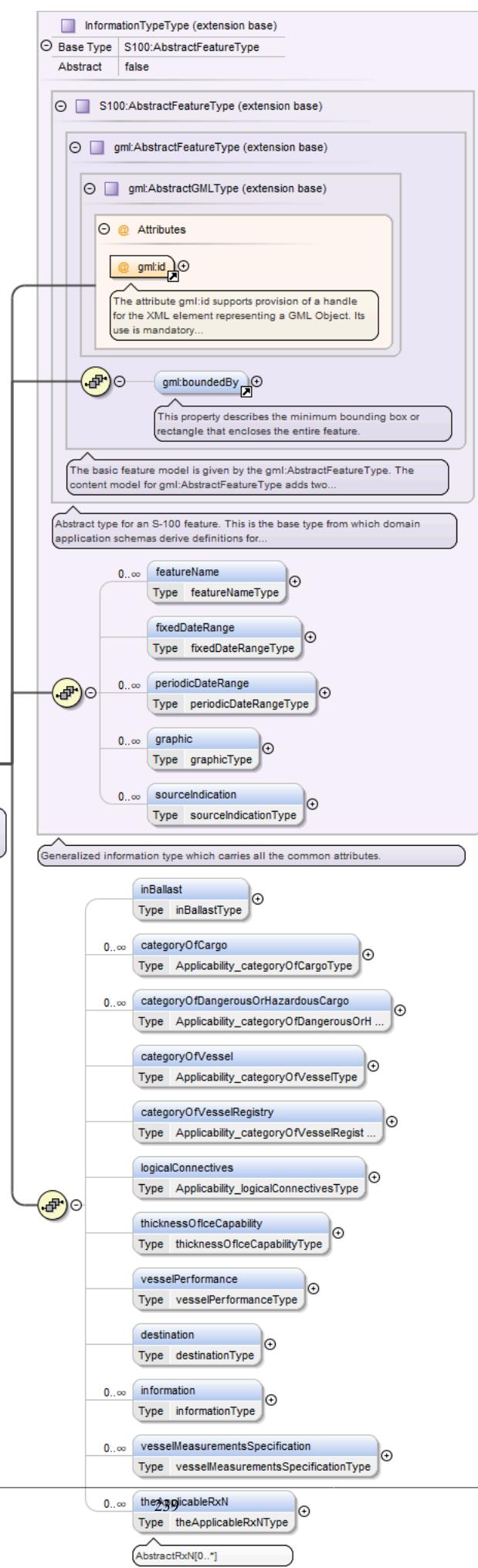
Namespace	http://www.ihc.int/S122/2.0		
-----------	-----------------------------	--	--

Annotations	Association class specifying the relationship between the subset of vessels described by an APPLIC data object and a regulation (restriction, recommendation, or nautical information).						
Diagram	<pre> classDiagram     class InclusionTypeType {         &lt;&lt;Association class specifying the relationship between the subset of vessels described by an APPLIC data object and a regulation (restriction, recommendation, or nautical information).&gt;&gt;     }     class Attributes {         &lt;&lt;@ Attributes&lt;/i&gt;     }     class gml:id {         &lt;&lt;@ gml:id&lt;/i&gt;     }     class membership {         &lt;&lt;membership&lt;/i&gt;     }     class membershipType {         &lt;&lt;Type membershipType&lt;/i&gt;     }      InclusionTypeType "1" -- "*" Attributes : &lt;&lt;@ Attributes&lt;/i&gt;     InclusionTypeType "*" -- "1" gml:id : &lt;&lt;@ gml:id&lt;/i&gt;     InclusionTypeType "*" -- "1" membership : &lt;&lt;membership&lt;/i&gt;     InclusionTypeType "*" -- "1" membershipType : &lt;&lt;Type membershipType&lt;/i&gt;   </pre> <p>The diagram shows the UML Class Diagram for the <code>InclusionTypeType</code> class. It has three associations: one to the <code>Attributes</code> class (multiplicity 1..* at <code>InclusionTypeType</code>), one to the <code>gml:id</code> class (multiplicity *..1 at <code>InclusionTypeType</code>), and two to the <code>membership</code> class (multiplicity *..1 at <code>InclusionTypeType</code>).</p>						
Used by	Elements isApplicableToType/InclusionType, theApplicableRxNType/InclusionType						
Model	membership						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>optional</td> </tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<code>gml:id</code>	ID	optional
QName	Type	Use					
<code>gml:id</code>	ID	optional					

## Complex Type ApplicabilityType

Namespace	<a href="http://www.ihoint/S122/2.0">http://www.ihoint/S122/2.0</a>
Annotations	Describes the relationship between vessel characteristics and: (i) the applicability of an associated information object or feature to the vessel; or, (ii) the use of a facility, place, or service by the vessel; or, (iii) passage of the vessel through an area.

Diagram



Type	extension of InformationTypeType											
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType</li> <li>• InformationTypeType</li> <li>• ApplicabilityType</li> </ul> </li> </ul>											
Properties	abstract: false											
Used by	Element Applicability											
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , inBallast{0,1} , categoryOfCargo* , categoryOfDangerousOrHazardousCargo* , categoryOfVessel{0,1} , categoryOfVesselRegistry{0,1} , logicalConnectives{0,1} , thicknessOfIceCapability{0,1} , vesselPerformance{0,1} , destination{0,1} , information* , vesselMeasurementsSpecification* , theApplicableRxN*											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		
QName	Type	Use										
gml:id	ID	required										

## Complex Type theApplicableRxNType

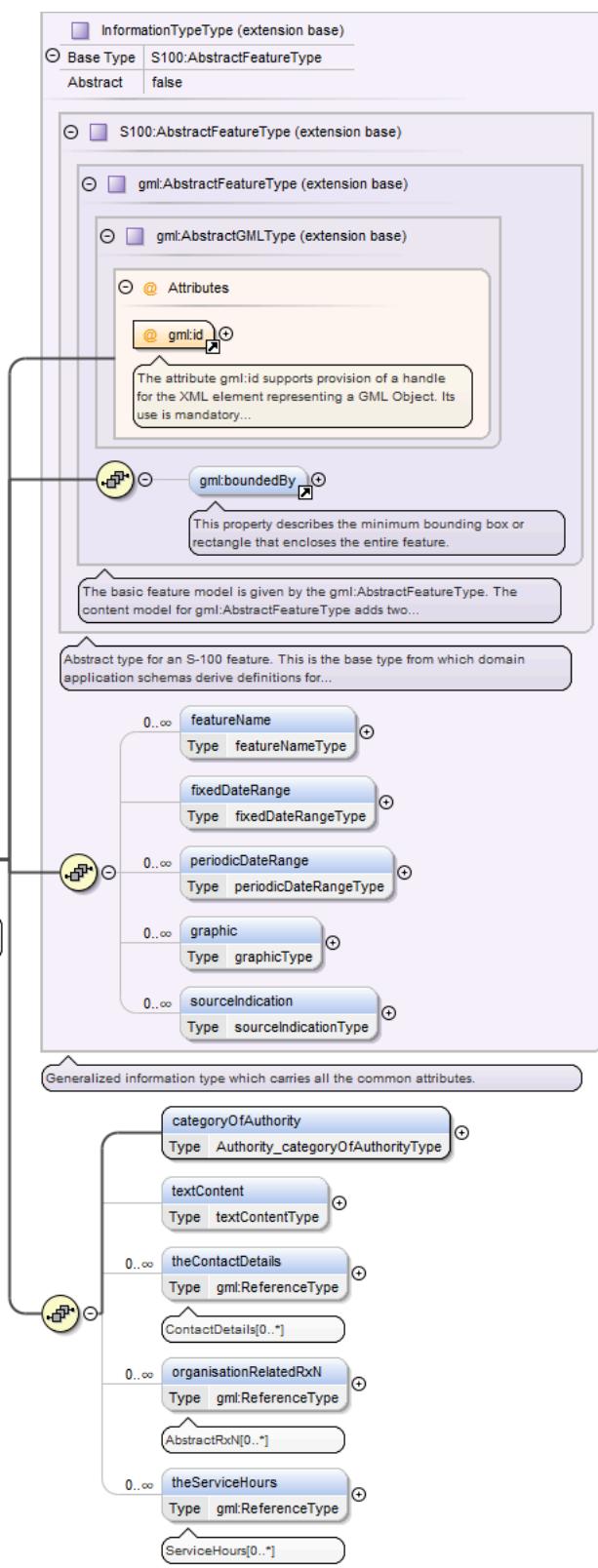
Namespace	http://www.ihc.int/S122/2.0																									
Annotations	The applicable regulation, restriction, recommendation or nautical information																									
Diagram	<pre> classDiagram     class theApplicableRxNType {         &lt;&lt;Base Type gml:ReferenceType&gt;&gt;         &lt;&lt;The applicable regulation, restriction, recommendation or nautical information&gt;&gt;     }     class gml {         class ReferenceType {             &lt;&lt;extension base&gt;&gt;             &lt;&lt;Attributes&gt;&gt;             &lt;&lt;gml:OwnershipAttributeGroup&gt;&gt;             &lt;&lt;gml:AssociationAttributeGroup&gt;&gt;         }     }     theApplicableRxNType &lt; -- gml:ReferenceType     gml:ReferenceType --&gt; "2..3" InclusionType     gml:ReferenceType --&gt; "2..3" InclusionType   </pre> <p>The applicable regulation, restriction, recommendation or nautical information</p> <p>gml:ReferenceType (extension base)</p> <p>Attributes</p> <p>gml:OwnershipAttributeGroup</p> <p>gml:AssociationAttributeGroup</p> <p>InclusionType</p> <p>InclusionType</p>																									
Type	extension of gml:ReferenceType																									
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:ReferenceType           <ul style="list-style-type: none"> <li>• theApplicableRxNType</li> </ul> </li> </ul>																									
Used by	Element ApplicabilityType/theApplicableRxN																									
Model	InclusionType																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional
QName	Type	Fixed	Default	Use																						
nilReason	gml:NilReasonType			optional																						
owns	boolean		false	optional																						
xlink:actuate	xlink:actuateType			optional																						
xlink:arcrole	xlink:arcroleType			optional																						

QName	Type	Fixed	Default	Use
xlink:href	xlink:hrefType			optional
xlink:role	xlink:roleType			optional
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

### Complex Type AuthorityType

Namespace	http://www.aho.int/S122/2.0
Annotations	A person or organisation having political or administrative power and control.

Diagram



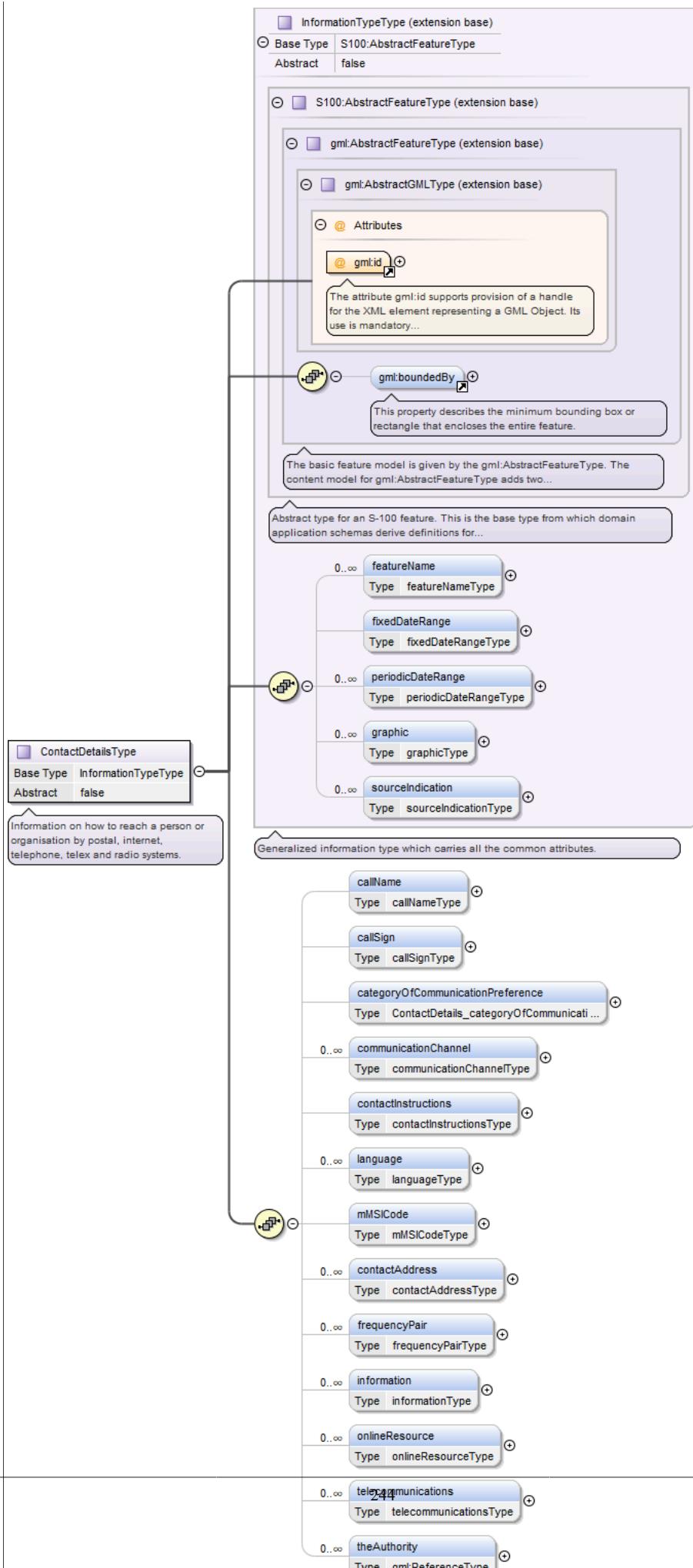
Type	extension of <code>InformationTypeType</code>
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> </ul>

		• AuthorityType									
Properties	abstract:	false									
Used by	Element	Authority									
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority , textContent{0,1} , theContactDetails* , organisationRelatedRxN* , theServiceHours*										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	
QName	Type	Use									
gml:id	ID	required									

### Complex Type ContactDetailsType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Information on how to reach a person or organisation by postal, internet, telephone, telex and radio systems.

### Diagram



Type	extension of InformationTypeType		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType           <ul style="list-style-type: none"> <li>• AbstractFeatureType</li> <li>• InformationTypeType</li> <li>• ContactDetailsType</li> </ul> </li> </ul>		
Properties	abstract: false		
Used by	Element ContactDetails		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , callName{0,1} , callSign{0,1} , categoryOfCommunicationPreference{0,1} , communicationChannel* , contactInstructions{0,1} , language* , mMSICode{0,1} , contactAddress* , frequencyPair* , information* , onlineResource* , telecommunications* , theAuthority*		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
		ID	required
		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	

### Complex Type NauticalInformationType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Nautical information about a related area or facility.

Diagram

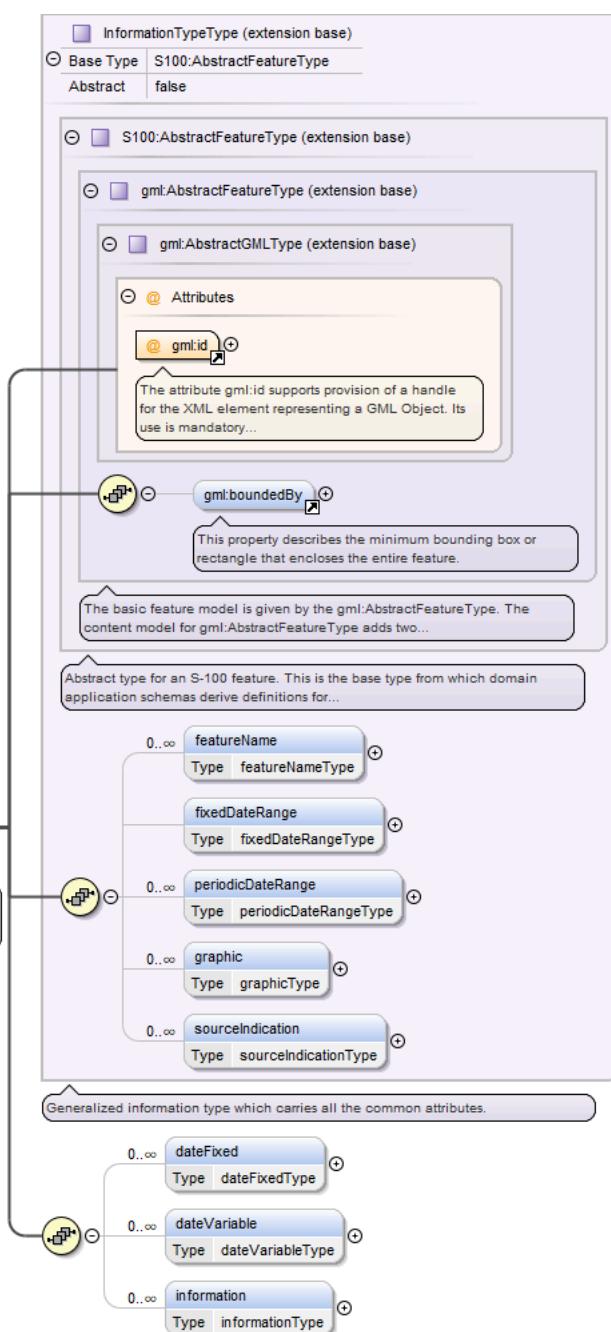
	<pre> classDiagram     class AbstractRxNType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;Base Type&gt;&gt; InformationTypeType         &lt;&lt;Abstract&gt;&gt; false     }     class InformationTypeType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;Base Type&gt;&gt; S100:AbstractFeatureType         &lt;&lt;Abstract&gt;&gt; false     }     class S100:AbstractFeatureType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;gml:AbstractFeatureType&gt;&gt; (extension base)         &lt;&lt;gml:AbstractGMLType&gt;&gt; (extension base)         &lt;&lt;Attributes&gt;&gt;             &lt;&lt;@ gml:id&gt;&gt;                 The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...             &lt;&lt;gmt:boundedBy&gt;&gt;                 This property describes the minimum bounding box or rectangle that encloses the entire feature.             &lt;&lt;The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...&gt;&gt;             &lt;&lt;Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...&gt;&gt;         &lt;&lt;featureName&gt;&gt; 0..oo         &lt;&lt;fixedDateRange&gt;&gt; 0..oo         &lt;&lt;periodicDateRange&gt;&gt; 0..oo         &lt;&lt;graphic&gt;&gt; 0..oo         &lt;&lt;sourcelnformation&gt;&gt; 0..oo     }     class gml:AbstractFeatureType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;gml:AbstractGMLType&gt;&gt; (extension base)         &lt;&lt;Attributes&gt;&gt;             &lt;&lt;@ gml:id&gt;&gt;                 The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...             &lt;&lt;gmt:boundedBy&gt;&gt;                 This property describes the minimum bounding box or rectangle that encloses the entire feature.             &lt;&lt;The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...&gt;&gt;             &lt;&lt;Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...&gt;&gt;         &lt;&lt;featureName&gt;&gt; 0..oo         &lt;&lt;fixedDateRange&gt;&gt; 0..oo         &lt;&lt;periodicDateRange&gt;&gt; 0..oo         &lt;&lt;graphic&gt;&gt; 0..oo         &lt;&lt;sourcelnformation&gt;&gt; 0..oo     }     class NauticalInformationType {         &lt;&lt;Base Type&gt;&gt; AbstractRxNType         &lt;&lt;Abstract&gt;&gt; false     }     class AbstractRxNType {         &lt;&lt;Generalized information type which carries all the common attributes.&gt;&gt;         &lt;&lt;categoryOfAuthority&gt;&gt; 0..oo         &lt;&lt;rxNCode&gt;&gt; 0..oo         &lt;&lt;textContent&gt;&gt; 0..oo         &lt;&lt;isApplicableTo&gt;&gt; 0..oo         &lt;&lt;theOrganisation&gt;&gt; 0..oo     } </pre>
Type	extension of AbstractRxNType

Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>AbstractRxNType</code></li> <li>• <code>NauticalInformationType</code></li> </ul>						
Properties	<code>abstract:</code> <b>false</b>						
Used by	Element <b>NauticalInformation</b>						
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority{0,1}</code> , <code>rxNCode*</code> , <code>textContent*</code> , <code>isApplicableTo*</code> , <code>theOrganisation*</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td></tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<code>gml:id</code>	ID	required
QName	Type	Use					
<code>gml:id</code>	ID	required					

### Complex Type NonStandardWorkingDayType

Namespace	<a href="http://www.ihodata.com/S122/2.0">http://www.ihodata.com/S122/2.0</a>
Annotations	Days when many services are not available. Often days of festivity or recreation or public holidays when normal working hours are limited, especially a national or religious festival, etc.

Diagram



Type	extension of <code>InformationTypeType</code>						
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>NonStandardWorkingDayType</code></li> </ul>						
Properties	abstract: false						
Used by	Element <code>NonStandardWorkingDay</code>						
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>dateFixed*</code> , <code>dateVariable*</code> , <code>information*</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	required
QName	Type	Use					
<code>gml:id</code>	ID	required					

QName	Type	Use
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.	

### Complex Type RecommendationsType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Recommendations for a related area or facility.

Diagram

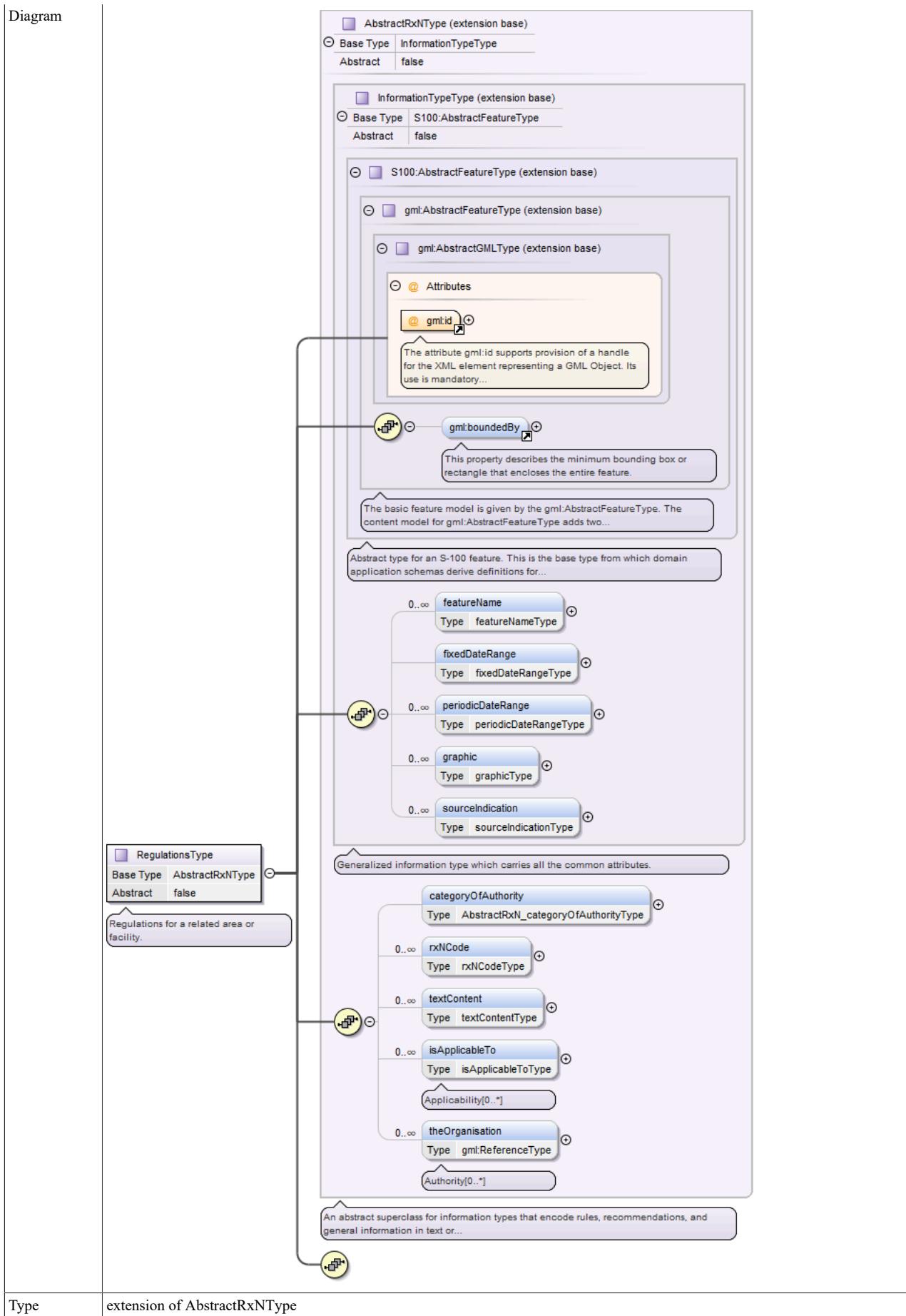
	<pre> classDiagram     class AbstractRxNType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;Base Type&gt;&gt; InformationTypeType         &lt;&lt;Abstract&gt;&gt; false     }     class InformationTypeType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;Base Type&gt;&gt; S100:AbstractFeatureType         &lt;&lt;Abstract&gt;&gt; false     }     class S100:AbstractFeatureType {         &lt;&lt;extension base&gt;&gt;         &lt;&lt;gml:AbstractFeatureType&gt;&gt; (extension base)         &lt;&lt;gml:AbstractGMLType&gt;&gt; (extension base)         &lt;&lt;Attributes&gt;&gt;             &lt;&lt;@ gml:id&gt;&gt;                 The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...             &lt;&lt;gmt:boundedBy&gt;&gt;                 This property describes the minimum bounding box or rectangle that encloses the entire feature.             &lt;&lt;The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...&gt;&gt;             &lt;&lt;Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...&gt;&gt;         &lt;&lt;featureName&gt;&gt; 0..oo         &lt;&lt;fixedDateRange&gt;&gt; 0..oo         &lt;&lt;periodicDateRange&gt;&gt; 0..oo         &lt;&lt;graphic&gt;&gt; 0..oo         &lt;&lt;sourcelnformation&gt;&gt; 0..oo     }     class RecommendationsType {         &lt;&lt;RecommendationsType&gt;&gt;         &lt;&lt;Base Type&gt;&gt; AbstractRxNType         &lt;&lt;Abstract&gt;&gt; false     }     class AbstractRxNType {         &lt;&lt;Generalized information type which carries all the common attributes.&gt;&gt;         &lt;&lt;categoryOfAuthority&gt;&gt; 0..oo         &lt;&lt;rxNCode&gt;&gt; 0..oo         &lt;&lt;textContent&gt;&gt; 0..oo         &lt;&lt;isApplicableTo&gt;&gt; 0..oo         &lt;&lt;theOrganisation&gt;&gt; 0..oo     }     class AbstractRxNType {         &lt;&lt;An abstract superclass for information types that encode rules, recommendations, and general information in text or...&gt;&gt;     } </pre>
Type	extension of AbstractRxNType

Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>AbstractRxNType</code></li> <li>• <code>RecommendationsType</code></li> </ul>						
Properties	<code>abstract:</code> <b>false</b>						
Used by	Element <b>Recommendations</b>						
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority{0,1}</code> , <code>rxNCode*</code> , <code>textContent*</code> , <code>isApplicableTo*</code> , <code>theOrganisation*</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><b>gml:id</b></td><td>ID</td><td>required</td></tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<b>gml:id</b>	ID	required
QName	Type	Use					
<b>gml:id</b>	ID	required					

## Complex Type **RegulationsType**

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	Regulations for a related area or facility.

Diagram

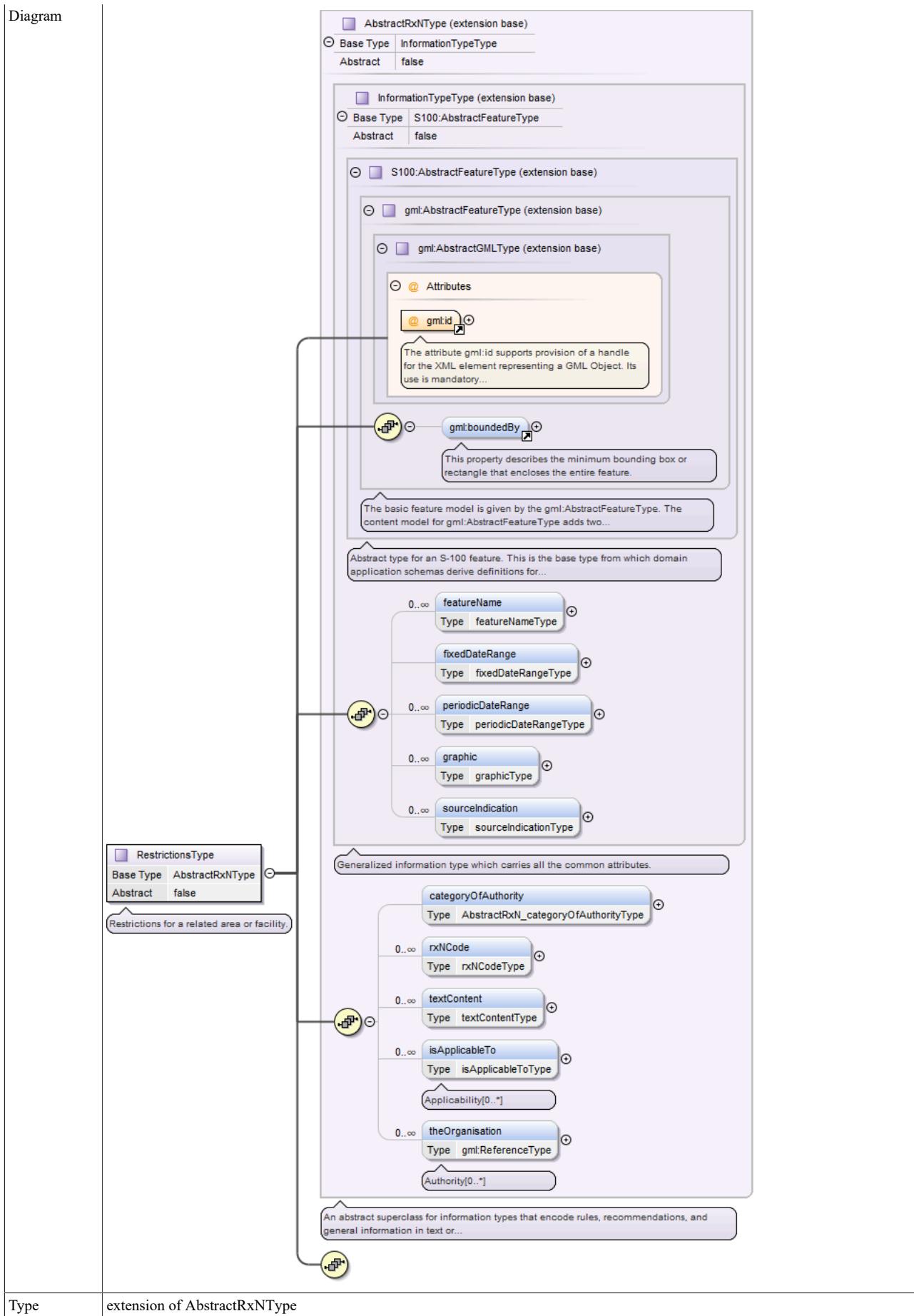


Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>AbstractRxNType</code></li> <li>• <code>RegulationsType</code></li> </ul> </li> </ul>								
Properties	<code>abstract:</code> <b>false</b>								
Used by	Element <b>Regulations</b>								
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority{0,1}</code> , <code>rxNCode*</code> , <code>textContent*</code> , <code>isApplicableTo*</code> , <code>theOrganisation*</code>								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;"><b>QName</b></th> <th style="text-align: left; padding: 2px;"><b>Type</b></th> <th style="text-align: left; padding: 2px;"><b>Use</b></th> <th style="text-align: left; padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>gml:id</b></td><td style="padding: 2px;">ID</td><td style="padding: 2px;">required</td><td style="padding: 2px;"></td></tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	<b>QName</b>	<b>Type</b>	<b>Use</b>		<b>gml:id</b>	ID	required	
<b>QName</b>	<b>Type</b>	<b>Use</b>							
<b>gml:id</b>	ID	required							

## Complex Type **RestrictionsType**

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	Restrictions for a related area or facility.

Diagram

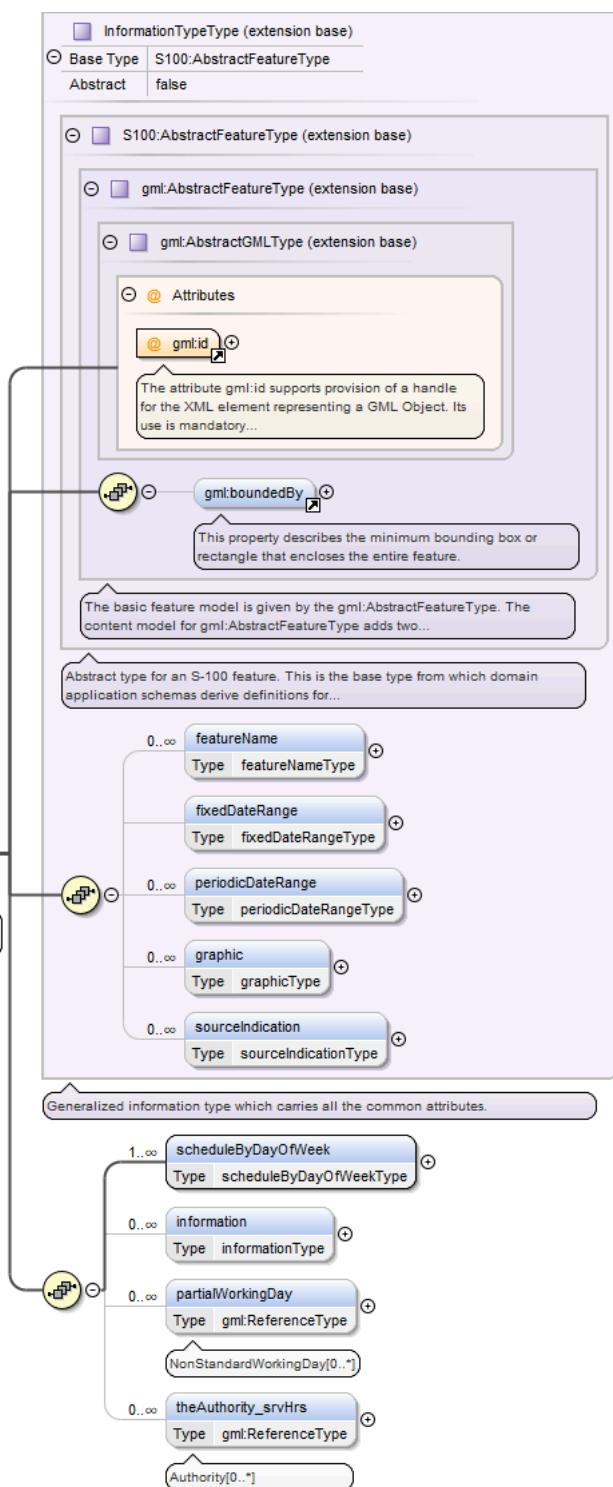


Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>InformationTypeType</code></li> <li>• <code>AbstractRxNType</code></li> <li>• <code>RestrictionsType</code></li> </ul>								
Properties	<code>abstract:</code> <b>false</b>								
Used by	Element <b>Restrictions</b>								
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority{0,1}</code> , <code>rxNCode*</code> , <code>textContent*</code> , <code>isApplicableTo*</code> , <code>theOrganisation*</code>								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">QName</th> <th style="text-align: left; width: 30%;">Type</th> <th style="text-align: left; width: 10%;">Use</th> <th style="text-align: left; width: 30%;"></th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use		<b>gml:id</b>	ID	required	
QName	Type	Use							
<b>gml:id</b>	ID	required							

### Complex Type ServiceHoursType

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	The time when a service is available and known exceptions.

Diagram



Type	extension of InformationTypeType
Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType</li> <li>gml:AbstractFeatureType</li> <li>AbstractFeatureType</li> <li>InformationTypeType</li> <li>ServiceHoursType</li> </ul>
Properties	abstract: false

Used by	Element ServiceHours		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , scheduleBy-DayOfWeek+ , information* , partialWorkingDay* , theAuthority_srvHrs*		
Attributes	QName	Type	Use
	gml:id	ID	required

## Complex Type SpatialQualityType

Namespace	http://www.ihc.int/S122/2.0		
Annotations	The indication of the quality of the locational information for features in a dataset.		
Diagram	<pre> classDiagram     S100::AbstractFeatureType &lt; -- gml::AbstractFeatureType     gml::AbstractFeatureType &lt; -- gml::AbstractGMLType     gml::AbstractGMLType &lt; -- Attributes     Attributes &lt; -- gml:id     SpatialQualityType &lt; -- S100::AbstractFeatureType     S100::AbstractFeatureType &lt; -- gml:boundedBy     gml:boundedBy &lt; -- qualityOfHorizontalMeasurement     qualityOfHorizontalMeasurement &lt; -- spatialAccuracy   </pre>		
Type	extension of AbstractFeatureType		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• SpatialQualityType</li> </ul>		
Properties	abstract:	false	
Used by	Element	SpatialQuality	
Model	gml:boundedBy{0,1} , qualityOfHorizontalMeasurement{0,1} , spatialAccuracy*		
Attributes	QName	Type	Use
	gml:id	ID	required

## Complex Type FeatureTypeType

Namespace	http://www.ihc.int/S122/2.0
Annotations	Generalized feature type which carries all the common attributes.
Diagram	<pre> classDiagram     FeatureTypeType &lt; -- S100AbstractFeatureType     FeatureTypeType &lt; -- gmlAbstractFeatureType     FeatureTypeType &lt; -- gmlAbstractGMLType      FeatureTypeType {         @gml:id         gml:boundedBy         interoperabilityIdentifier         featureName         fixedDateRange         periodicDateRange         rxNCode         graphic         sourceIndication         textContent         permission         theRxN         theInformation         theCartographicText     }   </pre> <p>The diagram illustrates the inheritance path of the <b>FeatureTypeType</b> complex type. It starts with <b>S100:AbstractFeatureType</b> (extension base), which itself extends <b>gml:AbstractFeatureType</b> (extension base). This further extends to <b>gml:AbstractGMLType</b> (extension base). The <b>gml:AbstractGMLType</b> base type includes an attribute <b>@gml:id</b>, which is described as supporting provision of a handle for the XML element representing a GML Object. Its use is mandatory. Another attribute, <b>gml:boundedBy</b>, is described as describing the minimum bounding box or rectangle that encloses the entire feature. The basic feature model is given by the <b>gml:AbstractFeatureType</b>. The content model for <b>gml:AbstractFeatureType</b> adds two... The <b>FeatureTypeType</b> itself is a generalized feature type which carries all the common attributes. It has the following attributes:</p> <ul style="list-style-type: none"> <li><b>interoperabilityIdentifier</b>: Type <b>interoperabilityIdentifierType</b></li> <li><b>featureName</b>: Type <b>featureNameType</b></li> <li><b>fixedDateRange</b>: Type <b>fixedDateRangeType</b></li> <li><b>periodicDateRange</b>: Type <b>periodicDateRangeType</b></li> <li><b>rxNCode</b>: Type <b>rxNCodeType</b></li> <li><b>graphic</b>: Type <b>graphicType</b></li> <li><b>sourceIndication</b>: Type <b>sourceIndicationType</b></li> <li><b>textContent</b>: Type <b>textContentType</b></li> <li><b>permission</b>: Type <b>permissionType</b></li> <li><b>theRxN</b>: Type <b>gml:ReferenceType</b></li> <li><b>theInformation</b>: Type <b>gml:ReferenceType</b></li> <li><b>theCartographicText</b>: Type <b>gml:ReferenceType</b></li> </ul>
Type	extension of AbstractFeatureType

Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>FeatureTypeType</code></li> </ul>						
Properties	<code>abstract</code> : <code>false</code>						
Used by	Complex Types <code>InformationAreaType</code> , <code>MarineProtectedAreaType</code> , <code>RestrictedAreaType</code> , <code>VesselTrafficServiceAreaType</code>						
Model	<code>gml:boundedBy{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>gml:id</code></td><td>ID</td><td>required</td></tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<code>gml:id</code>	ID	required
QName	Type	Use					
<code>gml:id</code>	ID	required					

## Complex Type permissionType

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>																																													
Annotations	Association class for associations describing whether the subsets of vessels determined by the ship characteristics specified in APPLIC may (or must, etc.) transit, enter, or use a feature.																																													
Diagram	<p>UML Class Diagram illustrating the inheritance relationship between <code>permissionType</code> and <code>gml:ReferenceType</code>. The <code>gml:ReferenceType</code> class is identified as an extension base. It contains two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. Annotations for <code>gml:ReferenceType</code> state: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." and "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". The <code>permissionType</code> class is shown as a specialization of <code>gml:ReferenceType</code>. It has its own annotation: "Association class for associations describing whether the subsets of vessels determined by the ship characteristics...". A note indicates that <code>gml:ReferenceType</code> is intended to be used in application schemas directly, if a property element shall use a...</p>																																													
Type	extension of <code>gml:ReferenceType</code>																																													
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:ReferenceType</code></li> <li>• <code>permissionType</code></li> </ul>																																													
Used by	Element <code>FeatureTypeType/permission</code>																																													
Model	<code>PermissionType</code>																																													
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td><code>xlink:actuateType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:arcrole</code></td><td><code>xlink:arcroleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td><code>xlink:hrefType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td><code>xlink:roleType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td><code>xlink:showType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:title</code></td><td><code>xlink:titleAttrType</code></td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional	<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional	<code>xlink:href</code>	<code>xlink:hrefType</code>			optional	<code>xlink:role</code>	<code>xlink:roleType</code>			optional	<code>xlink:show</code>	<code>xlink:showType</code>			optional	<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional
QName	Type	Fixed	Default	Use																																										
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																										
<code>owns</code>	boolean		false	optional																																										
<code>xlink:actuate</code>	<code>xlink:actuateType</code>			optional																																										
<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																										
<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																										
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																										
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																										
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																										

QName	Type	Fixed	Default	Use
xlink:type	xlink:typeType	simple		optional

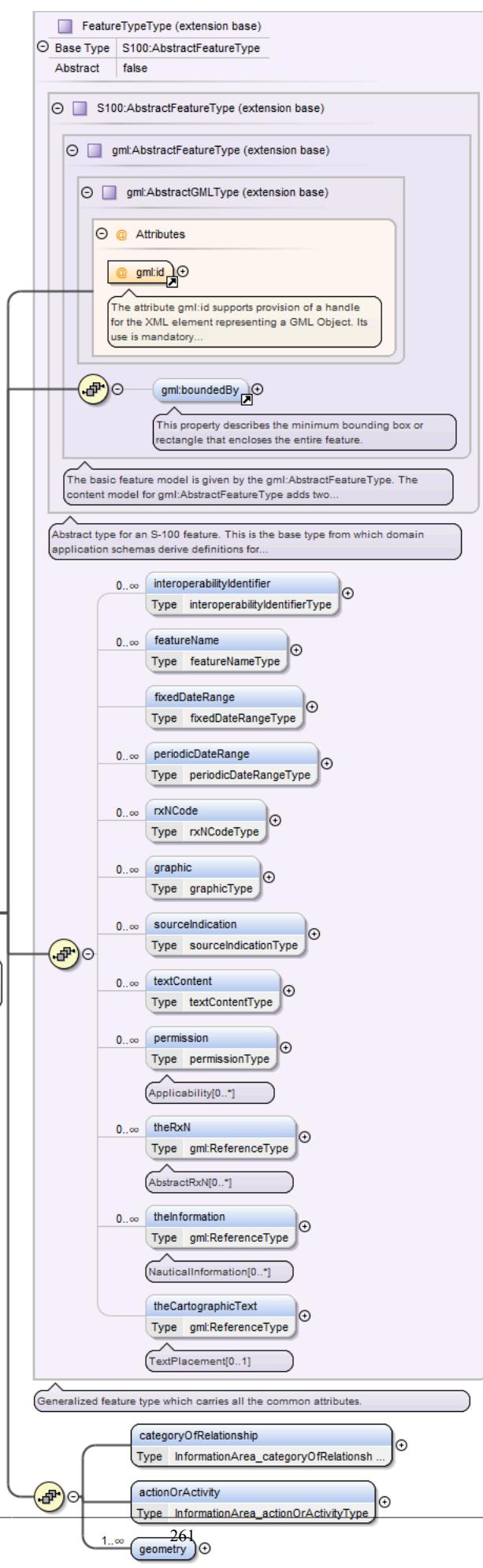
## Complex Type PermissionTypeType

Namespace	http://www.ihc.int/S122/2.0											
Annotations	Association class for associations describing whether the subsets of vessels determined by the ship characteristics specified in APPLIC may (or must, etc.) transit, enter, or use a feature.											
Diagram	<pre> classDiagram     class PermissionTypeType {         &lt;&lt;Association class for associations describing whether the subsets of vessels determined by the ship characteristics...&gt;&gt;     }     class categoryOfRelationship {         &lt;&lt;Type categoryOfRelationshipType&gt;&gt;     }     PermissionTypeType "1" -- "1" categoryOfRelationship     categoryOfRelationship "1" -- "1" categoryOfRelationship     note over categoryOfRelationship: The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...   </pre>											
Used by	Element permissionType/PermissionType											
Model	categoryOfRelationship											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>optional</td> <td></td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>				QName	Type	Use		gml:id	ID	optional	
QName	Type	Use										
gml:id	ID	optional										

## Complex Type InformationAreaType

Namespace	http://www.ihc.int/S122/2.0			
Annotations	An area for which general information regarding navigation, but not directly related to safety of navigation, is available.			

Diagram

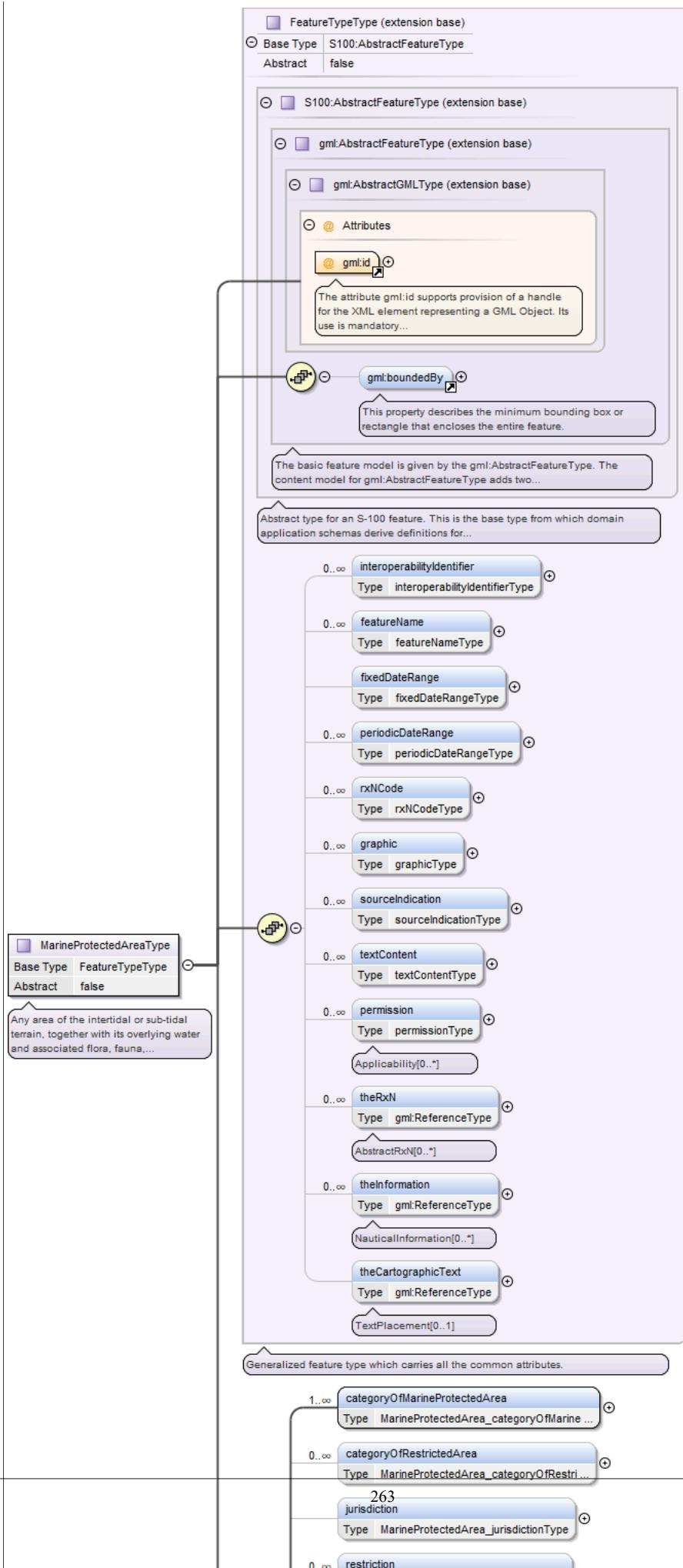


Type	extension of FeatureTypeType		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• FeatureTypeType</li> <li>• InformationAreaType</li> </ul>		
Properties	abstract: false		
Used by	Element InformationArea		
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfRelationship , actionOrActivity , geometry+		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
		ID	required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

### Complex Type MarineProtectedAreaType

Namespace	http://www.ihodata.org/S122/2.0
Annotations	Any area of the intertidal or sub-tidal terrain, together with its overlying water and associated flora, fauna, historical and cultural features, which has been reserved by law or other effective means to protect part or all of the enclosed environment.

Diagram

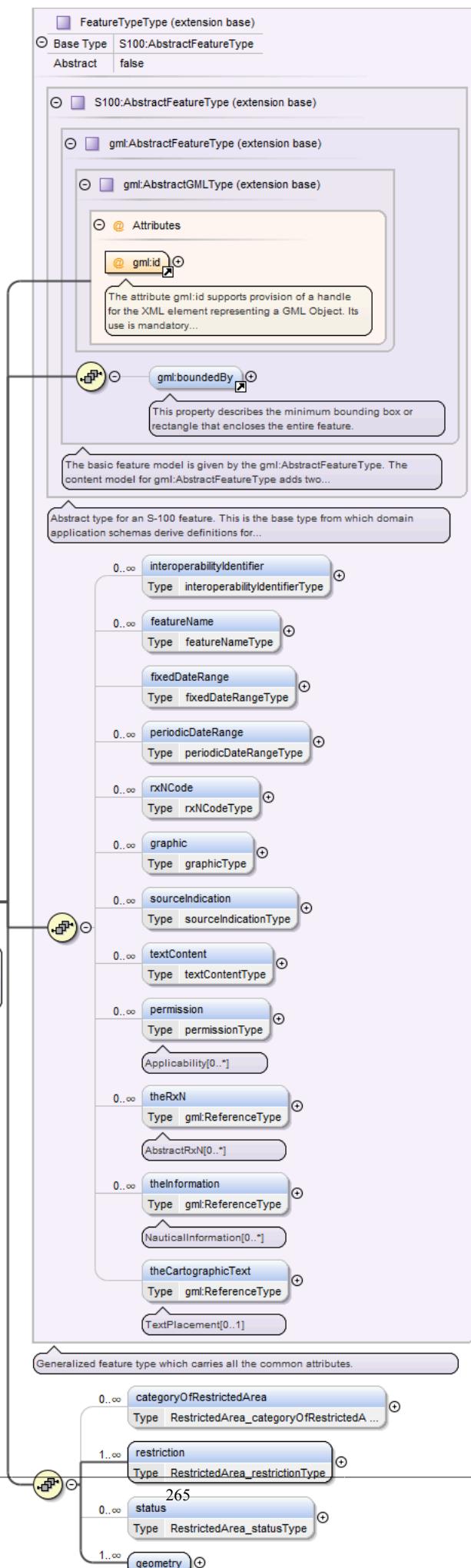


Type	extension of FeatureTypeType										
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code></li> <li>• <code>gml:AbstractFeatureType</code></li> <li>• <code>AbstractFeatureType</code></li> <li>• <code>FeatureTypeType</code></li> <li>• <code>MarineProtectedAreaType</code></li> </ul>										
Properties	<code>abstract:</code> <code>false</code>										
Used by	Element <code>MarineProtectedArea</code>										
Model	<code>gml:boundedBy{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>categoryOfMarineProtectedArea+</code> , <code>categoryOfRestrictedArea*</code> , <code>jurisdiction{0,1}</code> , <code>restriction*</code> , <code>status*</code> , <code>designation*</code> , <code>responsibleAuthority*</code> , <code>geometry+</code>										
Attributes	<table border="1" style="width: 100%;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		<code>gml:id</code>	ID	required		<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
<code>gml:id</code>	ID	required									

### Complex Type RestrictedAreaType

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	A specified area designated by an appropriate authority within which navigation is restricted in accordance with certain specified conditions.

Diagram

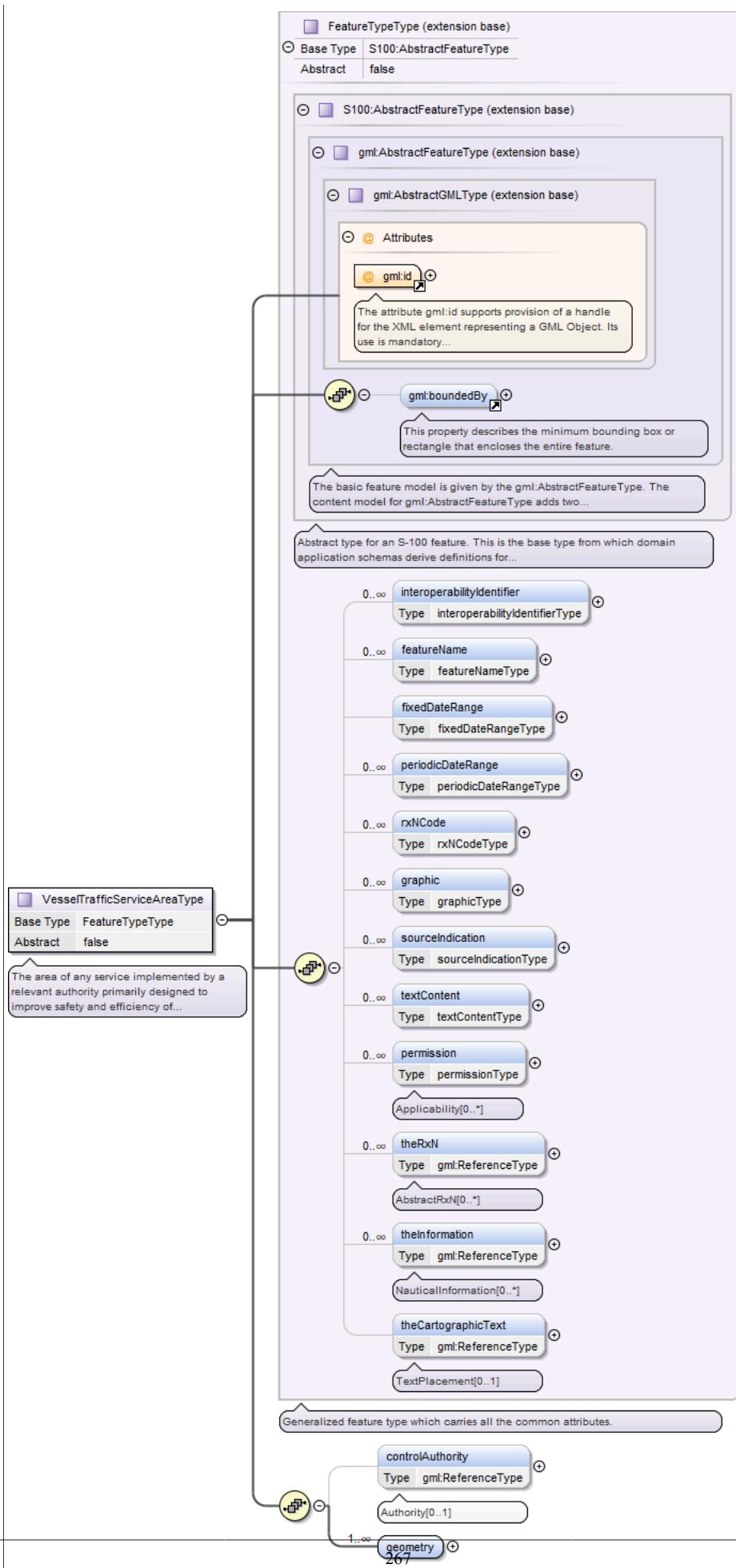


Type	extension of FeatureTypeType		
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• FeatureTypeType</li> <li>• RestrictedAreaType</li> </ul>		
Properties	abstract: false		
Used by	Element RestrictedArea		
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfRestrictedArea* , restriction+ , status* , geometry+		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
		ID	required
		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	

### Complex Type VesselTrafficServiceAreaType

Namespace	http://www.ihc.int/S122/2.0
Annotations	The area of any service implemented by a relevant authority primarily designed to improve safety and efficiency of traffic flow and the protection of the environment. It may range from simple information messages, to extensive organisation of the traffic involving national or regional schemes.

Diagram



Type	extension of FeatureTypeType								
Type hierarchy	<ul style="list-style-type: none"> <li>• gml:AbstractGMLType</li> <li>• gml:AbstractFeatureType</li> <li>• AbstractFeatureType</li> <li>• FeatureTypeType</li> <li>• VesselTrafficServiceAreaType</li> </ul>								
Properties	abstract: false								
Used by	Element VesselTrafficServiceArea								
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , controlAuthority{0,1} , geometry+								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use							
gml:id	ID	required							

## Complex Type DataCoverageType

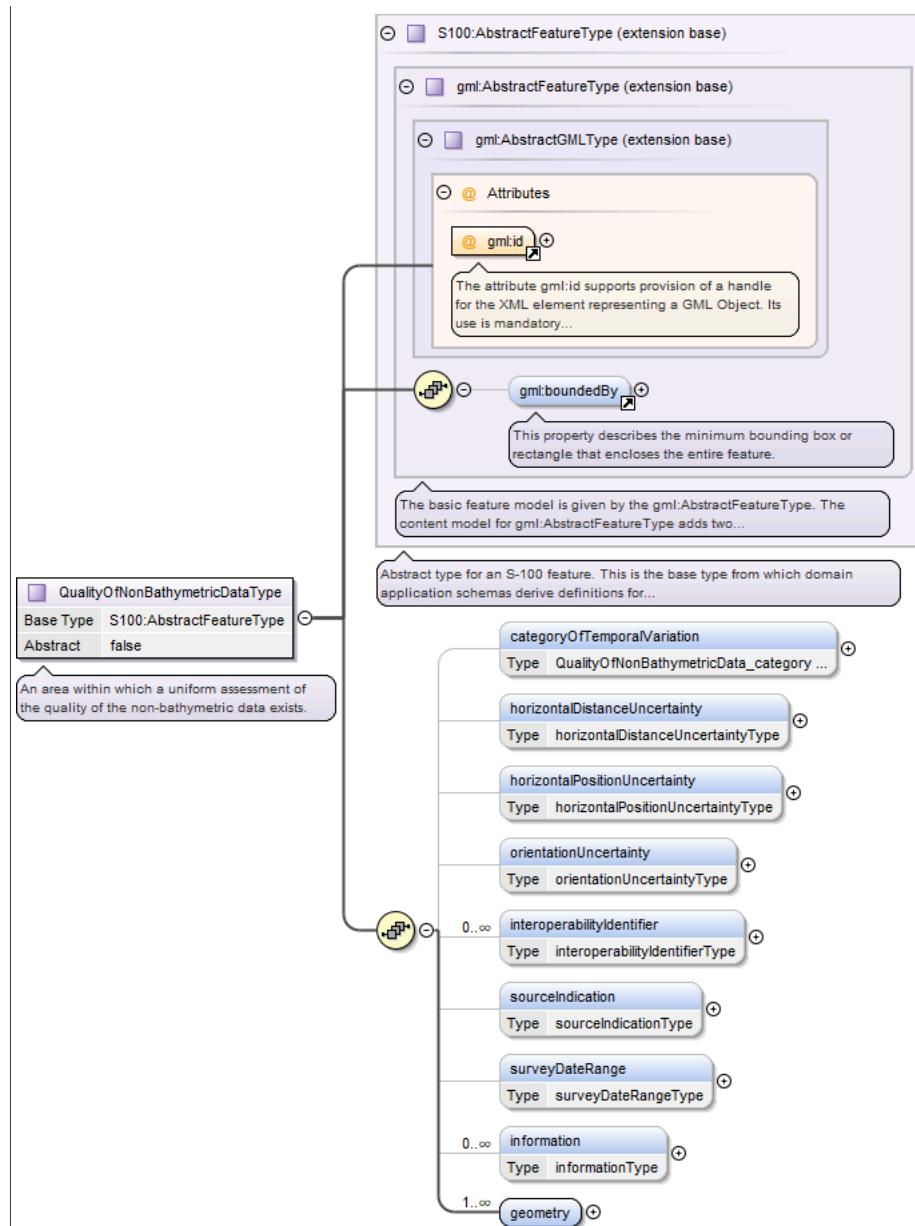
Namespace	http://www.ihc.int/S122/2.0		
Annotations	A geographical area that describes the coverage and extent of spatial objects.		
Diagram	<p>A geographical area that describes the coverage and extent of spatial objects.</p>		
Type	extension of AbstractFeatureType		

Type hierarchy	<ul style="list-style-type: none"> <li>• <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> <li>• <code>gml:AbstractFeatureType</code> <ul style="list-style-type: none"> <li>• <code>AbstractFeatureType</code></li> <li>• <code>DataCoverageType</code></li> </ul> </li> </ul> </li> </ul>										
Properties	abstract: <code>false</code>										
Used by	Element <code>DataCoverage</code>										
Model	<code>gml:boundedBy{0,1}</code> , <code>maximumDisplayScale</code> , <code>minimumDisplayScale</code> , <code>optimumDisplayScale{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>geometry+</code>										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding-bottom: 2px;"><b>QName</b></th><th style="text-align: left; padding-bottom: 2px;"><b>Type</b></th><th style="text-align: left; padding-bottom: 2px;"><b>Use</b></th><th style="text-align: left; padding-bottom: 2px;"></th></tr> </thead> <tbody> <tr> <td style="padding-top: 2px;"><code>gml:id</code></td><td style="padding-top: 2px;">ID</td><td style="padding-top: 2px;">required</td><td style="padding-top: 2px;"></td></tr> </tbody> </table>	<b>QName</b>	<b>Type</b>	<b>Use</b>		<code>gml:id</code>	ID	required		<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
<b>QName</b>	<b>Type</b>	<b>Use</b>									
<code>gml:id</code>	ID	required									

### Complex Type `QualityOfNonBathymetricDataType`

Namespace	<a href="http://www.ihc.int/S122/2.0">http://www.ihc.int/S122/2.0</a>
Annotations	An area within which a uniform assessment of the quality of the non-bathymetric data exists.

Diagram



Type	extension of AbstractFeatureType									
Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType</li> <li>gml:AbstractFeatureType</li> <li>AbstractFeatureType</li> <li>QualityOfNonBathymetricDataType</li> </ul>									
Properties	abstract: false									
Used by	Element QualityOfNonBathymetricData									
Model	<p>gml:boundedBy{0,1} , categoryOfTemporalVariation{0,1} , horizontalDistanceUncertainty{0,1} , horizontalPositionUncertainty{0,1} , orientationUncertainty{0,1} , interoperabilityIdentifier* , sourceIndication{0,1} , surveyDateRange{0,1} , information* , geometry+</p>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><b>gml:id</b></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it</td> </tr> </tbody> </table>	QName	Type	Use	<b>gml:id</b>	ID	required			The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it
QName	Type	Use								
<b>gml:id</b>	ID	required								
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it								

QName	Type	Use	
	occurs.		

## Complex Type TextPlacementType

Namespace	http://www.ihc.int/S122/2.0						
Annotations	The Text Placement feature is used in association with the Feature Name attribute or a light description to optimize text positioning in ECDIS.						
Diagram	<p>The diagram illustrates the UML class hierarchy and associations for the S100:AbstractFeatureType extension base. It shows inheritance from gml:AbstractGMLType and gml:AbstractFeatureType, and associations with TextPlacementType and geometry. The TextPlacementType class is described as being used in association with the Feature Name attribute or a light description to optimize text positioning. The geometry association is described as representing the minimum bounding box or rectangle that encloses the entire feature.</p>						
Type	extension of AbstractFeatureType						
Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType</li> <li>gml:AbstractFeatureType</li> <li>AbstractFeatureType</li> <li>TextPlacementType</li> </ul>						
Properties	abstract: false						
Used by	Element TextPlacement						
Model	gml:boundedBy{0,1} , textOffsetBearing , textOffsetDistance , textRotation{0,1} , textType{1,2} , scaleMinimum{0,1} , thePositionProvider , geometry+						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required
QName	Type	Use					
gml:id	ID	required					

QName	Type	Use
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

## Complex Type ThisDatasetType

Namespace	http://www.ihc.int/S122/2.0
Diagram	<p>ThisDatasetType is an extension of S100:DatasetType. It includes attributes gml:id and gml:boundedBy. It has associations with DatasetIdentificationInformation, Geometry, and members.</p>
Type	extension of DatasetType
Type hierarchy	<ul style="list-style-type: none"> <li>gml:AbstractGMLType</li> <li>gml:AbstractFeatureType</li> <li>DatasetType</li> <li>ThisDatasetType</li> </ul>
Used by	Element      Dataset
Model	gml:boundedBy{0,1} , DatasetIdentificationInformation , (Point   MultiPoint   Curve   CompositeCurve   OrientableCurve   Surface   Polygon) , members

Attributes	QName	Type	Use
	gml:id	ID	required
	The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of type ID, so is constrained to be unique in the XML document within which it occurs.		

## Element Group(s)

### Element Group MemberObjects

Namespace	http://www.ihc.int/S122/2.0		
Annotations	group of information, feature and meta objects, all GML members		
Diagram	<pre> classDiagram     class MemberObjects {         &lt;&lt;group of information, feature and meta objects, all GML members&gt;&gt;     }     class Applicability {         Type ApplicabilityType     }     class Authority {         Type AuthorityType     }     class ContactDetails {         Type ContactDetailsType     }     class NauticalInformation {         Type NauticalInformationType     }     class NonStandardWorkingDay {         Type NonStandardWorkingDayType     }     class Recommendations {         Type RecommendationsType     }     class Regulations {         Type RegulationsType     }     class Restrictions {         Type RestrictionsType     }     class ServiceHours {         Type ServiceHoursType     }     class SpatialQuality {         Type SpatialQualityType     }     class InformationArea {         Type InformationAreaType     }     class MarineProtectedArea {         Type MarineProtectedAreaType     }     class RestrictedArea {         Type RestrictedAreaType     }     class VesselTrafficServiceArea {         Type VesselTrafficServiceAreaType     }     class DataCoverage {         Type DataCoverageType     }     class QualityOfNonBathymetricData {         Type QualityOfNonBathymetricDataType     }     class TextPlacement {         Type TextPlacementType     }      MemberObjects --&gt; Applicability :      MemberObjects --&gt; Authority :      MemberObjects --&gt; ContactDetails :      MemberObjects --&gt; NauticalInformation :      MemberObjects --&gt; NonStandardWorkingDay :      MemberObjects --&gt; Recommendations :      MemberObjects --&gt; Regulations :      MemberObjects --&gt; Restrictions :      MemberObjects --&gt; ServiceHours :      MemberObjects --&gt; SpatialQuality :      MemberObjects --&gt; InformationArea :      MemberObjects --&gt; MarineProtectedArea :      MemberObjects --&gt; RestrictedArea :      MemberObjects --&gt; VesselTrafficServiceArea :      MemberObjects --&gt; DataCoverage :      MemberObjects --&gt; QualityOfNonBathymetricData :      MemberObjects --&gt; TextPlacement :   </pre>		
Used by	Element	ThisDatasetType/members	
Model	Applicability   Authority   ContactDetails   NauticalInformation   NonStandardWorkingDay   Recommendations   Regulations   Restrictions   ServiceHours   SpatialQuality   InformationArea   MarineProtectedArea   RestrictedArea   VesselTrafficServiceArea   DataCoverage   QualityOfNonBathymetricData   TextPlacement		

**Namespace:** ""

## Attribute(s)

**Attribute cardinalDirectionType / @code**

Namespace	No namespace		
Type	cardinalDirectionCode		
Properties	use: required		
Facets	enumeration	1	348.75-011.25 degrees (true north).
	enumeration	2	011.25 - 033.75 degrees.
	enumeration	3	033.75 - 056.25 degrees.
	enumeration	4	056.25-078.75 degrees.
	enumeration	5	078.75-101.25 degrees.
	enumeration	6	101.25-123.75 degrees.
	enumeration	7	123.75-146.25 degrees.
	enumeration	8	146.25-168.75 degrees.
	enumeration	9	168.75-191.25 degrees.
	enumeration	10	191.25-213.75 degrees.
	enumeration	11	213.75-236.25 degrees.
	enumeration	12	236.25-258.75 degrees.
	enumeration	13	258.75-281.25 degrees.
	enumeration	14	281.25-303.75 degrees.
	enumeration	15	303.75 - 326.25 degrees.
	enumeration	16	326.25 - 348.75 degrees.
Used by	Complex Type	cardinalDirectionType	

**Attribute bearingInformation\_cardinalDirectionType / @code**

Namespace	No namespace		
Type	bearingInformation_cardinalDirectionCode		
Properties	use: required		
Facets	enumeration	1	348.75-011.25 degrees (true north).
	enumeration	2	011.25 - 033.75 degrees.
	enumeration	3	033.75 - 056.25 degrees.
	enumeration	4	056.25-078.75 degrees.
	enumeration	5	078.75-101.25 degrees.
	enumeration	6	101.25-123.75 degrees.
	enumeration	7	123.75-146.25 degrees.
	enumeration	8	146.25-168.75 degrees.
	enumeration	9	168.75-191.25 degrees.
	enumeration	10	191.25-213.75 degrees.
	enumeration	11	213.75-236.25 degrees.
	enumeration	12	236.25-258.75 degrees.
	enumeration	13	258.75-281.25 degrees.
	enumeration	14	281.25-303.75 degrees.
	enumeration	15	303.75 - 326.25 degrees.
	enumeration	16	326.25 - 348.75 degrees.
Used by	Complex Type	bearingInformation_cardinalDirectionType	

### Attribute categoryOfAuthorityType / @code

Namespace	No namespace		
Type	categoryOfAuthorityCode		
Properties	use: required		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	12	An authority with responsibility for the protection of the environment.
	enumeration	13	An authority with responsibility for the control of fisheries.
	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Complex Type	categoryOfAuthorityType	

### Attribute AbstractRxN\_categoryOfAuthorityType / @code

Namespace	No namespace		
Type	AbstractRxN_categoryOfAuthorityCode		
Properties	use: required		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.

	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	12	An authority with responsibility for the protection of the environment.
	enumeration	13	An authority with responsibility for the control of fisheries.
	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Complex Type	AbstractRxN_categoryOfAuthorityType	

#### Attribute Authority\_categoryOfAuthorityType / @code

Namespace	No namespace		
Type	Authority_categoryOfAuthorityCode		
Properties	use: required		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.

	enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	12	An authority with responsibility for the protection of the environment.
	enumeration	13	An authority with responsibility for the control of fisheries.
	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Complex Type	Authority_categoryOfAuthorityType	

#### Attribute sourceIndication\_categoryOfAuthorityType / @code

Namespace	No namespace	
Type	sourceIndication_categoryOfAuthorityCode	
Properties	use: required	
Used by	Complex Type	sourceIndication_categoryOfAuthorityType

#### Attribute categoryOfCargoType / @code

Namespace	No namespace		
Type	categoryOfCargoCode		
Properties	use: required		
Facets	enumeration	1	Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.
	enumeration	2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.
	enumeration	3	Break bulk cargo normally loaded by crane.
	enumeration	4	Any cargo loaded by pipeline.
	enumeration	5	A fee paying traveller.
	enumeration	6	Live animals carried in bulk.
	enumeration	7	Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.
	enumeration	8	Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.
	enumeration	10	Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.
	enumeration	11	Liquids or gases that are transported in bulk and carried unpackaged.
	enumeration	12	Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.
	enumeration	13	Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.
	enumeration	14	Project cargo is a term used to broadly describe the national or international transportation

		of large, heavy, high value, or critical (to the project they are intended for) pieces of equipment. Also commonly referred to as heavy lift, this includes shipments made of various components which need disassembly for shipment and reassembly after delivery.
	enumeration 15	Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.
Used by	Complex Type	categoryOfCargoType

#### Attribute **Applicability\_categoryOfCargoType / @code**

Namespace	No namespace	
Type	Applicability_categoryOfCargoCode	
Properties	use: required	
Facets	enumeration 1	Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.
	enumeration 2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.
	enumeration 3	Break bulk cargo normally loaded by crane.
	enumeration 4	Any cargo loaded by pipeline.
	enumeration 5	A fee paying traveller.
	enumeration 6	Live animals carried in bulk.
	enumeration 7	Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.
	enumeration 8	Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.
	enumeration 10	Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.
	enumeration 11	Liquids or gases that are transported in bulk and carried unpackaged.
	enumeration 12	Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.
	enumeration 13	Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.
	enumeration 14	Project cargo is a term used to broadly describe the national or international transportation of large, heavy, high value, or critical (to the project they are intended for) pieces of equipment. Also commonly referred to as heavy lift, this includes shipments made of various components which need disassembly for shipment and reassembly after delivery.
	enumeration 15	Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.
Used by	Complex Type	Applicability_categoryOfCargoType

#### Attribute **categoryOfCommunicationPreferenceType / @code**

Namespace	No namespace	
Type	categoryOfCommunicationPreferenceCode	

Properties	use:	required	
Facets	enumeration	1	The first choice channel or frequency to be used when calling a radio station.
	enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3	The first choice channel or frequency to be used when working with a radio station.
	enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Complex Type	categoryOfCommunicationPreferenceType	

#### **Attribute ContactDetails\_categoryOfCommunicationPreferenceType / @code**

Namespace	No namespace		
Type	ContactDetails_categoryOfCommunicationPreferenceCode		
Properties	use:	required	
Facets	enumeration	1	The first choice channel or frequency to be used when calling a radio station.
	enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3	The first choice channel or frequency to be used when working with a radio station.
	enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Complex Type	ContactDetails_categoryOfCommunicationPreferenceType	

#### **Attribute telecommunications\_categoryOfCommunicationPreferenceType / @code**

Namespace	No namespace		
Type	telecommunications_categoryOfCommunicationPreferenceCode		
Properties	use:	required	
Facets	enumeration	1	The first choice channel or frequency to be used when calling a radio station.
	enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3	The first choice channel or frequency to be used when working with a radio station.
	enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Complex Type	telecommunications_categoryOfCommunicationPreferenceType	

#### **Attribute categoryOfDangerousOrHazardousCargoType / @code**

Namespace	No namespace		
Type	categoryOfDangerousOrHazardousCargoCode		
Properties	use:	required	
Facets	enumeration	1	Explosives, Division 1: Substances and articles which have a mass explosion hazard.

enumeration	2	Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
enumeration	3	Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
enumeration	4	Explosives, Division 4: Substances and articles which present no significant hazard.
enumeration	5	Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.
enumeration	6	Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
enumeration	7	Gases, flammable gases.
enumeration	8	Gases, non-flammable, non-toxic gases.
enumeration	9	Gases, toxic gases.
enumeration	10	Flammable liquids.
enumeration	11	Flammable solids, self-reactive substances and desensitized explosives.
enumeration	12	Substances liable to spontaneous combustion.
enumeration	13	Substances which, in contact with water, emit flammable gases.
enumeration	14	Oxidizing substances.
enumeration	15	Organic peroxides.
enumeration	16	Toxic substances.
enumeration	17	Infectious substances.
enumeration	18	Radioactive material.
enumeration	19	Corrosive substances.
enumeration	20	Miscellaneous dangerous substances and articles.
enumeration	21	Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Complex Type	categoryOfDangerousOrHazardousCargoType

#### Attribute **Applicability\_categoryOfDangerousOrHazardousCargoType / @code**

Namespace	No namespace		
Type	Applicability_categoryOfDangerousOrHazardousCargoCode		
Properties	use: required		
Facets	enumeration	1	Explosives, Division 1: Substances and articles which have a mass explosion hazard.
	enumeration	2	Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
	enumeration	3	Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
	enumeration	4	Explosives, Division 4: Substances and articles which present no significant hazard.
	enumeration	5	Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.
	enumeration	6	Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
	enumeration	7	Gases, flammable gases.
	enumeration	8	Gases, non-flammable, non-toxic gases.

	enumeration	9	Gases, toxic gases.
	enumeration	10	Flammable liquids.
	enumeration	11	Flammable solids, self-reactive substances and desensitized explosives.
	enumeration	12	Substances liable to spontaneous combustion.
	enumeration	13	Substances which, in contact with water, emit flammable gases.
	enumeration	14	Oxidizing substances.
	enumeration	15	Organic peroxides.
	enumeration	16	Toxic substances.
	enumeration	17	Infectious substances.
	enumeration	18	Radioactive material.
	enumeration	19	Corrosive substances.
	enumeration	20	Miscellaneous dangerous substances and articles.
	enumeration	21	Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Complex Type	Applicability_categoryOfDangerousOrHazardousCargoType	

#### Attribute categoryOfRelationshipType / @code

Namespace	No namespace	
Type	categoryOfRelationshipCode	
Properties	use:	required
Facets	enumeration	1 Use of facility, waterway or service is forbidden.
	enumeration	2 Use of facility, waterway or service is not recommended.
	enumeration	3 Use of facility, waterway, or service is permitted but not required.
	enumeration	4 Use of facility, waterway, or service is recommended.
	enumeration	5 Use of facility, waterway, or service is required.
	enumeration	6 Use of facility, waterway, or service is not required.
	enumeration	7 Only vessels of the specified characteristics may use the facility, waterway, or service.
Used by	Complex Type	categoryOfRelationshipType

#### Attribute InformationArea\_categoryOfRelationshipType / @code

Namespace	No namespace	
Type	InformationArea_categoryOfRelationshipCode	
Properties	use:	required
Facets	enumeration	1 Use of facility, waterway or service is forbidden.
	enumeration	3 Use of facility, waterway, or service is permitted but not required.
Used by	Complex Type	InformationArea_categoryOfRelationshipType

#### Attribute categoryOfRestrictedAreaType / @code

Namespace	No namespace	
Type	categoryOfRestrictedAreaCode	

Properties	use:	required	
Facets	enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.
	enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
	enumeration	5	A place where birds are bred and protected.
	enumeration	6	A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
	enumeration	7	A place where seals are protected.
	enumeration	10	An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
	enumeration	20	An area where marine research takes place.
	enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
	enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
	enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
	enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
	enumeration	31	A place where coral is protected.
	enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
	enumeration	33	An area within which the ship pollution emission is controlled.
Used by	Complex Type	categoryOfRestrictedAreaType	

#### Attribute MarineProtectedArea\_categoryOfRestrictedAreaType / @code

Namespace	No namespace		
Type	MarineProtectedArea_categoryOfRestrictedAreaCode		
Properties	use:	required	
Facets	enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.
	enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
	enumeration	5	A place where birds are bred and protected.
	enumeration	6	A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
	enumeration	7	A place where seals are protected.
	enumeration	10	An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
	enumeration	20	An area where marine research takes place.
	enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
	enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
	enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
	enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
	enumeration	31	A place where coral is protected.
	enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
	enumeration	33	An area within which the ship pollution emission is controlled.

enumeration	20	An area where marine research takes place.
enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
enumeration	31	A place where coral is protected.
enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.
enumeration	33	An area within which the ship pollution emission is controlled.
Used by	Complex Type	MarineProtectedArea_categoryOfRestrictedAreaType

#### **Attribute RestrictedArea\_categoryOfRestrictedAreaType / @code**

Namespace	No namespace		
Type	RestrictedArea_categoryOfRestrictedAreaCode		
Properties	use: required		
Facets	enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.
	enumeration	4	A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
	enumeration	5	A place where birds are bred and protected.
	enumeration	6	A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
	enumeration	7	A place where seals are protected.
	enumeration	10	An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
	enumeration	20	An area where marine research takes place.
	enumeration	22	A place where fish (including shellfish and crustaceans) are protected.
	enumeration	23	A tract of land managed so as to preserve the relation of plants and living creatures to each other and to their surroundings.
	enumeration	27	A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
	enumeration	28	An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.
	enumeration	31	A place where coral is protected.
	enumeration	32	An area within which recreational activities regularly take place and therefore vessel movement may be restricted.

	enumeration	33	An area within which the ship pollution emission is controlled.
Used by	Complex Type	RestrictedArea_categoryOfRestrictedAreaType	

#### Attribute categoryOfScheduleType / @code

Namespace	No namespace		
Type	categoryOfScheduleCode		
Properties	use: required		
Facets	enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.
	enumeration	2	The service, office, or area is closed.
	enumeration	3	The service is available but not manned.
Used by	Complex Type	categoryOfScheduleType	

#### Attribute scheduleByDayOfWeek\_categoryOfScheduleType / @code

Namespace	No namespace		
Type	scheduleByDayOfWeek_categoryOfScheduleCode		
Properties	use: required		
Facets	enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.
	enumeration	2	The service, office, or area is closed.
	enumeration	3	The service is available but not manned.
Used by	Complex Type	scheduleByDayOfWeek_categoryOfScheduleType	

#### Attribute categoryOfTemporalVariationType / @code

Namespace	No namespace		
Type	categoryOfTemporalVariationCode		
Properties	use: required		
Facets	enumeration	1	Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.
	enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration	5	Significant change to the seafloor is not expected.
	enumeration	6	Not having been assessed.
Used by	Complex Type	categoryOfTemporalVariationType	

#### Attribute QualityOfNonBathymetricData\_categoryOfTemporalVariationType / @code

Namespace	No namespace		
Type	QualityOfNonBathymetricData_categoryOfTemporalVariationCode		
Properties	use: required		
Facets	enumeration	1	Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.

	enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration	5	Significant change to the seafloor is not expected.
	enumeration	6	Not having been assessed.
Used by	Complex Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType	

#### Attribute categoryOfTextType / @code

Namespace	No namespace		
Type	categoryOfTextCode		
Properties	use: required		
Facets	enumeration	1	A statement summarizing the important points of a text.
	enumeration	2	An excerpt or excerpts from a text.
	enumeration	3	The whole text.
Used by	Complex Type	categoryOfTextType	

#### Attribute textContent\_categoryOfTextType / @code

Namespace	No namespace		
Type	textContent_categoryOfTextCode		
Properties	use: required		
Facets	enumeration	1	A statement summarizing the important points of a text.
	enumeration	2	An excerpt or excerpts from a text.
	enumeration	3	The whole text.
Used by	Complex Type	textContent_categoryOfTextType	

#### Attribute categoryOfVesselRegistryType / @code

Namespace	No namespace		
Type	categoryOfVesselRegistryCode		
Properties	use: required		
Facets	enumeration	1	The vessel is registered or enrolled under the same national flag as the port, harbour, territorial sea, exclusive economic zone, or administrative area in which the object that possesses this attribute applies or is located.
	enumeration	2	The vessel is registered or enrolled under a national flag different from the port, harbour, territorial sea, exclusive economic zone, or other administrative area in which the object that possesses this attribute applies or is located.
Used by	Complex Type	categoryOfVesselRegistryType	

#### Attribute applicability\_categoryOfVesselRegistryType / @code

Namespace	No namespace		
Type	Applicability_categoryOfVesselRegistryCode		
Properties	use: required		
Facets	enumeration	1	The vessel is registered or enrolled under the same national flag as the port, harbour,

		territorial sea, exclusive economic zone, or administrative area in which the object that possesses this attribute applies or is located.
	enumeration 2	The vessel is registered or enrolled under a national flag different from the port, harbour, territorial sea, exclusive economic zone, or other administrative area in which the object that possesses this attribute applies or is located.
Used by	Complex Type	Applicability_categoryOfVesselRegistryType

#### Attribute **comparisonOperatorType / @code**

Namespace	No namespace		
Type	comparisonOperatorCode		
Properties	use: required		
Facets	enumeration 1	The value of the left value is greater than that of the right.	
	enumeration 2	The value of the left expression is greater than or equal to that of the right.	
	enumeration 3	The value of the left expression is less than that of the right.	
	enumeration 4	The value of the left expression is less than or equal to that of the right.	
	enumeration 5	The two values are equivalent.	
	enumeration 6	The two values are not equivalent.	
Used by	Complex Type	comparisonOperatorType	

#### Attribute **vesselMeasurementsSpecification\_comparisonOperatorType / @code**

Namespace	No namespace		
Type	vesselMeasurementsSpecification_comparisonOperatorCode		
Properties	use: required		
Facets	enumeration 1	The value of the left value is greater than that of the right.	
	enumeration 2	The value of the left expression is greater than or equal to that of the right.	
	enumeration 3	The value of the left expression is less than that of the right.	
	enumeration 4	The value of the left expression is less than or equal to that of the right.	
	enumeration 5	The two values are equivalent.	
	enumeration 6	The two values are not equivalent.	
Used by	Complex Type	vesselMeasurementsSpecification_comparisonOperatorType	

#### Attribute **dayOfWeekType / @code**

Namespace	No namespace		
Type	dayOfWeekCode		
Properties	use: required		
Facets	enumeration 1	The day of the week following Saturday and preceding Monday.	
	enumeration 2	The day of the week following Sunday and preceding Tuesday.	
	enumeration 3	The day of the week following Monday and preceding Wednesday.	
	enumeration 4	The day of the week following Tuesday and preceding Thursday.	

	enumeration	5	The day of the week following Wednesday and preceding Friday.
	enumeration	6	The day of the week following Thursday and preceding Saturday.
	enumeration	7	The day of the week following Friday and preceding Sunday.
Used by	Complex Type	dayOfWeekType	

#### Attribute timeIntervalsByDayOfWeek\_dayOfWeekType / @code

Namespace	No namespace		
Type	timeIntervalsByDayOfWeek_dayOfWeekCode		
Properties	use:	required	
Facets	enumeration	1	The day of the week following Saturday and preceding Monday.
	enumeration	2	The day of the week following Sunday and preceding Tuesday.
	enumeration	3	The day of the week following Monday and preceding Wednesday.
	enumeration	4	The day of the week following Tuesday and preceding Thursday.
	enumeration	5	The day of the week following Wednesday and preceding Friday.
	enumeration	6	The day of the week following Thursday and preceding Saturday.
	enumeration	7	The day of the week following Friday and preceding Sunday.
Used by	Complex Type	timeIntervalsByDayOfWeek_dayOfWeekType	

#### Attribute jurisdictionType / @code

Namespace	No namespace		
Type	jurisdictionCode		
Properties	use:	required	
Facets	enumeration	1	Involving more than one country; covering more than one national area.
	enumeration	2	An area administered or controlled by a single nation.
	enumeration	3	An area smaller than the nation in which it lies.
Used by	Complex Type	jurisdictionType	

#### Attribute MarineProtectedArea\_jurisdictionType / @code

Namespace	No namespace		
Type	MarineProtectedArea_jurisdictionCode		
Properties	use:	required	
Facets	enumeration	1	Involving more than one country; covering more than one national area.
	enumeration	2	An area administered or controlled by a single nation.
	enumeration	3	An area smaller than the nation in which it lies.
Used by	Complex Type	MarineProtectedArea_jurisdictionType	

#### Attribute designation\_jurisdictionType / @code

Namespace	No namespace		
-----------	--------------	--	--

Type	designation_jurisdictionCode		
Properties	use: required		
Facets	enumeration	1	Involving more than one country; covering more than one national area.
	enumeration	2	An area administered or controlled by a single nation.
	enumeration	3	An area smaller than the nation in which it lies.
Used by	Complex Type	designation_jurisdictionType	

#### Attribute logicalConnectivesType / @code

Namespace	No namespace		
Type	logicalConnectivesCode		
Properties	use: required		
Facets	enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.
	enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.
Used by	Complex Type	logicalConnectivesType	

#### Attribute Applicability\_logicalConnectivesType / @code

Namespace	No namespace		
Type	Applicability_logicalConnectivesCode		
Properties	use: required		
Facets	enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.
	enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.
Used by	Complex Type	Applicability_logicalConnectivesType	

#### Attribute membershipType / @code

Namespace	No namespace		
Type	membershipCode		
Properties	use: required		
Facets	enumeration	1	Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.
	enumeration	2	Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.
Used by	Complex Type	membershipType	

#### Attribute nameUsageType / @code

Namespace	No namespace		
Type	nameUsageCode		
Properties	use: required		

Facets	enumeration	1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration	2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration	3	The name or text is not intended to be displayed.
Used by	Complex Type	nameUsageType	

#### Attribute **featureName\_nameUsageType / @code**

Namespace	No namespace		
Type	featureName_nameUsageCode		
Properties	use: required		
Facets	enumeration	1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration	2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration	3	The name or text is not intended to be displayed.
Used by	Complex Type	featureName_nameUsageType	

#### Attribute **onlineFunctionType / @code**

Namespace	No namespace		
Type	onlineFunctionCode		
Properties	use: required		
Facets	enumeration	1	Online instructions for transferring data from one storage device or system to another.
	enumeration	3	Online instructions for requesting the resource from the provider.
	enumeration	4	Online order process for obtaining the resource.
	enumeration	5	To make painstaking investigation or examination.
	enumeration	6	Complete metadata provided.
	enumeration	7	Browse graphic provided.
	enumeration	8	Online resource upload capability provided.
	enumeration	9	Online email service provided.
	enumeration	10	Online browsing provided.
	enumeration	11	Online file access provided.
Used by	Complex Type	onlineFunctionType	

#### Attribute **onlineResource\_onlineFunctionType / @code**

Namespace	No namespace		
Type	onlineResource_onlineFunctionCode		
Properties	use: required		
Facets	enumeration	1	Online instructions for transferring data from one storage device or system to another.
	enumeration	3	Online instructions for requesting the resource from the provider.
	enumeration	4	Online order process for obtaining the resource.
	enumeration	5	To make painstaking investigation or examination.
	enumeration	6	Complete metadata provided.

	enumeration	7	Browse graphic provided.
	enumeration	8	Online resource upload capability provided.
	enumeration	9	Online email service provided.
	enumeration	10	Online browsing provided.
	enumeration	11	Online file access provided.
Used by	Complex Type	onlineResource_onlineFunctionType	

#### Attribute **qualityOfHorizontalMeasurementType / @code**

Namespace	No namespace		
Type	qualityOfHorizontalMeasurementCode		
Properties	use: required		
Facets	enumeration	1	The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.
	enumeration	2	Survey data is does not exist or is very poor.
	enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.
	enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.
	enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.
	enumeration	6	A feature's position has been obtained from questionable or unreliable data.
	enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
	enumeration	8	An object whose position has been reported and its position has not been confirmed.
	enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
	enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
	enumeration	11	A position that is computed from data.
Used by	Complex Type	qualityOfHorizontalMeasurementType	

#### Attribute **SpatialQuality\_qualityOfHorizontalMeasurementType / @code**

Namespace	No namespace		
Type	SpatialQuality_qualityOfHorizontalMeasurementCode		
Properties	use: required		
Facets	enumeration	1	The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.
	enumeration	2	Survey data is does not exist or is very poor.
	enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.

enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.
enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.
enumeration	6	A feature's position has been obtained from questionable or unreliable data.
enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
enumeration	8	An object whose position has been reported and its position has not been confirmed.
enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
enumeration	11	A position that is computed from data.
Used by	Complex Type	SpatialQuality_qualityOfHorizontalMeasurementType

#### Attribute restrictionType / @code

Namespace	No namespace		
Type	restrictionCode		
Properties	use: required		
Facets	enumeration	1	
	enumeration	2	An area within which anchoring is not permitted.
	enumeration	3	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.
	enumeration	4	An area within which fishing is not permitted.
	enumeration	5	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.
	enumeration	6	An area within which trawling is not permitted.
	enumeration	7	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.
	enumeration	8	An area within which navigation and/or anchoring is prohibited.
	enumeration	9	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.
	enumeration	10	An area within which dredging is not permitted.
	enumeration	11	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.
	enumeration	12	An area within which diving is not permitted.
	enumeration	13	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.
	enumeration	14	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.

enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.
enumeration	16	An area within which discharging or dumping is prohibited.
enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.
enumeration	18	An area within which industrial or mineral exploration and development are prohibited.
enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.
enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.
enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.
enumeration	22	An area within which the removal of historical artefacts is prohibited.
enumeration	23	An area in which cargo transhipment (lightening) is prohibited.
enumeration	24	An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	25	An area in which a vessel is prohibited from stopping.
enumeration	26	An area in which landing is prohibited.
enumeration	27	An area within which speed is restricted.
enumeration	38	The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	39	An area in which swimming is prohibited.
enumeration	40	An area within which the emission of SOx is restricted.
enumeration	41	An area within which the emission of NOx is restricted.
enumeration	42	An area within which any vessel propelled by machinery is prohibited.
Used by	Complex Type	restrictionType

#### Attribute MarineProtectedArea\_restrictionType / @code

Namespace	No namespace		
Type	MarineProtectedArea_restrictionCode		
Properties	use: required		
Facets	enumeration	1	An area within which anchoring is not permitted.
	enumeration	2	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.
	enumeration	3	An area within which fishing is not permitted.
	enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.
	enumeration	5	An area within which trawling is not permitted.
	enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.
	enumeration	7	An area within which navigation and/or anchoring is prohibited.
	enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.

enumeration	9	An area within which dredging is not permitted.
enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.
enumeration	11	An area within which diving is not permitted.
enumeration	12	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.
enumeration	13	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.
enumeration	14	An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.
enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.
enumeration	16	An area within which discharging or dumping is prohibited.
enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.
enumeration	18	An area within which industrial or mineral exploration and development are prohibited.
enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.
enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.
enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.
enumeration	22	An area within which the removal of historical artefacts is prohibited.
enumeration	23	An area in which cargo transhipment (lightening) is prohibited.
enumeration	24	An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	25	An area in which a vessel is prohibited from stopping.
enumeration	26	An area in which landing is prohibited.
enumeration	27	An area within which speed is restricted.
enumeration	38	The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	39	An area in which swimming is prohibited.
enumeration	40	An area within which the emission of SOx is restricted.
enumeration	41	An area within which the emission of NOx is restricted.
enumeration	42	An area within which any vessel propelled by machinery is prohibited.
Used by	Complex Type	MarineProtectedArea_restrictionType

#### Attribute RestrictedArea\_restrictionType / @code

Namespace	No namespace	
Type	RestrictedArea_restrictionCode	
Properties	use:	required
Facets	enumeration	1 An area within which anchoring is not permitted.

enumeration	2	A specified area designated by appropriate authority, within which anchoring is restricted in accordance with certain specified conditions.
enumeration	3	An area within which fishing is not permitted.
enumeration	4	A specified area designated by appropriate authority, within which fishing is restricted in accordance with certain specified conditions.
enumeration	5	An area within which trawling is not permitted.
enumeration	6	A specified area designated by appropriate authority, within which trawling is restricted in accordance with certain specified conditions.
enumeration	7	An area within which navigation and/or anchoring is prohibited.
enumeration	8	A specified area designated by appropriate authority, within which navigation is restricted in accordance with certain specified conditions.
enumeration	9	An area within which dredging is not permitted.
enumeration	10	A specified area designated by appropriate authority, within which dredging is restricted in accordance with certain specified conditions.
enumeration	11	An area within which diving is not permitted.
enumeration	12	A specified area designated by appropriate authority, within which diving is restricted in accordance with certain specified conditions.
enumeration	13	Mariners must adjust the speed of their vessels to reduce the wave or wash which may cause erosion or disturb moored vessels.
enumeration	14	An IMO declared routeing measure comprising an area within defined limits in which either navigation is particularly hazardous or it is exceptionally important to avoid casualties and which should be avoided by all ships, or certain classes of ships.
enumeration	15	The erection of permanent or temporary fixed structures or artificial islands is prohibited.
enumeration	16	An area within which discharging or dumping is prohibited.
enumeration	17	A specified area designated by an appropriate authority, within which discharging or dumping is restricted in accordance with specified conditions.
enumeration	18	An area within which industrial or mineral exploration and development are prohibited.
enumeration	19	A specified area designated by an appropriate authority, within which industrial or mineral exploration and development is restricted in accordance with certain specified conditions.
enumeration	20	An area within which excavating a hole on the sea-bottom with a drill is prohibited.
enumeration	21	A specified area designated by an appropriate authority, within which excavating a hole on the sea-bottom with a drill is restricted in accordance with certain specified conditions.
enumeration	22	An area within which the removal of historical artefacts is prohibited.
enumeration	23	An area in which cargo transhipment (lightening) is prohibited.
enumeration	24	An area in which the dragging of anything along the bottom, e.g. bottom trawling, is prohibited.
enumeration	25	An area in which a vessel is prohibited from stopping.
enumeration	26	An area in which landing is prohibited.
enumeration	27	An area within which speed is restricted.
enumeration	38	The use of anchoring spuds (telescopic piles) is prohibited.
enumeration	39	An area in which swimming is prohibited.

	enumeration	40	An area within which the emission of SOx is restricted.
	enumeration	41	An area within which the emission of NOx is restricted.
	enumeration	42	An area within which any vessel propelled by machinery is prohibited.
Used by	Complex Type	RestrictedArea_restrictionType	

#### Attribute sourceTypeType / @code

Namespace	No namespace		
Type	sourceTypeCode		
Properties	use: required		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	7	Reported by mariner(s) and confirmed by another source.
	enumeration	8	Reported by mariner(s) but not confirmed.
	enumeration	9	Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceTypeType	

#### Attribute sourceIndication\_sourceTypeType / @code

Namespace	No namespace		
Type	sourceIndication_sourceTypeCode		
Properties	use: required		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	7	Reported by mariner(s) and confirmed by another source.
	enumeration	8	Reported by mariner(s) but not confirmed.
	enumeration	9	Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceIndication_sourceTypeType	

### Attribute **statusType** / @code

Namespace	No namespace		
Type	statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	3	Presented as worthy of confidence, acceptance, use, etc.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	7	Meant to last only for a time.
	enumeration	9	Compulsory; enforced.
	enumeration	13	Famous in history; of historical interest.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	18	A feature that has been reported but has not been definitely determined to exist.
	enumeration	28	Marked by buoys.
Used by	Complex Type	statusType	

### Attribute **MarineProtectedArea\_statusType** / @code

Namespace	No namespace		
Type	MarineProtectedArea_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	3	Presented as worthy of confidence, acceptance, use, etc.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	7	Meant to last only for a time.
	enumeration	9	Compulsory; enforced.
	enumeration	18	A feature that has been reported but has not been definitely determined to exist.
	enumeration	28	Marked by buoys.
	enumeration	13	Famous in history; of historical interest.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
Used by	Complex Type	MarineProtectedArea_statusType	

### Attribute **RestrictedArea\_statusType** / @code

Namespace	No namespace	
Type	RestrictedArea_statusCode	
Properties	use: required	

Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	3	Presented as worthy of confidence, acceptance, use, etc.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	7	Meant to last only for a time.
	enumeration	9	Compulsory; enforced.
	enumeration	18	A feature that has been reported but has not been definitely determined to exist.
	enumeration	28	Marked by buoys.
	enumeration	13	Famous in history; of historical interest.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	Used by	Complex Type	RestrictedArea_statusType

#### Attribute telecommunicationServiceType / @code

Namespace	No namespace		
Type	telecommunicationServiceCode		
Properties	use: required		
Facets	enumeration	1	The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2	A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	3	Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	4	A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5	Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6	A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7	An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8	Messages and other data exchanged between individuals using computers in a network.
	Used by	Complex Type	telecommunicationServiceType

#### Attribute telecommunications\_telecommunicationServiceType / @code

Namespace	No namespace		
Type	telecommunications_telecommunicationServiceCode		
Properties	use: required		
Facets	enumeration	1	The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2	A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.

	enumeration	3	Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	4	A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5	Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6	A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7	An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8	Messages and other data exchanged between individuals using computers in a network.
Used by	Complex Type	telecommunications_telecommunicationServiceType	

#### Attribute **textTypeType / @code**

Namespace	No namespace		
Type	textTypeCode		
Properties	use:	required	
Facets	enumeration	1	The individual name of a feature.
Used by	Complex Type	textTypeType	

#### Attribute **TextPlacement\_textTypeType / @code**

Namespace	No namespace		
Type	TextPlacement_textTypeCode		
Properties	use:	required	
Facets	enumeration	1	The individual name of a feature.
Used by	Complex Type	TextPlacement_textTypeType	

#### Attribute **vesselsCharacteristicsType / @code**

Namespace	No namespace		
Type	vesselsCharacteristicsCode		
Properties	use:	required	
Facets	enumeration	1	The maximum length of the ship.
	enumeration	2	The ship's length measured at the waterline.
	enumeration	3	The width or beam of the vessel.
	enumeration	4	The depth of water necessary to float a vessel fully loaded.
	enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.
	enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.

enumeration	8	The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
enumeration	9	The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
enumeration	10	The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces with are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsType

#### Attribute **vesselMeasurementsSpecification\_vesselsCharacteristicsType / @code**

Namespace	No namespace		
Type	vesselMeasurementsSpecification_vesselsCharacteristicsCode		
Properties	use: required		
Facets	enumeration	1	The maximum length of the ship.
	enumeration	2	The ship's length measured at the waterline.
	enumeration	3	The width or beam of the vessel.
	enumeration	4	The depth of water necessary to float a vessel fully loaded.
	enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.
	enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.
	enumeration	8	The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
	enumeration	9	The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
	enumeration	10	The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces with are exempted such

		as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsType

#### Attribute vesselsCharacteristicsUnitType / @code

Namespace	No namespace		
Type	vesselsCharacteristicsUnitCode		
Properties	use: required		
Facets	enumeration	1	The basic unit of length in the International System of Units (SI) system.
	enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.
	enumeration	4	Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).
	enumeration	5	A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and

		short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).
enumeration	6	Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London-Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a function of the moulded volume of all enclosed spaces of the ship.
enumeration	7	Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.
enumeration	9	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsUnitType

#### Attribute `vesselMeasurementsSpecification_vesselsCharacteristicsUnitType` / @code

Namespace	No namespace		
Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode		
Properties	use: required		
Facets	enumeration	1	The basic unit of length in the International System of Units (SI) system.
	enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.
	enumeration	4	Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit

		prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).
enumeration	5	A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).
enumeration	6	Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London-Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a function of the moulded volume of all enclosed spaces of the ship.
enumeration	7	Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.
enumeration	9	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType

#### Attribute **actionOrActivityType** / @code

Namespace	No namespace		
Type	actionOrActivityCode		
Properties	use: optional		
Facets	enumeration	1	Carrying a qualified pilot as part of the vessel navigation team.
	enumeration	2	Navigating a vessel into a port.
	enumeration	3	Navigating a vessel out of a port.
	enumeration	4	A signal station for the control of vessels when berthing.
	enumeration	5	Detaching a vessel from a wharf or jetty.
	enumeration	6	Attaching a vessel to the seabed by means of an anchor and cable.
	enumeration	7	Detaching a vessel from the seabed by recovering an anchor and cable.
	enumeration	8	Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.

enumeration	9	Navigating a vessel past another traveling broadly in the same direction.
enumeration	10	Providing details such as the name, location or intentions of a vessel.
enumeration	11	Loading or unloading cargo.
enumeration	12	Placing crew or passengers on shore.
enumeration	13	A signal or message warning of diving activity.
enumeration	14	Hunting or catching fish.
enumeration	15	Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.
enumeration	16	Navigating a vessel past another travelling broadly in the opposite direction.
enumeration	17	Discharge and uptake of ballast water.
enumeration	18	The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).
enumeration	19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.
enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
Used by	Complex Type	actionOrActivityType

#### Attribute **actionOrActivityType / @codelistType**

Namespace	No namespace		
Type	codelistTypeType		
Properties	fixed: openEnumeration		
Facets	enumeration	openEnumeration	Open enumeration
	enumeration	openDictionary	Open dictionary
	enumeration	closedDictionary	Closed Dictionary
Used by	Complex Type	actionOrActivityType	

#### Attribute **actionOrActivityType / @otherValue**

Namespace	No namespace
Annotations	Only if an "extra" value is encoded
Type	extraValueType

Properties	content:	simple
Facets	pattern	[a-zA-Z0-9]+( [a-zA-Z0-9]+)*
Used by	Complex Type	InformationArea_actionOrActivityType

#### Attribute InformationArea\_actionOrActivityType / @code

Namespace	No namespace
Type	InformationArea_actionOrActivityCode
Properties	use: optional
Facets	enumeration 17 Discharge and uptake of ballast water.
Used by	Complex Type InformationArea_actionOrActivityType

#### Attribute rxNCode\_actionOrActivityType / @code

Namespace	No namespace																																						
Type	rxNCode_actionOrActivityCode																																						
Properties	use: required																																						
Facets	<table> <tr> <td>enumeration 1</td> <td>Carrying a qualified pilot as part of the vessel navigation team.</td> </tr> <tr> <td>enumeration 2</td> <td>Navigating a vessel into a port.</td> </tr> <tr> <td>enumeration 3</td> <td>Navigating a vessel out of a port.</td> </tr> <tr> <td>enumeration 4</td> <td>A signal station for the control of vessels when berthing.</td> </tr> <tr> <td>enumeration 5</td> <td>Detaching a vessel from a wharf or jetty.</td> </tr> <tr> <td>enumeration 6</td> <td>Attaching a vessel to the seabed by means of an anchor and cable.</td> </tr> <tr> <td>enumeration 7</td> <td>Detaching a vessel from the seabed by recovering an anchor and cable.</td> </tr> <tr> <td>enumeration 8</td> <td>Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.</td> </tr> <tr> <td>enumeration 9</td> <td>Navigating a vessel past another traveling broadly in the same direction.</td> </tr> <tr> <td>enumeration 10</td> <td>Providing details such as the name, location or intentions of a vessel.</td> </tr> <tr> <td>enumeration 11</td> <td>Loading or unloading cargo.</td> </tr> <tr> <td>enumeration 12</td> <td>Placing crew or passengers on shore.</td> </tr> <tr> <td>enumeration 13</td> <td>A signal or message warning of diving activity.</td> </tr> <tr> <td>enumeration 14</td> <td>Hunting or catching fish.</td> </tr> <tr> <td>enumeration 15</td> <td>Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.</td> </tr> <tr> <td>enumeration 16</td> <td>Navigating a vessel past another travelling broadly in the opposite direction.</td> </tr> <tr> <td>enumeration 17</td> <td>Discharge and uptake of ballast water.</td> </tr> <tr> <td>enumeration 18</td> <td>The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).</td> </tr> <tr> <td>enumeration 19</td> <td>The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological</td> </tr> </table>	enumeration 1	Carrying a qualified pilot as part of the vessel navigation team.	enumeration 2	Navigating a vessel into a port.	enumeration 3	Navigating a vessel out of a port.	enumeration 4	A signal station for the control of vessels when berthing.	enumeration 5	Detaching a vessel from a wharf or jetty.	enumeration 6	Attaching a vessel to the seabed by means of an anchor and cable.	enumeration 7	Detaching a vessel from the seabed by recovering an anchor and cable.	enumeration 8	Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.	enumeration 9	Navigating a vessel past another traveling broadly in the same direction.	enumeration 10	Providing details such as the name, location or intentions of a vessel.	enumeration 11	Loading or unloading cargo.	enumeration 12	Placing crew or passengers on shore.	enumeration 13	A signal or message warning of diving activity.	enumeration 14	Hunting or catching fish.	enumeration 15	Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.	enumeration 16	Navigating a vessel past another travelling broadly in the opposite direction.	enumeration 17	Discharge and uptake of ballast water.	enumeration 18	The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).	enumeration 19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological
enumeration 1	Carrying a qualified pilot as part of the vessel navigation team.																																						
enumeration 2	Navigating a vessel into a port.																																						
enumeration 3	Navigating a vessel out of a port.																																						
enumeration 4	A signal station for the control of vessels when berthing.																																						
enumeration 5	Detaching a vessel from a wharf or jetty.																																						
enumeration 6	Attaching a vessel to the seabed by means of an anchor and cable.																																						
enumeration 7	Detaching a vessel from the seabed by recovering an anchor and cable.																																						
enumeration 8	Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.																																						
enumeration 9	Navigating a vessel past another traveling broadly in the same direction.																																						
enumeration 10	Providing details such as the name, location or intentions of a vessel.																																						
enumeration 11	Loading or unloading cargo.																																						
enumeration 12	Placing crew or passengers on shore.																																						
enumeration 13	A signal or message warning of diving activity.																																						
enumeration 14	Hunting or catching fish.																																						
enumeration 15	Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.																																						
enumeration 16	Navigating a vessel past another travelling broadly in the opposite direction.																																						
enumeration 17	Discharge and uptake of ballast water.																																						
enumeration 18	The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).																																						
enumeration 19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological																																						

		or geological samples, or in-water survey operations.
enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
Used by	Complex Type	rxNCode_actionOrActivityType

#### Attribute categoryOfMarineProtectedAreaType / @code

Namespace	No namespace		
Type	categoryOfMarineProtectedAreaCode		
Properties	use: optional		
Facets	enumeration	1	Strict Nature Reserve: Protected area managed mainly for science.
	enumeration	2	Wilderness Area: Protected area managed mainly for wilderness protection.
	enumeration	3	National Park: Protected area managed mainly for ecosystem protection and recreation.
	enumeration	4	Natural Monument: Protected area managed mainly for conservation of specific natural features.
	enumeration	5	Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.
	enumeration	6	Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.
	enumeration	7	Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.
Used by	Complex Type	categoryOfMarineProtectedAreaType	

#### Attribute categoryOfMarineProtectedAreaType / @codelistType

Namespace	No namespace		
Type	codelistTypeType		
Properties	fixed: openEnumeration		
Facets	enumeration	openEnumeration	Open enumeration
	enumeration	openDictionary	Open dictionary
	enumeration	closedDictionary	Closed Dictionary
Used by	Complex Type	categoryOfMarineProtectedAreaType	

#### Attribute categoryOfMarineProtectedAreaType / @otherValue

Namespace	No namespace		
Annotations	Only if an "extra" value is encoded		
Type	extraValueType		
Properties	content: simple		

Facets	pattern	[a-zA-Z0-9]+( [a-zA-Z0-9]+)*
Used by	Complex Type	categoryOfMarineProtectedAreaType

#### Attribute MarineProtectedArea\_categoryOfMarineProtectedAreaType / @code

Namespace	No namespace	
Type	MarineProtectedArea_categoryOfMarineProtectedAreaCode	
Properties	use: optional	
Facets	enumeration	1 Strict Nature Reserve: Protected area managed mainly for science.
	enumeration	2 Wilderness Area: Protected area managed mainly for wilderness protection.
	enumeration	3 National Park: Protected area managed mainly for ecosystem protection and recreation.
	enumeration	4 Natural Monument: Protected area managed mainly for conservation of specific natural features.
	enumeration	5 Habitat/Species Management Area: Protected area managed mainly for conservation through management intervention.
	enumeration	6 Protected Landscape/Seascape: Protected area managed mainly for landscape/seascape conservation and recreation.
	enumeration	7 Managed Resource Protected Area: Protected area managed mainly for the sustainable use of natural ecosystems.
Used by	Complex Type	MarineProtectedArea_categoryOfMarineProtectedAreaType

#### Attribute categoryOfRxNType / @code

Namespace	No namespace	
Type	categoryOfRxNCode	
Properties	use: optional	
Facets	enumeration	1 The process of directing the movement of a craft from one point to another.
	enumeration	2 Transmitting and/or receiving electronic communication signals.
	enumeration	3 Pertaining to environmental protection.
	enumeration	4 Pertaining to wildlife protection.
	enumeration	5 Pertaining to security.
	enumeration	6 The agency or establishment for collecting duties, tolls.
	enumeration	7 Pertaining to cargo operations.
	enumeration	8 Pertaining to a place of safety or refuge.
	enumeration	9 The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	10 Pertaining to natural resources or exploitation.
	enumeration	11 Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	12 An authority with responsibility for the control and movement of money.
	enumeration	13 The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Complex Type	categoryOfRxNType

### **Attribute categoryOfRxNType / @codelistType**

Namespace	No namespace		
Type	codelistTypeType		
Properties	fixed: openEnumeration		
Facets	enumeration	openEnumeration	Open enumeration
	enumeration	openDictionary	Open dictionary
	enumeration	closedDictionary	Closed Dictionary
Used by	Complex Type	categoryOfRxNType	

### **Attribute categoryOfRxNType / @otherValue**

Namespace	No namespace		
Annotations	Only if an "extra" value is encoded		
Type	extraValueType		
Properties	content: simple		
Facets	pattern	[ a-zA-Z0-9 ]+([ a-zA-Z0-9 ]+)*	
Used by	Complex Type	categoryOfRxNType	

### **Attribute rxNCode\_categoryOfRxNType / @code**

Namespace	No namespace		
Type	rxNCode_categoryOfRxNCode		
Properties	use: required		
Facets	enumeration	1	The process of directing the movement of a craft from one point to another.
	enumeration	2	Transmitting and/or receiving electronic communication signals.
	enumeration	3	Pertaining to environmental protection.
	enumeration	4	Pertaining to wildlife protection.
	enumeration	5	Pertaining to security.
	enumeration	6	The agency or establishment for collecting duties, tolls.
	enumeration	7	Pertaining to cargo operations.
	enumeration	8	Pertaining to a place of safety or refuge.
	enumeration	9	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	10	Pertaining to natural resources or exploitation.
	enumeration	11	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	12	An authority with responsibility for the control and movement of money.
	enumeration	13	The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Complex Type	rxNCode_categoryOfRxNType	

### **Attribute categoryOfVesselType / @code**

Namespace	No namespace
-----------	--------------

Type	categoryOfVesselCode	
Properties	use:	optional
Facets	enumeration	1 A vessel which is designed for carrying general cargo, e.g. boxes, sacks.
	enumeration	2 A vessel designed to carry ISO containers.
	enumeration	3 A vessel which is designed for carrying liquid goods, for example oil or water.
	enumeration	4 A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.
	enumeration	5 A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.
	enumeration	6 A vessel designed to allow road vehicles to be driven on and off; often a ferry.
	enumeration	7 A vessel designed to carry refrigerated cargo.
	enumeration	8 A vessel that is used and equipped for the fishing of living aquatic resources.
	enumeration	9 A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.
	enumeration	10 A vessel designed for the conduct of military operations.
	enumeration	11 Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.
	enumeration	12 A combination of tug(s) and non-powered tow(s).
	enumeration	13 A pleasure boat or watercraft, or an excursion vessel used for short cruises such as whale watching.
	enumeration	14 An installation which is designed to float at all times and which is normally anchored in position when deployed in the offshore gas and oil industry.
	enumeration	15 An exploration or project installation with legs which can be raised and lowered. The legs are raised when the installation is re-positioned. When stationary the legs are lowered to the sea floor and the working platform is raised clear of the sea surface.
	enumeration	16 A vessel designed to carry large quantities of live animals.
	enumeration	17 A vessel used in fishing for pleasure or competition.
Used by	Complex Type	categoryOfVesselType

#### Attribute categoryOfVesselType / @codelistType

Namespace	No namespace	
Type	codelistTypeType	
Properties	fixed: openEnumeration	
Facets	enumeration	openEnumeration Open enumeration
	enumeration	openDictionary Open dictionary
	enumeration	closedDictionary Closed Dictionary
Used by	Complex Type	categoryOfVesselType

#### Attribute categoryOfVesselType / @otherValue

Namespace	No namespace	
Annotations	Only if an "extra" value is encoded	
Type	extraValueType	
Properties	content:	simple

Facets	pattern	[a-zA-Z0-9]+( [a-zA-Z0-9 ]+)*
Used by	Complex Type	categoryOfVesselType

### Attribute **Applicability\_categoryOfVesselType / @code**

Namespace	No namespace		
Type	Applicability_categoryOfVesselCode		
Properties	use: optional		
Facets	enumeration	1	A vessel which is designed for carrying general cargo, e.g. boxes, sacks.
	enumeration	2	A vessel designed to carry ISO containers.
	enumeration	3	A vessel which is designed for carrying liquid goods, for example oil or water.
	enumeration	4	A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.
	enumeration	5	A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.
	enumeration	6	A vessel designed to allow road vehicles to be driven on and off; often a ferry.
	enumeration	7	A vessel designed to carry refrigerated cargo.
	enumeration	8	A vessel that is used and equipped for the fishing of living aquatic resources.
	enumeration	9	A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.
	enumeration	10	A vessel designed for the conduct of military operations.
	enumeration	11	Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.
	enumeration	12	A combination of tug(s) and non-powered tow(s).
	enumeration	13	A pleasure boat or watercraft, or an excursion vessel used for short cruises such as whale watching.
	enumeration	14	An installation which is designed to float at all times and which is normally anchored in position when deployed in the offshore gas and oil industry.
	enumeration	15	An exploration or project installation with legs which can be raised and lowered. The legs are raised when the installation is re-positioned. When stationary the legs are lowered to the sea floor and the working platform is raised clear of the sea surface.
	enumeration	16	A vessel designed to carry large quantities of live animals.
	enumeration	17	A vessel used in fishing for pleasure or competition.
Used by	Complex Type	Applicability_categoryOfVesselType	